Frontier North Inc.

GENERAL EXCHANGE CATALOG

FOR TELEPHONE SERVICE

IN ALL FRONTIER NORTH EXCHANGES

General Exchange Catalog

EXPLANATION OF SYMBOLS

C - To signify changed regulation
D - To signify discontinued rate or regulation
I - To signify increase
N - To signify new rate or regulation
R - To signify reduction
T - To signify a change in text but no change in rate or regulation
S - To signify reissued material transferred from elsewhere in the tariff

General Exchange Catalog

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[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement.

LOCAL EXCHANGE SERVICE

1. APPLICATIONS FOR SERVICE

.1 Applications for telephone service may be made orally at the business office of the Company unless specifically required in writing by another section of this Catalog. Such applications are subject to applicable catalog rules and regulations and become contractual upon establishment of the requested service by the Company.

.2 Local Exchange Service is the furnishing of facilities necessary for communicating within specified exchange areas. This Catalog specifies rate schedules applicable to classes of local exchange service offered.

.2.1 Two types of service are offered as follows:

a. Local Exchange Service, which provides flat rate calling within a specified area where untimed calls are permitted without application of a message toll charge. This service is available only for authorized deaf accounts and Coin Line Telephone Service customers.

b. Usage Sensitive Service which provides unrestricted calling within a local calling area subject to application of network access rates in addition to usage rates which encompass the frequency and duration of calls modified according to the distance and time-of-occurrence of the call.

.2.2 The terms "Local Exchange Service" and "Usage Sensitive Service" may be used interchangeably throughout this Catalog.

2. CONDITIONS

.1 Availability of Service

.1.1 The following classes of Flat-Rate Local Exchange Service are provided (where technically feasible) in all exchanges to customers as set forth in paragraph .2.1a. above: (T)

a. Residence One-Party Service
b. Coin Line Telephone Service

LOCAL EXCHANGE SERVICE

2. CONDITIONS (Cont'd)

.1 Availability of Service (Cont'd)

.1.1 The following classes of Flat-Rate Local Exchange Service are provided (where technically feasible) in all exchanges to customers as set forth in paragraph .2.1a. above: (T)

a. Residence One-Party Service
b. Coin Line Telephone Service

.1.2 The following classes of Usage Sensitive Local Exchange Service are provided to customers in all exchanges:

a. Residence Service
b. Business Service
c. Customer Owned Coin Telephone Service

.2 Calls originated and completed without Company operator assistance are subject to charges as shown in this section of the catalog and billed to the originating customer. Local calls placed with Company operator assistance are subject to charges as shown in this Catalog.

.3 The rates for local calls from customer's premises to mobile stations are the same as those applicable between customer's premises.

.4 Usage is not transferable between separate accounts of the same customer.

.5 Extended Area Service usage rates apply to calls made to other exchanges within the customer's local calling area.

LOCAL EXCHANGE SERVICE

3. DETERMINATION OF RATES

.1 Local Exchange Service

.1.1 The Company's Local Exchange Service Rate Component Schedule appears in this Section and is composed of one rate group.

.2 Extended Area Service Component

.2.1 The Company's Extended Area Service Rate Component Schedule is in this Section indicating effective rate assignments.

.3 Usage Sensitive Service

.3.1 Access Line Rate - Each Line

a. Access Line Rates for exchange areas appear herein. These rates are used as follows to compute the appropriate Access Line Charge:

a.1 Access Line Charge = Access Line Rate X Quantity of Lines In-Service.

.3.2 Call Connection Rate - Each Completed Connection

a. Call Connection Rates for exchange areas, extended area service areas, and optional extended area service areas appear in this section. These rates are used as follows in order to compute the appropriate Call Connection Charge.

a.1 Call Connection Charge = Call Connection Rate X Quantity of Completed Connections.

b. Call Connection Rates do not apply to calls placed to the business office, directory assistance, or repair service.

LOCAL EXCHANGE SERVICE

3. DETERMINATION OF RATES (Cont'd)

.3 Usage Sensitive Service (Cont'd)

.3.3 Minutes of Use Rate - Each Minute

a. Minutes of Use Rates for exchange areas, extended area service areas, and optional extended service areas are shown in this section. These rates are used as follows to compute the Minutes of Use Charge:

a.1 Minutes of Use Charge = Minutes of Use Rate X Minutes of Use.

b. Minutes of Use rates do not apply to calls placed to the business office, directory assistance, or repair service

.4 Discount periods on Usage

.4.1 A 50% discount on Night Periods will be applied for calls placed between 9 p.m. and 8 a.m. A 50% discount will also be applied to all hours of Saturday and Sunday as well as the following holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

.4.2 The discount period for set up and first minute is determined by the time of connection as marked by the electronic billing equipment at the central office of the calling station.

.4.3 The discount period for each additional minute is determined by the rate period in which the beginning of each additional minute occurs.

.5 Printed Detail of Local Calls

.5.1 Itemized billing of local call detail for Usage Sensitive Service can be provided to customers upon request where such details are available and facilities permit, provided affected customers initiate such requests by giving the Company adequate advance notice to enable the Company to capture a full billing cycle of detail prior to the desired issuance of such information.

LOCAL EXCHANGE SERVICE

3. DETERMINATION OF RATES (Cont'd)

.5 Printed Detail of Local Calls (Cont'd)

.5.2 Upon customer request, one itemized billing of local call detail may be provided free of charge during a six-month period or if a good faith dispute exists as to the accuracy of the billing, provided adequate notice is given to the Company as described in Paragraph .1 above. This waiver of charges does not apply to customers contracting for local call detail on a routine monthly basis.

.5.3 Rates and Charges

a. The following charges apply for each billing period (minimum of one month) for which the service is furnished.

	Monthly Rate	Nonrecurring Charge
a. Monthly Itemized Billing, per account	$1.75	[1]
b. Each Page Printed (or Portion Thereof)	None	$0.10

[1] Record Work Only Order Charges are applicable to initiate customer requests for itemized billing detail.

LOCAL EXCHANGE SERVICE

4. RATES

.1 Local Exchange Service Flat Rate Schedule

.1.1 Monthly Rates [1]

a. The following rates apply in addition to all other rates and charges for associated service and equipment items:

Classes of Service	Residence Monthly Rates	
- One Party Service for Authorized Deaf Accounts - Class A Exchanges (Bloomington, Carbondale, DeKalb, Freeport, Jacksonville and Marion), per line	$25.00	(I)
- One Party Service for Authorized Deaf Accounts - Class B Exchanges (all other exchanges than listed above), per line	$25.00	(I)
- Coin Line Service - Class A Exchanges [2, 3]		

[1] Extended Area Service Rates apply in addition to the above monthly rates.

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.2 Local Exchange Usage Sensitive Service Rates - Business

.2.1 The following rates apply in addition to all other rates and charges for associated service and equipment items:

		Business Monthly Rate	
a.	Access Line Rate - Class A Exchanges (Bloomington, Carbondale, DeKalb, Freeport, Jacksonville and Marion), per line	$69.00	(I)
b.	COCOT Access Line Rate - Class A Exchanges (Bloomington, Carbondale, DeKalb, Freeport, Jacksonville and Marion), per line	34.20	(I)
c.	Access Line Rate - Class B Exchanges (all others than listed in a. above), per line	$69.00	(I)
d.	COCOT Access Line Rate - Class B Exchanges (all others than listed in b. above), per line	$41.50	(I)

e. Usage Rates

	Home Exchange	Extended Area Service Area
Business Class of Service (all exchanges)		
Call Connection Rates, Each Completed Connection	None	$0.0145
Minutes of Use, each Minute	$0.0093	$0.0180
Residence Class of Service – Option 1 (all exchanges)		
Call Connection Rates, Each Completed Connection	None	$0.0100
Minutes of Use, each Minute	None	$0.0180

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.2 Local Exchange Usage Sensitive Service Rates (Cont'd)

.2.1 The following rates apply in addition to all other rates and charges for associated service and equipment items: (Cont'd)

e. Usage Rates (Cont'd)

Residence Class of Service – Option 2 (all exchanges)

Residence customers may elect a flat rate option for calls placed to extended area service areas. These calls will be rated at $ 0.11 [1] per call. There is no set-up charge. All calls to the extended area service areas will be billed under either Option 1 or Option 2 rates. The customer must choose only one billing option per line. Separate bills will be issued for multiline residential customers who choose different options. All calls placed within the home exchange will be rated under Option 1. Service Charges are not applicable to customers who change to/from-billing options.

[1] Calls placed during Discount Periods are subject to rates as specified within this Catalog.

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications

.3.1 The Extended Area Service Charges (EASCs) shown in paragraph .3.2 following are for EAS services established prior to November 1, 1994 and are applicable only to Flat-Rate Local Exchange Service customers, i.e., Coin Line Telephone Service (where technically feasible) and authorized deaf accounts. (T)

.3.2 Rate Schedule

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Albers	None	Addieville, Aviston, Bartelso, Beckemeyer, Breese, Carlyle, Fayetteville, Germantown, Highland, Lebanon, Mascoutah, New Baden, New Minden, Okawville, St. Jacob, St. Libory, Summerfield, Trenton, Venedy
Albion	None	Bellmont, Browns, Burnt Prairie, Crossville, Grayville, Mount Erie, Parkersburg, West Salem
Alexander	$4.65	Jacksonville, Franklin, Literberry, Murrayville, Woodson
Allendale	$4.65	Mount Carmel, Bellmont, Bridgeport, Lawrenceville, St. Francisville, Westport
Alvin	$4.65	Bismarck, Danville, Henning, Rossville Armstrong, Cheneyville, Collison, East Lynn, Hoopeston, Potomac
Amboy	$4.65	Franklin Grove, Sublette, Ashton, Dixon, Grand Detour, Harmon, Nelson

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Anna	$4.65	Cobden, Cypress, Dongola, Ullin
Annapolis	None	Hutsonville, Oblong, Palestine, Robinson
Apple River (594)	$4.65	Warren, Elizabeth, Scales Mound, Stockton
(Apple Canyon - 492)	$4.65	Warren, Elizabeth, Scales Mound, Stockton
Argenta	$4.65	Cisco, Decatur, Oreana, Cerro Gordo, DeLand, La Place, Maroa, Mount Zion, Warrensburg
Arrowsmith	$4.65	Saybrook, Bellflower, Colfax, Cooksville, Cropsey, Downs, Ellsworth, Farmer City, Le Roy, Lexington
Ashkum	$4.65	Clifton, Chebanse, Crescent City, Danforth, Gilman, Herscher, Martinton, Onarga, Stelle, Watseka
Ashton	$4.65	Franklin Grove, Amboy, Creston, Dixon, Grand Detour, Oregon, Rochelle, Steward, Sublette
Astoria	$4.65	Summum, Adair, Industry, Littleton, Vermont
Atlanta	$4.65	McLean, Minier, Beason, Emden, Hartsburg, Heyworth, Kenney, Lincoln, Stanford, Waynesville

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Auburn	None	Chatham, Divernon, Girard, Loami, Modesto, New Berlin, Pawnee, Springfield, Virden, Waverly
Ava	$4.65	Percy, Elkville, Glenn, Murphysboro, Pinckneyville, Steeleville
Barry	$4.65	Baylis, Hull, New Canton, Pittsfield Fishhook, Liberty, Payson, Rockport
Baylis	$4.65	Barry, Fishhook, Griggsville, Liberty, Pittsfield, Chambersburg, Hull, New Canton, Perry, Rockport
Beaverville	$4.65	Donovan, Martinton, Chebanse, Clifton, Momence, Sheldon, St. Anne, Wateska
Bellflower	$4.65	Saybrook, Arrowsmith, Ellsworth, Farmer City, Le Roy
Bellmont	$4.65	Browns, Mount Carmel Albion, Allendale, Grayville, West Salem
Belvidere	$4.65	Capron, Cherry Valley, Garden Prairie, Poplar Grove, Rock Cut, Rockford New Milford, Roscoe

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Bement	$4.65	Monticello, Ivesdale, Sadorus, Seymour
Benson	$4.65	Roanoke, Eureka, La Rose, Low Point, Metamora, Minonk, Secor, Varna, Washburn
Benton	$4.65	Christopher, Ewing, Sesser, Thompsonville, West Frankfort, Zeigler Johnston City, Royalton
Bethany	$4.65	Dalton City, Sullivan, Hammond, La Place, Lovington, Macon, Mount Zion, Moweaqua
Birds	None	Bridgeport, Chauncey, Flat Rock, Hardinville, Lawrenceville, Palestine, Robinson, Sumner, Westport
Bismarck	$4.65	Alvin, Danville, Henning, Rossville Armstrong, Catlin, Cheneyville, Collison, Hoopeston, Oakwood, Potomac
Bloomington	None	Carlock, Cooksville, Danvers, Downs, Ellsworth, Heyworth, Hudson, McLean, Stanford, Towanda
Bluffs	None	Arenzville, Chambersburg, Chapin, Concord, Griggsville, Meredosia, Milton, Perry, Versailles, Winchester

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Bradford	None	Buda, Camp Grove, Castleton, Elmira, Kewanee, Neponset, Putnam, Sheffield, Tiskilwa, Toulon, Wyanet, Wyoming
Bridgeport	$4.65	Sumner Allendale, Birds, Chauncey, Claremont, Flat Rock, Hardinville, Lawrenceville, St. Francisville, Westport
Brimfield	$4.65	Elmwood, Peoria, Dunlap, Edelstein, Farmington, Hanna City, Princeville, Trivoli, Yates City
Broadlands	$4.65	Homer, Newman, Sidell, Sidney Fairmount, Indianola, Ogden, Pesotum, Philo, St. Joseph, Tolono, Villa Grove
Brocton	None	Grandview, Metcalf, Paris, Redmon
Brookport	$4.65	Metropolis, Joppa
Buckley	$4.65	Loda, Melvin, Paxton, Rankin, Roberts, Thawville
Buda	$4.65	Neponset, Sheffield, Bradford, Castleton, Elmira, Kewanee, Manlius, Mineral, Princeton, Tiskilwa, Wyanet

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Bureau	$4.65	Hennepin, Princeton, Tiskilwa Dover, Henry, Ladd, Putnam, Spring Valley, Wyanet
Burnt Prairie	$4.65	Fairfield, Albion, Blairsville, Carmi, Crossville, Enfield, Grayville
Bushnell	$4.65	Prairie City, Adair, Avon, Bardolph, Good Hope, Macomb, Roseville, Swan Creek
Byron	$4.65	Rockford, Stillman Valley, German Valley, New Milford, Pecatonica, Seward, Winnebago
Cabery	$4.65	Kempton, Campus, Cullom, Emington, Reddick, Saunemin
Calhoun	None	Claremont, Dundas, Mount Erie, Noble, Olney, Parkersburg, Sumner, West Salem
Camp Grove	$4.65	Bradford, Edelstein, Wyoming Castleton, Chillicothe, Dunlap, Elmira, Henry, Lacon, Princeville, Putnam, Sparland, Toulon
Camp Point	$4.65	Clayton, Coatsburg, Columbus, Golden, Liberty, Quincy, Augusta, Burton, Fowler, Loraine, Mendon, Mindale
Campus	$4.65	Emington, Reddick, Cabery, Cullom, Kempton, Odell, Saunemin

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Capron	$4.65	Belvidere, Poplar Grove, Garden Prairie, Rock Cut, Roscoe
Carbondale	$4.65	De Soto, Murphysboro, Carterville, Cobden, Elkville, Herrin, Hurst, Royalton
Carlock	$4.65	Bloomington, Danvers, El Paso, Hudson, Minier, Stanford, Towanda
Carmi	$4.65	Enfield, Maunie, New Haven Burnt Prairie, Crossville, Grayville, Norris City
Carrier Mills	$4.65	Harrisburg, Stonefort Creal Springs, Eddyville, Eldorado, Paulton & Crab Orchard, Raleigh-Galatia
Carrollton	$4.65	Eldred, Greenfield, Hillview, Patterson, Roodhouse, White Hall
Carterville	$4.65	Herrin, Hurst, Johnston City, Marion, Royalton, Carbondale, Christopher, De Soto, Elkville, Murphysboro, Paulton & Crab Orchard, West Frankfort, Zeigler
Castleton	$4.65	Bradford, Wyoming, Buda, Camp Grove, Edelstein, Elmira, Kewanee, Neponset, Princeville, Toulon

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Cedar Point	$4.65	LaSalle, Oglesby, Depue, Granville, McNabb, Tonica, Utica
Cedarville	$4.65	Freeport, Dakota, Davis, German Valley, Lena, McConnell, Orangeville, Pearl City, Pecatonica, Winslow
Cerro Gordo	None	Argenta, Cisco, Dalton City, Decatur, Elwin, Hammond, La Place, Lovington, Mount Zion, Oreana
Chapin	$4.65	Jacksonville, Arenzville, Bluffs, Chambersburg, Concord, Literberry, Meredosia, Murrayville, Winchester, Woodson
Chatsworth	None	Cropsey, Cullom, Fairbury, Forrest, Kempton, Piper City, Saunemin, Strawn
Chauncey	$4.65	Bridgeport, Sumner, Birds, Claremont, Dundas, Flat Rock, Hardinville, Lawrenceville, Oblong, Olney, Robinson, Willow Hill
Chebanse	$4.65	Clifton, Ashkum, Beaverville, Danforth, Herscher, Kankakee, Martinton, St. Anne, Stelle

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Chenoa	None	Colfax, Cooksville, Fairbury, Flanagan, Graymont, Gridley, Lexington, Pontiac
Cherry Valley	$4.65	Belvidere, New Milford, Rockford Garden Prairie, Poplar Grove, Rock Cut, Roscoe, Stillman Valley
Chester	None	Blair, Ellis Grove, Evansville, Percy, Steeleville
Chillicothe	$4.65	Mossville, Camp Grove, Dunlap, Edelstein, Germantown Hills, La Rose, Lacon, Low Point, Metamora, Princeville, Sparland, Spring Bay, Washburn
Chrisman	$4.65	Metcalf, Paris, Redmon
Christopher	$4.65	Benton, Sesser, West Frankfort, Zeigler Carterville, De Soto, Du Quoin, Elkville, Ewing, Herrin, Hurst, Johnston City, Royalton,
Cisco	$4.65	Argenta, Monticello, Oreana Cerro Gordo, DeLand, La Place, Maroa
Claremont	$4.65	Olney, Bridgeport, Calhoun, Chauncey, Dundas, Hardinville, Noble, Parkersburg, Sumner, West Salem

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Clay City	$4.65	Sailor Springs, Bible Grove, Cisne, Flora, Louisville, Mount Erie, Noble, Olney, Wendelin
Clayton	$4.65	Camp Point, Fishhook, Golden, Liberty, Mindale, Mount Sterling, Quincy Augusta, Coatsburg, Columbus, Hersman
Clifton	$4.65	Ashkum, Chebanse, Beaverville, Crescent City, Danforth, Gilman, Herscher, Kankakee, Martinton, St. Anne, Stelle
Clinton	None	Beason, Heyworth, Kenney, Waynesville, Weldon
Cobden	$4.65	Anna, Carbondale, Dongola
Colfax	None	Arrowsmith, Chenoa, Cooksville, Cropsey, Ellsworth, Fairbury, Lexington, Saybrook, Strawn, Towanda
Compton	$4.65	Mendota, Paw Paw, West Brooklyn
Coulterville	$4.65	Sparta, Baldwin, Blair, Marissa, Percy, Pinckneyville, Steeleville, Tilden
Creal Springs	$4.65	Marion, Stonefort, Carrier Mills, Goreville, Johnston City, Paulton & Crab Orchard, Simpson, Vienna

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Creston	None	Ashton, DeKalb, Kirkland, Malta, Monroe Center, Rochelle, Shabbona, Steward, Sycamore, Waterman
Cropsey	$4.65	Fairbury, Strawn, Arrowsmith, Chatsworth, Colfax, Cooksville, Forrest, Saybrook
Cuba	None	Canton, Ellisville, Fairview (Fulton), Fiatt, Ipava, Lewistown, Marietta, Smithfield, Table Grove
Cypress	$4.65	Dongola, Karnak, Vienna Anna, Goreville, Joppa, Ullin
Dakota	$4.65	Freeport, Cedarville, Davis, Durand, German Valley, McConnell, Orangeville, Pecatonica, Seward
Dalton City	$4.65	Bethany, Mount Zion, Cerro Gordo, Decatur, Elwin, Hammond, La Place, Lovington, Macon, Moweaqua, Sullivan
Davis, Rock City, & Rock Grove	$4.65	Durand, Pecatonica, Cedarville, Dakota, Freeport, German Valley, Orangeville, Seward, Shirland, Winnebago

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
DeKalb	$4.65	Sycamore, Creston, Genoa, Hinckley, Kirkland, Malta, Maple Park, Shabbona, Waterman
DeLand	$4.65	Monticello, Argenta, Cisco
De Soto	$4.65	Carbondale, Murphysboro, Carterville, Christopher, Du Quoin, Elkville, Herrin, Hurst, Royalton, Zeigler
Divernon	None	Auburn, Chatham, Girard, Loami, Pawnee, Rochester, Springfield, Virden
Dongola	$4.65	Cypress, Ullin, Anna, Cobden, Karnak, Tamms, Vienna, Villa Ridge
Donovan	$4.65	Beaverville, Martinton, Crescent City, Sheldon, St. Anne, Watseka, Woodland
Dover	$4.65	Princeton, Bureau, Hennepin, La Moille, Ladd, Manlius, Ohio, Spring Valley, Tiskilwa, Walnut, Wyanet
Downs	$4.65	Bloomington, Le Roy, Arrowsmith, Cooksville, Ellsworth, Heyworth, Towanda
Dundas	None	Calhoun, Chauncey, Claremont, Hardinville, Newton, Noble, Olney, Sumner, Wendelin, Willow Hill

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Dunlap	$4.65	Peoria, Princeville, Brimfield, Camp Grove, Chillicothe, Edelstein, Germantown Hills, Hanna City, Mossville, Spring Bay, Wyoming
Durand	None	Dakota, Davis, Pecatonica, Rockton, Seward, Shirland, Winnebago
Du Quoin	$4.65	Elkville, Pinckneyville, Tamaroa, Christopher, De Soto, Hurst, Royalton, Sesser, Zeigler
Earlville	$4.65	Leland, Mendota, Paw Paw, Harding, Sheridan, Somonauk
Edelstein	$4.65	Camp Grove, Peoria, Princeville, Brimfield, Castleton, Chillicothe, Dunlap, Germantown Hills, Lacon, Mossville, Sparland, Spring Bay, Wyoming
Eldorado.	$4.65	Harrisburg, Raleigh-Galatia, Carrier Mills, Equality, Leamington, Ridgway
Eldred	$4.65	Carrollton, Hillview, Patterson, Pearl, White Hall
Elizabeth	None	Apple River, Hanover, Massbach, Scales Mound, Stockton

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Elkhart	None	Lincoln, Middleton-New Holland
Elkville	$4.65	Du Quoin, Ava, Carbondale, Carterville, Christopher, De Soto, Herrin, Hurst, Murphysboro, Pinckneyville, Royalton, Zeigler
Elliott	$4.65	Gibson City, Fisher, Foosland, Loda, Ludlow, Melvin, Paxton, Rantoul, Roberts, Sibley
Ellis Grove	None	Baldwin, Blair, Chester, Evansville, Sparta, Steeleville
Ellsworth	$4.65	Bloomington, Cooksville, Arrowsmith, Bellflower, Colfax, Downs, Farmer City, Le Roy, Lexington, Saybrook, Towanda
Elmira	$4.65	Bradford, Kewanee, Toulon, Buda, Camp Grove, Castleton, Galva, Mineral, Neponset, Sheffield, Wyoming
Elmwood	$4.65	Brimfield, Yates City, Canton, Fairview (Fulton), Farmington, Hanna City, Trivoli
Elwin	$4.65	Decatur, Blue Mound, Cerro Gordo, Dalton City, Harristown, Illiopolis, La Place, Macon, Mount Auburn, Mount Zion, Moweaqua, Niantic, Oreana, Warrensburg

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Emington	$4.65	Campus, Odell, Cabery, Cullom, Kempton, Reddick, Saunemin
Enfield	$4.65	Carmi, Belle Prairie, Blairsville, Broughton, Burnt Prairie, Crossville, Dale, McLeansboro, Norris City, Omaha
Eureka	None	Benson, Congerville, Deer Creek, Germantown Hills, Goodfield, Low Point, Mackinaw, Metamora, Morton, Roanoke, Secor, Sunnyland, Washburn, Washington
Evansville	None	Baldwin, Blair, Chester, Ellis Grove, Marissa, Sparta
Ewing	$4.65	Benton, Christopher, Sesser, Thompsonville, West Frankfort
Fairbury	$4.65	Cropsey, Forrest, Strawn, Chatsworth, Chenoa, Colfax, Pontiac, Saunemin
Fairfield	$4.65	Burnt Prairie, Wayne City, Belle Prairie, Cisne, Crisp, Geff, Mount Erie
Farmer City	None	Arrowsmith, Bellflower, Ellsworth, Le Roy, Saybrook, Weldon

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Fayetteville	None	Albers, Belleville, Freeburg, Hecker, Mascoutah, New Athens, New Baden, Okawville, St. Libory, Summerfield, Venedy
Flora	None	Bible Grove, Cisne, Clay City, Louisville, Noble, Orchardville, Sailor Springs, Xenia
Forreston	$4.65	German Valley, Shannon, Freeport, Seward
Franklin	$4.65	Jacksonville, Waverly, Alexander, Murrayville, Woodson
Franklin Grove	None	Amboy, Ashton, Dixon, Grand Detour, Oregon, Rochelle, Steward, Sublette
Freeport	None	Cedarville, Dakota, Davis, Forreston, German Valley, Lena, McConnell, Orangeville, Pearl City, Pecatonica, Seward
Galva	None	Elmira, Kewanee, Toulon
Garden Prairie	$4.65	Belvidere, Capron, Cherry Valley, Poplar Grove, Rock Cut
Genoa - Kingston	None	DeKalb, Kirkland, Malta, Maple Park, Sycamore
German Valley	$4.65	Forreston, Seward, Byron, Cedarville, Dakota, Davis, Freeport, Pecatonica, Winnebago

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Girard	$4.65	Virden, Auburn, Divernon, Modesto, Palmyra, Pawnee, Waverly
Golconda	None	Eddyville, Elizabethtown, Hicks, Renshaw, Rosiclare
Goreville	$4.65	Marion, Vienna, Creal Springs, Cypress, Simpson, Stonefort
Grand Ridge	$4.65	Ottawa, Streator, Leonore, Lostant, Ransom
Granville & Mark	$4.65	Hennepin, Cedar Point, Depue, La Salle, McNabb, Oglesby, Tonica, Utica
Grayville	None	Albion, Bellmont, Browns, Burnt Prairie, Carmi, Crossville
Greenfield	None	Carrollton, Manchester, Roodhouse, White Hall
Griggsville	$4.65	Pittsfield, Baylis, Bluffs, Chambersburg, Fishhook, Meredosia, Milton, Perry, Versailles, Winchester
Groveland	$4.65	Morton, Peoria, Tremont, Deer Creek, Germantown Hills, Glasford, Goodfield, Green Valley, Hopedale, Mackinaw, North Pekin, Pekin, South Pekin, Sunnyland, Talbott, Washington

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Hammond	$4.65	Atwood, La Place, Bethany, Cerro Gordo, Dalton City, Lovington, Sullivan
Hanover	None	Elizabeth, Massbach
Hardinville	None	Birds, Bridgeport, Chauncey, Claremont, Dundas, Flat Rock, Oblong, Palestine, Robinson, Sumner, Willow Hill
Harrisburg	$4.65	Carrier Mills, Eldorado, Raleigh-Galatia, Stonefort, Equality, Leamington
Hebron	$4.65	Woodstock, Fox Lake, Harvard, McHenry, Pistakee Highlands, Richmond, Spring Grove, Wonder Lake
Hecker	$4.65	Belleville, Millstadt, Columbia, Fayetteville, Freeburg, New Athens, Red Bud, Renault, Waterloo, Westview
Hennepin	$4.65	Bureau, Granville, McNabb, Dover, Henry, Ladd, Princeton, Putnam, Spring Valley, Tiskilwa, Wyanet
Henning	$4.65	Alvin, Bismarck, Collison, Danville, Potomac, Rossville, Armstrong, Cheneyville, East Lynn, Hoopeston, Oakwood, Penfield

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Henry	None	Bureau, Camp Grove, Hennepin, La Rose, Lacon, Putnam, Sparland, Tiskilwa, Varna, Washburn
Herrin	$4.65	Carterville, Hurst, Johnston City, Marion, Royalton, Carbondale, Christopher, De Soto, Elkville, Paulton & Crab Orchard, West Frankfort, Zeigler
Heyworth	$4.65	Bloomington, Atlanta, Clinton, Downs, LeRoy, McLean, Waynesville
Highland	None	Albers, Alhambra, Aviston, Breese, Germantown, Grantfork, Hamel, Lebanon, Marine, New Baden, Pocahontas, St. Jacob, Summerfield, Trenton, Troy
Hillview	$4.65	Patterson, White Hall, Carrollton, Eldred, Manchester, Milton, Pearl, Roodhouse, Winchester
Hinckley	None	DeKalb, Maple Park, Shabbona, Waterman
Homer	$4.65	Broadlands, Champaign-Urbana, St. Joseph, Sidney, Catlin, Fairmount, Fithian, Flatville, Indianola, Oakwood, Ogden, Philo, Royal, Sidell

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Hopedale	None	Deer Creek, Delavan, Green Valley, Groveland, Mackinaw, Morton, San Jose, South Pekin, Tremont
Hudson	$4.65	Bloomington, Carlock, Cooksville, Danvers, El Paso, Gridley, Lexington, Towanda
Hull	$4.65	Barry, New Canton, Baylis, Burton, Liberty, Payson
Hurst	$4.65	Carterville, Herrin, Johnston City, Marion, Royalton, Carbondale, Christopher, De Soto, Du Quoin, Elkville, Murphysboro, West Frankfort, Zeigler
Hutsonville	None	Annapolis, Flat Rock, Oblong, Palestine, Robinson
Illiopolis	None	Blue Mound, Buffalo, Chestnut, Elwin, Harristown, Latham, Mount Auburn, Mount Pulaski, Niantic, Warrensburg
Jacksonville	$4.65	Alexander, Chapin, Franklin, Literberry, Murrayville, Woodson, Arenzville, Concord, Manchester, Winchester
Johnston City	$4.65	Carterville, Herrin, Hurst, Marion, Royalton Benton, Christopher, Creal Springs, Paulton & Crab Orchard, Thompsonville, West Frankfort, Zeigler

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Joppa	$4.65	Metropolis, Brookport, Cypress, Karnak, Vienna
Karnak	$4.65	Cypress, Vienna, Dongola, Joppa, Ullin
Kenney	None	Atlanta, Beason, Clinton, Lincoln, Waynesville
Kewanee	$4.65	Elmira, Neponset, Bradford, Buda, Castleton, Galva, Mineral, Sheffield, Toulon, Wyoming
Kirkland	None	Creston, DeKalb, Genoa, Malta, Monroe Center, Sycamore
Ladd	$4.65	Spring Valley Bureau, Dover, Hennepin, La Moille, Mendota, Princeton
La Moille	None	Dover, Ladd, Mendota, Ohio, Princeton, Spring Valley, West Brooklyn
La Place	$4.65	Cerro Gordo, Hammond Argenta, Bethany, Cisco, Dalton City, Decatur, Elwin, Lovington, Mount Zion, Oreana, Sullivan
La Rose	$4.65	Toluca, Varna, Washburn Benson, Chillicothe, Henry, Lacon, Low Point, Metamora, Minonk, Roanoke, Sparland

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Lawrenceville	None	Allendale, Birds, Bridgeport, Chauncey, Flat Rock, St. Francisville, Sumner, Westport
Leland	$4.65	Earlville, Sandwich, Somonauk Harding, Newark, Paw Paw, Plano, Sheridan
Lena	None	Cedarville, Freeport, McConnell, Orangeville, Pearl City, Stockton, Warren, Winslow
Le Roy	None	Arrowsmith, Bellflower, Cooksville, Downs, Ellsworth, Farmer City, Heyworth, Saybrook
Lexington	None	Arrowsmith, Chenoa, Colfax, Cooksville, El Paso, Ellsworth, Gridley, Hudson, Towanda
Lincoln	None	Atlanta, Beason, Elkhart, Emden, Hartsburg, Kenney, Middleton-New Holland, Waynesville
Literberry	$4.65	Jacksonville, Alexander, Arenzville, Chapin, Concord
Loami	None	Auburn, Chatham, Divernon, New Berlin, Pawnee, Pleasant Plains, Springfield, Virden, Waverly
Loda	$4.65	Buckley, Paxton, East Lynn, Elliott, Ludlow, Melvin, Rankin, Rantoul, Roberts, Thawville

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Long Point	$4.65	Rutland, Streator, Cornell, Flanagan, Graymont, Leonore, Lostant, Toluca, Wenona
Lostant	$4.65	Leonore, Tonica, Grand Ridge, Long Point, Magnolia, Rutland, Streator, Toluca, Wenona
Low Point	$4.65	Washburn, Benson, Chillicothe, Eureka, Germantown Hills, La Rose, Lacon, Metamora, Minonk, Mossville, Roanoke, Secor, Sparland, Spring Bay, Sunnyland, Varna, Washington
McConnell	$4.65	Cedarville, Freeport, Lena Orangeville Dakota, Pearl City, Warren, Winslow
McLean	None	Atlanta, Beason, Bloomington, Danvers, Hartsburg, Heyworth, Minier, Stanford, Waynesville
McLeansboro	None	Belle Prairie, Belle Rive, Blairsville, Broughton, Dahlgren, Dale, Enfield, Macedonia, Norris City
Mackinaw	None	Congerville, Deer Creek, Eureka, Goodfield, Groveland, Hopedale, Morton, Sunnyland, Tremont, Washington

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Macomb	None	Adair, Bardolph, Blandinsville, Bushnell, Colchester, Good Hope, Industry, Swan Creek
Macon	None	Bethany, Blue Mound, Dalton City, Decatur, Elwin, Harristown, Mount Auburn, Mount Zion, Moweaqua, Niantic
Magnolia	$4.65	McNabb, Varna, Wenona, Leonore, Lostant, Rutland, Toluca
Mahomet	$4.65	Champaign-Urbana, Bondville, Fisher, Foosland, Mansfield, Monticello, Seymour, Thomasboro
Malta	$4.65	DeKalb, Creston, Genoa, Kirkland, Maple Park, Monroe Center, Rochelle, Shabbona, Steward, Sycamore, Waterman
Manchester	$4.65	Roodhouse, Greenfield, Hillview, Jacksonville, Murrayville, Patterson, White Hall, Winchester, Woodson
Manlius	None	Buda, Dover, Mineral, Neponset, Ohio, Princeton, Sheffield, Tiskilwa, Walnut, Wyanet
Mansfield	None	Bondville, Fisher, Foosland, Mahomet, Monticello, Seymour
Maple Park	None	DeKalb, Genoa, Hinckley, Malta, Sycamore, Waterman

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Marion	$4.65	Carterville, Creal Springs, Goreville, Herrin, Hurst, Johnston City, Paulton & Crab Orchard, Royalton Stonefort, West Frankfort, Zeigler
Marissa	None	Baldwin, Blair, Coulterville, Evansville, Sparta, Tilden
Maroa	None	Argenta, Chestnut, Cisco, Decatur, Harristown, Latham, Oreana, Warrensburg
Marshall	$4.65	Clarksville, West Union, Grandview, Paris, Vermilion
Martinton	None	Ashkum, Beaverville, Chebanse, Clifton, Crescent City, Danforth, Donovan, Sheldon, St. Anne, Watseka, Woodland
Mascoutah	None	Albers, Aviston, Belleville, Fayetteville, Freeburg, Germantown, Lebanon, New Athens, New Baden, O'Fallon, Okawville, St. Libory, Summerfield, Trenton, Venedy
Massbach	$4.65	Elizabeth, Stockton, Hanover
Maunie	$4.65	Carmi, Crossville, New Haven

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Melvin	None	Buckley, Elliott, Gibson City, Loda, Ludlow, Paxton, Roberts, Sibley, Thawville
Mendota	None	Compton, La Moille, Ladd, West Brooklyn
Meredosia	None	Arenzville, Beardstown, Bluffs, Chambersburg, Chapin, Concord, Griggsville, Hersman, Perry, Versailles, Winchester
Metcalf	$4.65	Chrisman, Brocton, Paris, Redmon
Metropolis	$4.65	Brookport, Joppa
Middletown- New Holland	None	Elkhart, Emden, Hartsburg, Lincoln
Millstadt	$4.65	Belleville, Columbia, Westview Dupo, East St. Louis, Edgemont, Freeburg, Hecker, O'Fallon, Waterloo
Milton	4.65	Pearl, Pittsfield Bluffs, Griggsville, Hillview, Patterson, Pleasant Hill, Winchester
Mineral	$4.65	Annawan, Sheffield Buda, Elmira, Kewanee, Manlius, Neponset, Wyanet
Minier	$4.65	Mackinaw, Stanford Atlanta, Carlock, Danvers, Emden, Hartsburg, McLean

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Minonk	None	Benson, La Rose, Low Point, Roanoke, Secor, Varna, Washburn
Monroe Center	$4.65	Rochelle Creston, Kirkland, Malta
Monticello	$4.65	Bement, Cisco, DeLand Bondville, Ivesdale, Mahomet, Mansfield, Sadorus, Seymour
Morton	$4.65	Groveland, Tremont, Congerville, Deer Creek, Eureka, Germantown Hills, Goodfield, Hopedale, Mackinaw, Metamora, North Pekin, Pekin, Peoria, South Pekin, Sunnyland, Washington
Mossville	$4.65	Chillicothe, Peoria, Dunlap, Edelstein, Germantown Hills, Hanna City, Low Point, Metamora, North Pekin, Princeville, Spring Bay, Sunnyland, Washington
Mount Carmel	$4.65	Allendale, Bellmont, Browns, St. Francisville, West Salem
Mount Morris	$4.65	Oregon, Dixon, Grand Detour, Leaf River, Polo
Mount Sterling	$4.65	Clayton, Hersman, Mindale, Rushville, Versailles, Chambersburg, Fishhook, Perry

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Mount Zion	$4.65	Dalton City, Decatur Argenta, Bethany, Blue Mound, Cerro Gordo, Elwin, Harristown, La Place, Lovington, Macon, Moweaqua, Oreana, Warrensburg
Murphysboro	$4.65	Carbondale, De Soto Ava, Carterville, Elkville, Glenn, Hurst, Royalton
Murrayville	$4.65	Jacksonville, Woodson, Alexander, Chapin, Franklin, Manchester, Patterson, Roodhouse, White Hall, Winchester
Neponset	$4.65	Buda, Kewanee, Bradford, Castleton, Elmira, Manlius, Mineral, Sheffield, Tiskiwa, Toulon, Wyanet
New Baden	None	Albers, Aviston, Bartelso, Belleville, Breese, Fayetteville, Freeburg, Germantown, Highland, Lebanon, Mascoutah, O'Fallon, Okawville, St. Jacob, St. Libory, Summerfield, Trenton, Venedy
New Berlin	$4.65	Pleasant Plains, Springfield, Ashland, Auburn, Chatham, Loami, Waverly

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
New Canton	$4.65	Barry, Hull, Rockport, Baylis, Payson
New Haven	$4.65	Carmi, Norris City, Omaha, Ridgeway Maunie
Newman	$4.65	Broadlands, Sidell, Villa Grove
New Milford	$4.65	Cherry Valley, Rockford, Belvidere, Byron, Rock Cut, Seward, Stillman Valley, Winnebago
Newton	$4.65	Rose Hill, Willow Hill, Dundas, Oblong, Wendelin
Niantic	None	Blue Mound, Buffalo, Chestnut, Decatur, Elwin, Harristown, Illiopolis, Latham, Macon, Mount Auburn, Mount Pulaski, Warrensburg
Noble	None	Calhoun, Claremont, Clay City, Dundas, Flora, Mount Erie, Olney, Parkersburg, Sailor Springs, Wendelin
Norris City	$4.65	New Haven, Omaha, Blairsville, Broughton, Carmi, Dale, Enfield, McLeansboro

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Odell	None	Campus, Cornell, Emington, Pontiac, Ransom, Saunemin
Ohio	$4.65	Princeton, Dover, La Moille, Manlius, Walnut
Okawville	None	Addieville, Albers, Aviston, Bartelso, Beckemeyer, Breese, Fayetteville, Germantown, Mascoutah, Nashville, New Baden, New Minden, Oakdale, St Libory, Trenton, Venedy
Olney	$4.65	Claremont, Calhoun, Chauncey, Clay City, Dundas, Noble, Parkersburg, Sumner, Wendelin
Omaha	$4.65	New Haven, Norris City, Ridgeway Broughton, Dale, Enfield
Orangeville	None	Cedarville, Dakota, Davis, Freeport, Lena, McConnell, Winslow
Oreana	$4.65	Argenta, Cisco, Decatur, Cerro Gordo, Elwin, Harristown, La Place, Maroa, Mount Zion, Warrensburg
Oregon	$4.65	Mount Morris, Ashton, Dixon, Franklin Grove, Grand Detour, Leaf River, Polo, Rochelle
Palestine	None	Annapolis, Birds, Flat Rock, Hardinville, Hutsonville, Robinson

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Palmyra	$4.65	Modesto, Scottville, Girard, Virden, Waverly
Paris	$4.65	Redmon, Vermilion, Brocton, Chrisman, Clarksville, Grandview, Marshall, Metcalf
Parkersburg	$4.65	West Salem, Albion, Calhoun, Claremont, Mount Erie, Noble, Olney, Sumner
Patterson	$4.65	Hillview, Roodhouse, White Hall Carrollton, Eldred, Manchester, Milton, Murrayville, Pearl, Winchester
Paulton & Crab Orchard	$4.65	Marion, Carrier Mills, Carterville, Creal Springs, Herrin, Johnston City, Stonefort, Thompsonville, West Frankfort
Pawnee	None	Auburn, Chatham, Divernon, Girard, Loami, Rochester, Springfield, Virden
Paw Paw	$4.65	Compton, Earlville, Mendota, Harding, Leland
Paxton	None	Buckley, Elliott, Gibson City, Gifford, Loda, Ludlow, Melvin, Penfield, Rankin, Rantoul, Roberts

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Pearl	$4.65	Milton, Pittsfield, Eldred, Hillview, Patterson, Pleasant Hill, Roodhouse, White Hall
Pearl City	$4.65	Freeport, Cedarville, Lena, McConnell, Stockton
Pecatonica	None	Byron, Cedarville, Dakota, Davis, Durand, Freeport, German Valley, Rockford, Seward, Shirland, Winnebago
Percy	$4.65	Ava, Pinckneyville, Steeleville, Blair, Chester, Coulterville, Sparta, Tilden
Perry	None	Baylis, Bluffs, Chambersburg, Fishhook, Griggsville, Hersman, Meredosia, Mount Sterling, Pittsfield, Versailles
Pinckneyville	$4.65	Du Quoin, Percy, Ava, Coulterville, Elkville
Piper City	None	Chatsworth, Cullom, Forrest, Kempton, Saunemin, Strawn
Pittsfield	$4.65	Baylis, Griggsville, Milton, Pearl, Pleasant Hill, Rockport, Barry, Fishhook, Perry
Pleasant Hill	$4.65	Pittsfield, Rockport, Milton, Pearl
Pleasant Plains	$4.65	New Berlin, Springfield, Tallula, Ashland, Athens, Cantrall, Loami, Petersburg

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Pontiac	$4.65	Graymont, Chenoa, Cornell, Fairbury, Flanagan, Forrest, Odell, Saunemin
Poplar Grove	$4.65	Belvidere, Capron, Rock Cut, Rockford Cherry Valley, Garden Prairie, Rockton, Roscoe
Prairie City	$4.65	Bushnell, Abingdon, Adair, Avon, Bardolph, Good Hope, London Mills, Roseville, Swan Creek
Princeton	$4.65	Bureau, Dover, Ohio, Tiskilwa, Wyanet Buda, Hennepin, La Moille, Ladd, Manlius, Putnam, Sheffield, Spring Valley, Walnut
Princeville	$4.65	Dunlap, Edelstein, Brimfield, Camp Grove, Castleton, Chillicothe, Mossville, Spring Bay, Toulon, Wyoming
Putnam	None	Bradford, Bureau, Camp Grove, Hennepin, Henry, Lacon, Princeton, Sparland, Spring Valley, Tiskilwa, Varna
Raleigh-Galatia	$4.65	Eldorado, Harrisburg Carrier Mills, Equality, Ridgway, Thompsonville
Reddick	None	Cabery, Campus, Emington, Kempton

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Redmon	$4.65	Paris, Brocton, Chrisman, Clarksville, Grandview, Metcalf
Richmond	$4.65	Spring Grove, Antioch, Fox Lake, Hebron, Lake Villa, McHenry, Pistakee Highlands, Round Lake, Wonder Lake, Woodstock
Ridgway	$4.65	New Haven, Omaha, Shawneetown, Eldorado, Equality, Leamington, Raleigh-Galatia
Roanoke	$4.65	Benson, Congerville, Deer Creek, Eureka, Germantown Hills, Goodfield, La Rose, Low Point, Metamora, Minonk, Secor, Washburn, Washington
Roberts	$4.65	Melvin, Thawville, Buckley, Elliott, Gibson City, Loda, Paxton, Sibley
Robinson	None	Annapolis, Birds, Chauncey, Flat Rock, Hardinville, Hutsonville, Oblong, Palestine
Rochelle	None	Ashton, Creston, Franklin Grove, Malta, Monroe Center, Oregon, Shabbona, Steward
Rock Cut	$4.65	Belvidere, Poplar Grove, Rockford Capron, Cherry Valley, Garden Prairie, New Milford, Rockton, Roscoe, Shirland

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Rockport	$4.65	New Canton, Pittsfield, Pleasant Hill Barry, Baylis
Rockton	$4.65	Rockford, Roscoe, Shirland, South Beloit Durand, Poplar Grove, Rock Cut
Roodhouse	$4.65	Manchester, Patterson, White Hall Carrollton, Greenfield, Hillview, Murrayville, Pearl, Winchester, Woodson
Roscoe	$4.65	Rockford, Rockton, Shirland, South Beloit Belvidere, Capron, Cherry Valley, Poplar Grove, Rock Cut
Rose Hill	$4.65	Newton, Willow Hill, Oblong
Rossville	$4.65	Alvin, Bismarck, Henning, Hoopeston, Potomac, Armstrong, Cheneyville, Collison, East Lynn, Rankin
Royalton	$4.65	Carterville, Herrin, Hurst, Johnston City, Marion, Benton, Carbondale, Christopher, De Soto, Du Quoin, Elkville, Murphysboro, Sesser, West Frankfort, Zeigler
Rutland	$4.65	Long Point, Minonk, Toluca, Wenona Flanagan, Leonore, Lostant, Magnolia, Streator
Sailor Springs	$4.65	Clay City, Bible Grove, Flora, Louisville, Noble, Wendelin

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
St. Francisville	None	Allendale, Bridgeport, Lawrenceville, Mount Carmel, Sumner, Westport
Sandwich	$4.65	Leland, Plano, Sheridan, Somonauk Big Rock, Kaneville, Lisbon, Newark, Oswego, Plattville, Sugar Grove, Yorkville
Saybrook	$4.65	Arrowsmith, Bellflower, Colfax, Cooksville, Cropsey, Ellsworth, Farmer City, LeRoy
Scales Mound	None	Apple River, Elizabeth, Warren
Sesser	$4.65	Benton, Christopher, Du Quoin, Ewing, Royalton, West Frankfort, Zeigler
Seward	$4.65	German Valley, Pecatonica, Winnebago Byron, Dakota, Davis, Durand, Forreston, Freeport, New Milford, Rockford, Stillman Valley
Shabbona-Lee	$4.65	DeKalb, Creston, Hinckley, Malta, Rochelle, Steward, Waterman
Shawneetown	$4.65	Ridgway, Equality, Leamington
Sheffield	$4.65	Buda, Mineral, Bradford, Elmira, Kewanee, Manlius, Neponset, Princeton, Tiskilwa, Wyanet
Sheldon	$4.65	Watseka, Beaverville, Donovan, Martinton, Milford, Stockland, Woodland

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LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Sheridan	$4.65	Newark, Sandwich, Somonauk, Earlville, Harding, Leland, Lisbon, Marseilles, Ottawa, Plano, Yorkville
Sherman	$4.65	Athens, Buffalo, Cantrall, Riverton, Springfield, Williamsville Rochester
Shirland	$4.65	Rockford, Rockton, Roscoe, South Beloit Davis, Durand, Pecatonica, Rock Cut, Winnebago
Sibley	None	Elliott, Gibson City, Melvin, Roberts
Sidell	$4.65	Broadlands, Fairmount, Indianola Catlin, Fithian, Georgetown, Homer, Newman, Oakwood, Ridge Farm, Westville
Sidney	$4.65	Broadlands, Champaign-Urbana, Homer, St. Joseph, Fairmount, Fithian, Flatville, Ogden, Pesotum, Philo, Royal, Sadorus, Tolono, Villa Grove
Somonauk	$4.65	Leland, Sandwich, Sheridan Big Rock, Earlville, Harding, Lisbon, Newark, Plano, Sugar Grove, Yorkville
Sparland	$4.65	Lacon, Camp Grove, Chillicothe, Edelstein, Henry, La Rose, Low Point, Putnam, Spring Bay, Varna, Washburn

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Sparta	$4.65	Coulterville, Baldwin, Blair, Ellis Grove, Evansville, Marissa, Percy, Steeleville, Tilden
Spring Grove	$4.65	Fox Lake, McHenry, Richmond, Antioch, Crystal Lake, Grays Lake, Hebron, Lake Villa, Pistakee Highlands, Round Lake, Wauconda, Wonder Lake, Woodstock
Spring Valley	$4.65	Ladd, La Salle-Peru Bureau, Dover, Hennepin, La Moille, Princeton, Putnam
Stanford	$4.65	Bloomington, Minier Atlanta, Carlock, Danvers, McLean, Waynesvile
Steeleville	$4.65	Chester, Percy Ava, Blair, Coulterville, Ellis Grove, Sparta, Tilden
Steward	$4.65	Rochelle Ashton, Creston, Franklin Grove, Malta, Shabbona, Waterman
Stillman Valley	$4.65	Byron, Rockford Cherry Valley, New Milford, Seward, Winnebago

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Stockton	None	Apple River, Elizabeth, Lena, Massbach, Pearl City, Warren, Winslow
Stonefort	$4.65	Carrier Mills, Creal Springs, Harrisburg, Vienna Eddyville, Goreville, Marion, Paulton & Crab Orchard, Simpson
Strawn	$4.65	Cropsey, Fairbury, Forrest Chatsworth, Colfax, Piper City
Streator	$4.65	Grand Ridge, Long Point, Ransom Cornell, Leonore, Lostant, Rutland, Wenona
Sublette	$4.65	Amboy, Franklin Grove Ashton
Sullivan	$4.65	Bethany, Gays, Windsor Dalton City, Hammond, La Place, Lovington
Summerfield	None	Albers, Aviston, Belleville, Breese, Collinsville, Fayetteville, Freeburg, Germantown, Highland, Lebanon, Marine, Mascoutah, New Baden, O'Fallon, St. Jacob, Trenton, Troy, Venedy
Sumner	$4.65	Bridgeport Birds, Calhoun, Chauncey, Claremont, Dundas, Hardinville, Lawrenceville, Olney, Parkersburg, St. Francisville

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Sunnyland	$4.65	Peoria, Washington Deer Creek, Eureka, Germantown Hills, Goodfield, Groveland, Low Point, Mackinaw, Metamora, Morton, Mossville, North Pekin, Pekin, Spring Bay, Tremont
Sycamore	$4.65	DeKalb Creston, Genoa, Kirkland, Malta, Maple Park
Thawville	$4.65	Roberts Buckley, Loda, Melvin
Thompsonville	$4.65	Benton, West Frankfort Ewing, Johnston City, Paulton & Crab Orchard, Raleigh-Galatia
Tilden	None	Baldwin, Blair, Coulterville, Marissa, Percy, Sparta, Steeleville
Tiskilwa	$4.65	Bureau, Princeton Bradford, Buda, Dover, Hennepin, Henry, Manlius, Neponset, Putnam, Sheffield, Wyanet
Toluca	$4.65	LaRose, Rutland, Varna, Wenona Leonore, Long Point, Lostant, Magnolia
Toulon	$4.65	Elmira, LaFayette, Wyoming Bradford, Camp Grove, Castleton, Galva, Kewanee, Neponset, Princeville

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Tremont	$4.65	Groveland, Morton Deer Creek, Delavan, Goodfield, Green Valley, Hopedale, Mackinaw, North Pekin, Pekin, Peoria, South Pekin, Sunnyland, Washington
Tuscola	None	Ivesdale, Pesotum, Sadorus, Tolono, Villa Grove
Ullin	$4.65	Dongola Anna, Cypress, Karnak, Mound City, Mounds, Olive Branch, Tamms, Villa Ridge
Varna	$4.65	La Rose, Magnolia, Toluca Benson, Henry, Lacon, Low Point, Minonk, Putnam, Sparland, Washburn
Vermilion	$4.65	Paris Clarksville, Grandview, Marshall
Vermont	$4.65	Table Grove Adair, Asotria, Industry, Littleton
Versailles	None	Beardstown, Bluffs, Chambersburg, Fishhook, Griggsville, Hersman, Meredosia, Mount Streling, Perry
Vienna	$4.65	Cypress, Eddyville, Goreville, Karnak, Renshaw, Simpson, Stonefort Creal Springs, Dongola, Joppa

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Villa Grove	None	Broadlands, Newman, Pesotum, Philo, Sadorus, Sidney, Tolono, Tuscola
Villa Ridge	$4.65	Mounds, Cairo, Dongola, Mound City, Olive Branch, Tamms, Ullin
Virden	$4.65	Girard, Auburn, Chatham, Divernon, Loami, Modesto, Palmyra, Pawnee, Waverly
Walnut	None	Dover, Manlius, Ohio, Princeton, Wyanet
Warren	$4.65	Apple River, Lena, McConnell, Scales Mound, Stockton, Winslow
Warrensburg	None	Argenta, Chestnut, Decatur, Elwin, Harristown, Illiopolis, Latham, Maroa, Mount Pulaski, Mount Zion, Niantic, Oreana
Washburn	$4.65	La Rose, Low Point, Benson, Chillicothe, Eureka, Germantown Hills, Henry, Lacon, Metamora, Minonk, Roanoke, Secor, Sparland, Spring Bay, Varna
Washington	$4.65	Peoria, Sunnyland, Congerville, Deer Creek, Eureka, Germantown Hills, Goodfield, Groveland, Low Point, Mackinaw, Metamora, Morton, Mossville, North Pekin, Roanoke, Secor, Spring Bay, Tremont

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Waterman	None	Creston, DeKalb, Hinckley, Malta, Maple Park, Shabbona, Steward
Waverly	$4.65	Franklin, Auburn, Chatham, Girard, Loami, Modesto, New Berlin, Palmyra, Scottville, Virden
Wayne City	$4.65	Belle Prairie, Bluford, Crisp, Dahlgren, Fairfield, Geff, Harmony, Mount Vernon Belle Rive, Blairsville, Cisne, Orchardville
Waynesville	None	Atlanta, Beason, Clinton, Heyworth, Kenney, Lincoln, McLean, Stanford
Weldon	None	Clinton, Farmer City
Wenona	$4.65	Magnolia, Rutland, Toluca, Leonore, Long Point, Lostant, Streator
Wendelin	None	Bible Grove, Clay City, Dundas, Louisville, Newton, Noble, Olney, Sailor Springs
West Brooklyn	$4.65	Compton, Mendota, La Moille
West Frankfort	$4.65	Benton, Christopher, Thompsonville, Zeigler Carterville, Ewing, Herrin, Hurst, Johnston City, Marion, Paulton & Crab Orchard, Royalton, Sesser

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
West Salem	$4.65	Parkersburg, Albion, Bellmont, Browns, Calhoun, Claremont, Mount Carmel, Mount Erie
West Union	$4.65	Marshall
Westport	$4.65	Vincennes, IN Allendale, Birds, Bridgeport, Lawrenceville, St. Francisville
Westview	$4.65	Belleville, Millstadt, Collinsville, Columbia, Dupo, East St. Louis, Edgemont, Freeburg, Granite City, Hecker, O'Fallon, Waterloo
White Hall	$4.65	Hillview, Patterson, Roodhouse, Carrollton, Eldred, Greenfield, Manchester, Murrayville, Pearl, Winchester
Williamsville	$4.65	Athens, Buffalo, Cantrall, Elkhart, Riverton, Sherman, Springfield Greenview, Mount Pulaski, Rochester
Willow Hill	$4.65	Newton, Rose Hill, Chauncey, Dundas, Hardinville, Oblong
Winchester	None	Bluffs, Chapin, Concord, Griggsville, Hillview, Jacksonville, Manchester, Meredosia, Milton, Murrayville, Patterson, Roodhouse, White Hall, Woodson

General Exchange Catalog

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.3 Local Exchange Service Rate Classifications (Cont'd)

.3.2 Rate Schedule (Cont'd)

EXCHANGE	EASC	EXTENDED AREA SERVICE IS PROVIDED TO:
Winnebago	$4.65	Pecatonica, Rockford, Seward Byron, Davis, Durand, German Valley, New Milford, Shirland, Stillman Valley
Winslow	None	Cedarville, Lena, McConnell, Orangeville, Stockton, Warren
Wonder Lake	$4.65	McHenry, Woodstock Antioch, Cary, Crystal Lake, Fox Lake, Harvard, Hebron, Lake Villa, Pistakee Highlands, Richmond, Round Lake, Spring Grove, Union, Wauconda
Woodson	$4.65	Jacksonville, Murrayville Alexander, Chapin, Franklin, Manchester, Roodhouse, Winchester
Wyanet	$4.65	Princeton Bradford, Buda, Bureau, Dover, Hennepin, Manlius, Mineral, Neponset, Sheffield, Tiskilwa, Walnut
Wyoming	$4.65	Camp Grove, Castleton, Toulon Bradford, Dunlap, Edelstein, Elmira, Kewanee, Princeville
Zeigler	$4.65	Benton, Christopher, West Frankfort Carterville, De Soto, Du Quoin, Elkville, Herrin, Hurst, Johnston City, Marion, Royalton, Sesser

LOCAL EXCHANGE SERVICE

4. RATES (Cont'd)

.4 Supplemental Schedule Due to State Additional Charge

.4.1 Pursuant to Section 36(b) and Section 7a.10 of "An Act Concerning Public Utilities," as amended, the Company will charge its customers, in addition to all of the other lawful rates and charges a .1% state additional charge on bills rendered on and after July 1, 1988. The state additional charge is based on the amount payable for intrastate service.

.5 Frontier Road Work Recovery Surcharge

.5.1 General

This charge is for the recovery of costs for moving or relocating network facilities or infrastructure changes requested by the City, County, State or Federal authorities, or any other government entity of any kind. The charge will apply to end user accounts who obtain local exchange service from the Telephone Company under its general and/or local exchange tariffs. The surcharge will be billed monthly per account.

.5.2 Regulations

1. Surcharge will be assessed at the time of billing.
2. There will be no proration of charges.
3. There will be no discounts for vacation, seasonal or temporary suspension of service.

.5.3 Rates

	Monthly Rate Per Account	
Business	$3.25	(I)
Residence	$3.25	(I)

General Exchange Catalog

SERVICE DEFINITIONS

Access Line

The term "access line" denotes the transmission path between a standard network interface and the point in the Company central office where access to the switched network is obtained for the purpose of completing calls.

Accessories

Devices which are mechanically attached to, or used with, the facilities furnished by the Telephone Company and which are independent of, and not electrically connected to the conductors in the communications path of the Telephone Company system.

Account

An account is defined as all service billed on the same monthly bill.

Additional Point of Presence

The location of an additional interface having the operational characteristics of a NETPOP where having only a NETPOP to serve a building or multi-building property is not practical.

Administration Factor

An "Administration Factor", as used in this Catalog, is a vehicle for recovering indirect, often common, costs from a given product or service. This percentage rate is a surrogate to recover costs such as billing, overhead contribution, etc.

Auxiliary Line Service

Auxiliary line service is additional individual line service furnished to supplement the main individual line service of a subscriber.

This service may also be furnished in connection with connecting circuits provided by the Telephone Company for the interchange of telephone traffic with a Miscellaneous Common Carrier system arranged for interconnected service and must terminate in Telephone Company equipment provided for the termination of the connecting circuits. Auxiliary lines furnished in this connection must be connected to the same serving central office as the connecting circuits with which they are associated. Messages originated from a point on the system of a Miscellaneous Common Carrier over auxiliary lines are charged for at the rates for interconnected service.

General Exchange Catalog

SERVICE DEFINITIONS

Base Rate Area

A specific area within which schedule rates (urban) for local exchange service apply without exchange line mileage or without special rates in lieu of mileage.

Call

The term "Call", as used in this Catalog, connotes the establishment of a communications path between the calling and called parties for the purpose of completing a message.

Calling Card/Credit Card

A card authorized by the Company to which the charges for a Message Toll Telephone Service call may be billed. Calling Cards/Credit Cards may be a Company Calling Card,or a Calling Card issued by another telephone company.

Communications Systems

Channels and other facilities which are capable, when not connected to telecommunication service, of 2-way communication between customer-provided terminal equipment or Company stations.

Connecting Arrangement

The term "connecting arrangement" denotes the equipment provided by the Telephone Company to accomplish the direct electrical connection of customer-provided facilities of the Telephone Company.

Conformance Number

An identifying number assigned by the Company or the Federal Communication Commission (FCC) to a particular answering device when that model is in conformance with the provisions set forth by the Company or the FCC in its technical reference for Answering Devices.

General Exchange Catalog

SERVICE DEFINITIONS

Continuous Property

Continuous property is defined as a plot of ground, together with any buildings thereon, occupied by the customer, which is not separated by public thoroughfares or by property occupied by others. Where the customer occupies property on both sides of a street, alley, highway, body of water or railroad right-of-way, and the property would otherwise be continuous, such properties are treated as continuous property.

Credit Security

The establishment of credit in the form of a Cash Deposit, Contract of Guaranty, or Surety Bond.

Customer-Provided Terminal Equipment

Devices, apparatus and their associated wiring, provided by a customer, which are used with the network control signaling unit, Data Service data set or other station equipment furnished by the Company and does not include customer-provided communications systems.

Data Access Arrangement

A protective connecting arrangement for use with the network control signaling unit, or in lieu of the connecting arrangement, an arrangement to identify a central office line and protective facilities and procedures to determine compliance with criteria set forth in this Catalog.

Direct Electrical Connection

The physical connection of the electrical conductors in the communications path.

Exchange Area

An area for which a separate local rate schedule is provided.

Local Exchange Service Line

A central office line, which provides access to the exchange telephone network for local and long distance telephone service and includes the serving central office equipment and all outside plant facilities through and including the Standard Network Interface.

General Exchange Catalog

SERVICE DEFINITIONS

Extra Listing

An extra listing is any listing of a name or information in connection with a customer's telephone number beyond that to which customers are entitled in connection with their regular service.

Flat-Rate Service

Service furnished at a fixed monthly charge including Extended Area Service where applicable.

Foreign Central Office Service

Foreign Central Office Service is Local Exchange Service furnished through any central office serving the same exchange, other than the central office, which regularly serves the area in which the customer is located.

Foreign Exchange Service

Telephone exchange service furnished through any central office of an exchange other than the exchange, which regularly serves the area in which the customer is located.

Interface

The term "Interface" denotes that point on the premises of the customer at which provision is made for connection of other than Company provided facilities to facilities provided by the Company.

Interface Equipment

Equipment provided by the Company at the interface location to accomplish the direct electrical connection of facilities provided by the Company with facilities provided by other than the Company.

Local Exchange Service

Local Exchange Service provides for telephonic communication within local service areas in accordance with the provision of this Catalog, including the use of exchange facilities required to establish connection between an exchange station and the toll board or between an exchange station and toll trunks when such trunks are employed to effect connection with the toll board.

General Exchange Catalog

SERVICE DEFINITIONS

Local Messages

A local message is the measurement upon which the charges for telephone communications are based when the calling station and the station with which connection is established are both within the same local service area.

Market Service Area

A geographic area established for the administration of communications service. It encompasses designated central offices, which are grouped to serve common social, economic and other purposes.

Message

The term "Message", as used in this Catalog, connotes the communication that takes place within the chargeable duration of a call.

Miscellaneous Common Carriers

Communications common carriers, which are not engaged in the business of providing either a public landline message telephone service or public message telegraph service.

Network Control Signaling

The transmission of signals used in the exchange and message toll network which perform functions such as supervision (control, status and charging signals), address signaling (e.g., dialing), calling and called number identification, audible tone signals (call progress signals indicating reorder of busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the exchange and message toll network.

Network Point of Presence

The location of the interface between the Company central office lines serving a building, or first building of a multi-building commercial property, and the telecommunications wire and cable within that building used by one or more customers.

SERVICE DEFINITIONS

Non-Selective Access Line

A Non-Selective Access Line is a central office line that provides communications capacity between the serving central office and communications switching equipment normally installed on the customer's premises that is arranged in such a manner that the station user has no control over which access line is connected to the station or other equipment for incoming or outgoing calls. A Non-Selective Access Line will be hereinafter referred to as Trunks.

Point of Demarcation

The point of physical interconnection (connecting block, terminal strip, jack, protector, optical network interface, or remote isolation device) between the telephone network and the customer's premises wiring.

Premises

One premises is all space in the same building occupied by a customer and all space occupied by the same customer in different buildings on the same continuous property.

(D)

(D)

Private Line

A circuit provided to furnish communication only between the two or more telephones directly connected to it, and not having connection with the switched network.

Private Resale of Service

Private Resale is the subscription to telecommunications services and facilities by one entity and the limited reoffering, for profit, of those communications services and facilities not to the public but to a limited group possessing common features or attributes such as an association or membership corporation providing service to its members, or an organization set up to serve a well-defined industry group, or to closely located or affiliated buildings.

General Exchange Catalog

SERVICE DEFINITIONS

Public Resale of Service

Public resale is the subscription to communications services and facilities by one entity and the reoffering of communications services and facilities to the public (with or without 'adding value') for profit.

Rate Center

A location designated for rate measurement purposes in accordance with the provisions of this Catalog. Rate Centers are generally central office locations and are assigned specific Vertical (V) and Horizontal (H) coordinates which are listed as Wire Centers in the National Exchange Carrier Association's Tariff FCC No. 4.

Selective Access Line

A Selective Access Line is a central office line that provides communications capacity between the serving central office and communications switching equipment installed on the customer's premises that is arranged in such a manner that the station user has selective capability over which access line is connected to the station or other equipment for incoming or outgoing calls.

A Selective Access Line will be hereinafter referred to as Trunks.

Sent Paid

The normal billing arrangement whereby the billing of the call is to the party originating the call.

Sharing of Service

Sharing is a non-profit arrangement in which several users collectively use communications service and facilities provided by a carrier, with each user paying the communications related costs associated therewith according to its pro rata usage of the communications services and facilities.

Standard Network Interface

Company-provided wiring and standard jack normally located in close proximity to the protector or equivalent at the customer's premises and under the customer's control. Beginning November l, l98l, all new premises services will connect to the telecommunications network through the Standard Network Interface.

General Exchange Catalog

SERVICE DEFINITIONS

Subscriber

As used in this Catalog, a separate subscriber is involved at each location, or continuous property, where separate service is furnished. One individual or firm may therefore be considered as two or more separate "Subscribers" even in the same Exchange. The privileges, restrictions, and rates established for a Subscriber to any class of service are limited to the service at one location; and no group treatment of service at several separate locations, furnished to one individual or firm, is contemplated or to be implied, except when definitely provided for in the schedules.

Toll Service

Toll service is that part of the total telephone service rendered by the Telephone Company which is furnished between patrons in different local service areas in accordance with the regulations specified in the Company's Message Toll Telephone Service Catalog.

Touch Calling Service

Exchange Touch Calling Service provides for origination of telephone calls through the use of stations equipped with pushbuttons, each of which generates distinctive tones for the origination of calls. Stations accessing a Touch Calling line can be equipped for Touch Calling or rotary dial operation. Exchange Touch Calling Service requires special central office lines having the capability of receiving standard DTMF signaling and is available only where such equipment exists.

Usage Sensitive Service

Usage Sensitive Service provides unrestricted calling within a local calling area subject to application of network access rates in addition to usage rates which encompass the frequency and duration of calls modified according to the distance and time-of-occurrence of the call.

General Exchange Catalog

LOCAL EXCHANGE SERVICE

2. INFASTRUCTURE MAINTENANCE TAX

.1 Pursuant to the Telecommunications Municipal Infrastructure Maintenance Fee Act ("Act") (P.A.90-154) dated July 23, 1997 and Illinois Commerce Commission Order 97-0632 dated December 11, 1997, the Company will charge its customers, in addition to all of the other lawful rates and charges a 0.5% State Infrastructure Maintenance Fee on gross revenues for each customer on and after January 1, 1998.

3. 911 EMERGENCY TELEPHONE SYSTEM SURCHARGE

Pursuant to Illinois HB5709, a municipality or county imposing a 911 Emergency Telephone System Surcharge at a rate per network connection shall impose five (5) such surcharges per trunk or trunk equivalent. Twenty-five (25) Customized Multiline Telephone Service lines, with a 25 to 1 trunk equivalency, will be assessed five (5) surcharges or .20% of one (1) surcharge per Customized Multiline Telephone Service line.

4. ILLINOIS SIMPLIFIED MUNICIPAL TELECOMMUNICATIONS TAX

The company will comply with the Simplified Municipal Telecommunications Tax Act. A listing of municipalities that have enacted the tax is available from the Illinois Department of Revenue website. (D)(N) (N) (D)

SERVICE CHARGES

1. GENERAL

.1 The nonrecurring Service Charges shown in this Section apply when the following activities are performed at the request of a customer:

.1.1 Service Connections - New installations of telephone service and/or equipment, or subsequent additions to telephone service and/or equipment. No distinction is made between a new installation and an "outside move."

.1.2 Changes - Transfer of telephone service and/or equipment from one location to another location within or outside the same building or that portion of the same building occupied by the same customer, where there is no interruption of the service other than is incident to the work involved. Also includes directory listing changes and other modifications or rearrangements that do not involve equipment or wiring.

2. CONDITIONS

.1 Service Charges apply in addition to all other rates and charges, including Construction Charges, Mileage Charges, and Nonrecurring Charges.

.2 The charges specified herein do not contemplate work being performed by Company employees at a time when overtime wages apply. If the customer requests that overtime labor be performed, a charge in addition to the specified charges will be made equal to the additional cost involved.

.3 Explanation of Service Charges

.3.1 Service Order Charge - Initial - Applicable to work done in receiving, recording, and processing information necessary to execute an applicant's request for the initial establishment of telephone service at a premises. (T)

.3.2 Service Order Charge - Subsequent - Applicable to work done in receiving, recording and processing information necessary to execute an applicant's request for additions, moves, or changes to existing service.

.3.3 Central Office Connection Charge - Applicable to work done in the central office, between the central office and station protector and on the protector in association with providing an exchange access line or making changes thereto. (T)

SERVICE CHARGES

2. CONDITIONS (Cont'd)

.3 Explanation of Service Charges (Cont'd)

.3.4 Reconnect Charge - The Reconnect Charge applies where a customer re-establishes service on the same premises, with no changes in service after being disconnected for non-payment of a bill. This charge replaces the listed service charges and includes all services which were previously connected. If the customer does not take action to re-establish service within two weeks of the non-pay disconnect, the appropriate service charges will apply thereafter. (T) (T)

.3.5 Access Line Work Charge - These charges are applied to work associated with making and changing connections on the circuit between the serving central office up to and including the protector on the customer's premises, and/or other premises where the service is to be terminated, including necessary cross connections and line and station transfers.

.4 Application of Service Charges

.4.1 Order Charges

a. Order Charges apply on a per order basis and are in addition to appropriate Connection Charges.

a.1 The term "per order" means all work, service, and equipment requested (1) during the same contact or by the same communication and (2) for completion or provision on the same due date.

b. Order Charges are classified as either initial, subsequent, or record work. The charges are applicable to work done in receiving, recording, and processing information necessary to execute each customer request for connections of service (Initial Order Charge applies), to each order for an inside move, change, or addition to existing service (Subsequent Order Charge applies) or to each requested change which only involves changing the Company's records (Record Work Order Charge applies.)

SERVICE CHARGES

2. CONDITIONS (Cont'd)

.4 Application of Service Charges (Cont'd)

.4.1 Order Charges (Cont'd)

c. Except where exempted below, Order Charges apply to all Service Connection, Inside Move or Change activities, including but not limited to, additional service which is sold or requested during a serviceman's visit to a customer's premises for a nonchargeable purpose, or for Record Work Only.

c.1 Order Charges for Service Connection, Inside Move or Change activities do not apply to:

(1) Temporary discontinuance of service for nonpayment, (T)
(2) Removal of service and/or equipment,
(3) Additional service which is sold or requested (and installed) during a serviceman's visit to a customer's premises for a chargeable purpose,
(4) Recovery of single line stations by a Company employee from customer premises, (T)
(5) Orders prepared to document the existence of customer-provided equipment, or when | (T)
(6) Preempted by concurrence in a tariff of another Telephone Company.

SERVICE CHARGES

2. CONDITIONS (Cont'd)

.4 Application of Service Charges (Cont'd)

.4.2 Reconnect Credit Offer

a. Frontier North Inc. may offer residence customers who either disconnect or attempt to disconnect their telephone service a one-time benefit of $25 or $50 that will take the form of either a gift card or bill credit.

a.1 Eligible customers who contact Frontier North Inc., to disconnect their local exchange service due to a repair issue, but ultimately retain Frontier for local exchange service or who have been identified by Frontier as a customer likely to disconnect their local exchange service based upon criteria determined by the Company may receive the $25 one-time benefit.

a.2 Eligible customers who are responding to a Frontier North Inc., marketing letter and decide to retain Frontier North Inc., for local exchange service or establish local exchange service with Frontier North Inc., may be eligible to receive the one-time $50 benefit.

a.3 The offer is not redeemable for cash and may not be used to satisfy delinquent balances owed to Frontier North Inc., or any Frontier North Inc., affiliate. Bill credit offers mailed to qualifying customers must be redeemed prior to the expiration date specified in the mailing.

a.4 The offer is not available to customers disconnecting local exchange service for seasonal service (not returning) customers.

b. This offer is limited to one per customer and cannot be combined with any other offers except as authorized by Frontier North Inc.

SERVICE CHARGES

2. CONDITIONS (Cont'd)

.4 Application of Service Charges (Cont'd)

.4.3 Special Conditions

a. When an existing class of Local Exchange Service is downgraded, Service Charges apply for the surviving class of service.

b. Service Charges apply to the establishment of Local Exchange Service as follows:

b.1 Ordering and Connection Charges apply each time service is established.

c. Service Charges do not apply to residence changes from dial service to Touch Calling Service under the following conditions:

c.1 During the one-month period immediately following the establishment of Touch Calling Service in a given exchange.

d. The portion of Paragraph 2.4.1a.1 herein which reads "and (2) for completion or provision on the same due date.", is not applicable at Illinois State University, Northern Illinois University, Southern Illinois University, and Western Illinois University during a period of sixty days commencing fifteen days in advance of the date that initial fall term classes officially begin.

e. When maintenance activities require the disconnection of an existing station, Service Charges do not apply to its reconnection. If the disconnected station cannot be reconnected and is replaced for maintenance purposes, Service Charges do not apply to connection of the replacement station.

.4.4 Payment of Residence Service Charges

a. Payment of Residence Service Charges applicable to the initial establishment of Local Exchange Service may be extended over a period of three months. (T)
(D)
(D)

SERVICE CHARGES

3. CHARGES

		Nonrecurring Charge		
		Residence	Business	
.1	Service Order Charge – Initial, per order	$30.00	$49.00	(I)
.2	Service Order Charge – Secondary, per order	$22.00	$31.00	
.3	Central Office Connection Charge, per line	$25.00	$22.00	
.4	Reconnect Charge	$27.00	$41.00	
.5	Access Line Work Charge, per order	$20.00	$20.00	(I)

SERVICE CHARGES

3. CHARGES (Cont'd)

.6 Other Service Charges

.6.1 Customized Multiline Telephone Service Systems Data Base Program Changes Resulting from Customer Requested Work Activities.

	Nonrecurring Charge
a. Customized Multiline Telephone Service	
a.1 When the change is made to	
(1) establish a new line,	
(2) change the class of service mark for an existing line,	
(3) establish or change a line's dial call pickup group assignment or	
(4) for any reason other than those set forth in Paragraph a.2 following:	
(1) First line programmed or reprogrammed	$25.20
(2) Each additional line programmed or reprogrammed	$2.45
a.2 When the change is made	
(1) to initially activate a feature which is provided for in the existing generic program but not being used or	
(2) in conjunction with the provision of an optional feature subsequent to the initial installation of the system:	
(1) Per feature, per system	$315.00

SERVICE CHARGES

3. CHARGES (Cont'd)

.6 Other Service Charges (Cont'd)

.6.2 Work involving services and equipment items not specifically covered in this Section will be performed subject to the application of installation and nonrecurring charges shown elsewhere in this Catalog.

.6.3 Work involving services and equipment items for which an installation or nonrecurring charge is not specified, either in this Section or elsewhere in this Catalog, will be performed on the basis of "Cost" as defined in the following paragraph.

a. The term "Cost" means labor, materials, charges for supervision and other applicable overhead expenses.

NOTES:
1. The above charges apply in addition to all other Service Charges.
2. The above charges apply in addition to any other applicable nonrecurring charges.

SERVICE CHARGES

4. Telephone Assistance Programs

.1 Supplemental Assistance Link-Up Program

a. A credit for Service Charges, up to $35.00, will be applied for each new eligible subscriber. (T)

b. The supplemental Link-Up Program is funded through voluntary contributions from Illinois customers as described in 4.2 following.

c. Same eligibility requirements as listed under lifeline below.

.2 Universal Telephone Service Assistance Program (UTSAP) Voluntary Funding

.2.1 Customers wishing to participate in the funding of UTSAP may do so by electing to contribute, on a monthly basis, a fixed amount to be included by the Company on the customer's monthly bill. The voluntary contribution shall not reduce the customer's total bill amount due the Company for telephone services or other charges.

a. Residential customers may elect to contribute:

	Contribution
Contribution to UTSAP	$0.50
Contribution to UTSAP	$1.00
Contribution to UTSAP	$2.00
Contribution to UTSAP	$5.00

b. Business customers may elect to contribute:

Contribution to UTSAP	$1.00
Contribution to UTSAP	$5.00
Contribution to UTSAP	$10.00
Contribution to UTSAP	$25.00

c. Customers may elect to discontinue or change the amount of the monthly contribution on their bill at any time upon providing at least 30 days notice to the Company.

d. Failure by the customer in any month to remit the entire billed amount shall reduce the UTSAP contribution accordingly.

SERVICE CHARGES

4. Telephone Assistance Programs (Cont'd)

.3 Lifeline Assistance Program

.3.1 Description

a. The Lifeline Program is a federally funded program established to provide monthly assistance to low income households. Eligible subscribers will receive a credit of:

	Monthly Credit	
Broadband Services = service that includes qualifying broadband service.	$9.25	
Voice Services = voice service with no qualifying broadband service as defined by 47 C.F.R., Section 54.403 (a)(2).	$5.25	(R)

b. Applicant signs document certifying under penalty of perjury that the consumer has income at or below 135 percent of the Federal Poverty Guidelines or receives benefits from at least one of the following programs:

(1) Medicaid
(2) Food Stamps.
(3) Supplemental Security Income (SSI)
(4) Federal Housing Assistance
(5) Veterans Pension
(6) Survivors Pension

c. The Company's verification either through the Department of Public Aid or, in lieu of electronic verification, applicants will sign the form contained in Part 757 as Exhibit E, shall constitute proof of income eligibility.

d. Lifeline service shall not be disconnected for non-payment of toll charges.

e. Qualifying low-income subscribers who voluntarily elect toll blocking, where available, will not be required to pay a deposit in order to initiate Lifeline service.

SERVICE CHARGES

4. Telephone Assistance Programs (Cont'd)

.3 Lifeline Assistance Program (Cont'd)

.3.1 Description (Cont'd)

f. Lifeline Toll Restriction Service is available on a voluntary basis where technically feasible to Lifeline Telephone Service customers at no charge. Lifeline Toll Restriction Service prevents 0+, 00-, 1+NPA-NXX-XXXX, 1010XXXX, International (01+), Directory Assistance (411, 1+411, 0+411, 555-1212, 1+/0+ 555-1212, 1+/0+ NPA-555-1212), 1+900 calls, 1+700, 976 calls, and IntraLATA toll calls while allowing access to local, 711, 911, 0-, 1+800/888 etc., 950-XXXX and 1+950-XXXX calls and EAS calls. Access to Directory Assistance is available to Lifeline customers by dialing 0-. Access to Service Activation Codes "*/#"(e.g., *66, *69 Call Return) is also allowed. Upon customer request, some Service Activation Codes may be blocked at no charge, where conditions and facilities permit.

g. Lifeline customers may receive toll limitation services without charge. Toll limitation services include voluntary toll control and toll blocking. Toll control allows the customer to specify a certain dollar amount of toll usage that may be incurred on their telephone service per month. Toll blocking will take effect once the customer's requested toll limitation amount is exceeded.

5. Maintenance of Service Charge

.1 A nonrecurring charge as shown below applies to each visit made to the premises of a customer, joint user or authorized user by a Company employee during which it is determined that the service difficulty results from the customer's side of the demarcation point.

.1.1 Charge per hour	$ 100.00

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

1. APPLICATION OF BUSINESS AND RESIDENCE RATES

.1 BUSINESS RATES APPLY AT THE FOLLOWING LOCATIONS:

.1.1 In offices, stores, factories, and all other places of a strictly business nature.

.1.2 In boarding houses, (except as noted under 2.2.2), offices of hotels, halls and offices of apartment buildings, quarters occupied by clubs or lodges, public, private, or parochial schools, or colleges, hospitals, libraries, churches, and other similar institutions, except in churches and lodges as specified under 2.2.6 and 2.2.7.

.1.3 At residence locations when the subscriber has no regular business exchange service and the use of the service either by himself, members of his household, or his guests, or parties calling him can be considered as more of a business than a residence nature, which fact might be indicated by advertising, either by business cards, newspapers, hand bills, billboards, circulars, motion picture screens, or other advertising matter, such as on vehicles, etc., or when such business use is not such as commonly arises and passes over to residence exchange service during the intervals when, in compliance with the law or established custom, business places are ordinarily closed.

.1.4 Where the place of business and the residence of a subscriber are in the same premises and no exchange service is installed in the place of business, the business rate shall be charged for the exchange service installed in the residence.

.1.5 When the telephone number is habitually advertised for business purposes or when used in conjunction or association with any technology for which a fee, charge, and/or contribution is requested or implied.

.1.6 At residence locations, when an exchange service line is extended to a location in a shop, office, or other place of business.

.1.7 At any location where the listing of service at that location indicates a business, trade or profession, except as specified under 2.2.3 following.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

1. APPLICATION OF BUSINESS AND RESIDENCE RATES (Cont'd)

.2 RESIDENCE RATES APPLY AT THE FOLLOWING LOCATIONS:

.2.1 In private residences where business listings are not provided.

.2.2 In private apartments of hotels, rooming houses, or boarding houses where service is confined to the subscriber's use, and elsewhere in rooming and boarding houses which are not advertised as a place of business or which have less than five rooms for roomers or which furnish meals to less than ten boarders, provided business listings are not furnished.

.2.3 In the place of residence of a clergyman, and in the place of residence of a physician, dentist, veterinary, surgeon or other medical practitioner, provided the subscriber does not maintain an office in the residence. In the residence of a Christian Science practitioner, nurse or midwife, or in the office of any of this group of persons provided the office is located in the subscriber's residence and is not part of an office building. In any of such cases the listing may indicate the subscriber's profession, but only in connection with an individual name. If listings of firms or partnerships, etc., or additional listings of persons not residing in the same household are desired, business rates apply.

.2.4 In private stable or garage when strictly a part of a domestic establishment.

.2.5 In college fraternity houses where the members lodge, or lodge and board within the house.

.2.6 In churches, hospitals or other charitable institutions not supported by public taxation.

.2.7 In lodges where there is only occasional use of the service.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

2. APPLICANTS FOR SERVICE

.1 The Company may refuse to furnish service to an applicant or member of the same household that owes the Company for service of the same classification (residence or business), previously furnished to him at the same or another address, or when the applicant owes for the past due bill of another customer for which he voluntarily, in writing, assumed responsibility, until arrangements suitable to the Company have been made to pay such charges and/or the Company has received acceptable credit security.

.2 The Company, in order to assure the payment of its charges for services, will require applicants and customers to establish and maintain credit.

.3 Customers applying for business service may be required to furnish their federal employer identification number (FEIN) in order to establish business service. In addition, as part of its credit evaluation plan and in order to verify proof of business identity, Frontier North Inc., may request that applicants for business service provide one or more of the following:

Federal income tax return
Assumed name certificate
State business license
A voided business check
A sales tax permit
Copies of recent supplier invoices

The Company may decline to establish business service until such time as the applicant furnishes proof of its business identity as outlines above.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

3. ESTABLISHING CREDIT

.1 The Company will extend credit for service to an applicant or customer if at the applicant's or customer's option:

.1.1 The applicant has verifiable previous service with any telephone company for a similar type of service for a period of twelve (12) months preceding the date of application and his credit was judged to be satisfactory, and provided further, that the credit of the applicant is not otherwise impaired; or

.1.2 The applicant or customer makes a Cash Deposit; or

.1.3 The applicant furnishes a Surety Bond issued by an insurance company that has received a certificate of authority from the Department of Insurance; or

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

3. ESTABLISHING CREDIT (Cont'd)

.1 The Company will extend credit for service to an applicant or customer if at the applicant's or customer's option: (Cont'd)

.1.4 A residential applicant may furnish a guarantor satisfactory to the Company to secure payments of bills for the service requested. Prior to the connection of service, the guarantor must sign a "Contract of Guaranty" form shown below:

CONTRACT OF GUARANTY

KNOW ALL MEN, that whereas the Frontier North Inc., an Illinois corporation, hereinafter called the telephone company, as a condition to furnishing _____ residing at hereinafter called the applicant, telephone facilities and service, at _____, has requested said applicant to establish credit by making a cash deposit with said company to secure payment for telephone facilities and service, or in lieu of such a deposit at this time, to furnish a satisfactory guaranty of payment for telephone facilities and service, _____ the undersigned guarantor residing at _____, in consideration of the telephone company furnishing the applicant telephone facilities and service without requiring such a deposit at this time, hereby guarantees to the telephone company the payment by the applicant of all charges for telephone facilities and service of all kinds whatsoever, for which the applicant may be liable under applicable catalog provisions, rules and regulations of the telephone company by reason of his having contracted for telephone service as hereinabove stated. The undersigned guarantor covenants and agrees that, if said applicant at any time shall be in default in the payment of the charges for said telephone facilities and service, the undersigned guarantor will well and truly upon demand of the telephone company, pay all such charges. This guaranty shall remain in full force and effect until 30 days after receipt by the company of guarantor's written notice to terminate; provided however, that guarantor's liability hereunder shall remain in effect thereafter with respect to any and all obligations for telephone service incurred by applicant at any time prior to said termination date. This guaranty shall not be affected by the removal of service from the address stated to a different address nor by any change in the class of service contracted for. The Company is not obliged to release the guarantor from this obligation if there is reason to believe that the customer has used a device or scheme to obtain service without payment and has so notified the customer. The undersigned guarantor hereby waives right to notice of acceptance of this guaranty and further waives right to notice of default in payment by said applicant. The undersigned guarantor's liability under this guaranty shall be ___ dollars.

Signed on this ___ day of _____, 19_.

_____
GUARANTOR

Subscribed and sworn to before me this __ day of_____, 19_.
(SEAL)

_____
Notary Public or Witness

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

3. ESTABLISHING CREDIT (Cont'd)

.1 The Company will extend credit for service to an applicant or customer if at the applicant's or customer's option: (Cont'd)

.1.5 In the event a residential applicant does not have verifiable previous telephone service or if the previous service was for a period of time less than one year, the applicant would be requested to provide further credit information as follows:

a. Home ownership; or
b. Employment of two years or more with the current employer; or
c. Major oil company credit card; or
d. Major credit card; or
e. Checking account; or
f. Savings account; or
g. Age of 50 years or more.

NOTE: Should the applicant be unable to provide positive responses to two (2) of these credit criteria, the Company may request the applicant to furnish a deposit, Contract of Guaranty, or Surety Bond prior to the connection of service.

.2 Pending the Company's credit investigation (if one is deemed necessary) and credit determination, service will be provided if the applicant makes an advanced payment equivalent to the applicable charges for connection of service and the estimated charges for the first thirty (30) days of service or (b) the average monthly bill for customers served under the same rate classification. If, after investigation, the Company determines that applicant is not entitled to credit, it may refuse to provide or continue service until a Cash Deposit is made or other acceptable credit security is furnished.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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4. DEPOSITS

.1 Conditions for an Existing Customer

.1.1 The Company may require an existing customer to remit a Cash Deposit if the following conditions have transpired:

a. During the first twelve (12) months of service the customer has not made full payment by the due date on four (4) or more occasions, or when the service has been discontinued for nonpayment two (2) times.

b. After the first twelve (12) months of service:

b.1 The customer has had service discontinued for nonpayment two (2) times in any twelve (12) month period; or

b.2 The Company has reason to believe the customer used a device or scheme to obtain service without payment; or

b.3 The business customer has not made full payment by the due date on six (6) or more occasions during any twelve (12) month period.

.1.2 Any requests for a deposit shall be made within 45 days after the event giving rise to the deposit request.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

4. DEPOSITS (Cont'd)

.2 The amount of the Cash Deposit which may be required of an applicant or existing customer for the purpose of establishing credit, shall not exceed estimated charges for two (2) months' billing for residential service, and four (4) months' billing for business service.

.2.1 Applicants having no previous service record with Frontier North Inc. and existing customers with less than six (6) months' service may be required to remit a Cash Deposit based on:

a. The average bill for customers with the same class and grade of service in the same area; or
b. Past billing history for service of another company if service was provided within the State of Illinois and within six (6) months of the application for service.

.2.2 The amount of Cash Deposit may be adjusted at the option of the applicant, customer, or the Company at any time when the character or degree of the customer's use of the service has materially changed, or when it is indicated that the character or degree of such use will materially change.

.3 Payment of Deposits

.3.1 The Company may request a maximum payment of 1/3 the deposit amount from any customer within twelve (12) days from the date of request. An applicant may be requested to pay no more than 1/3 of the deposit amount prior to the establishment of service. At least two billing periods shall be allowed for the balance of the deposit. An existing customer or applicant may, at their option, pay the deposit on an expedited schedule.

REGULATIONS GOVERNING
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4. DEPOSITS (Cont'd)

.4 Refund of Deposits

.4.1 Deposits plus interest shall be automatically refunded after being held for twelve (12) months if all the following conditions are met:

a. The customer has paid any past due bill for service owed to the Company,
b. Service has not been discontinued for nonpayment,
c. The customer has not paid late four (4) times,
d. The Company has no reason to believe the customer used a device or scheme to obtain service without payment.

.4.2 Deposits plus interest shall be refunded when service has been terminated for more than thirty (30) days, less the amount of unpaid bills, if any, for that service. No refund of less than one-dollar ($1.00) need be issued.

.5 Interest on Deposits

.5.1 Interest shall be paid on all deposits held by the Company. In December of each year the Commission shall announce the rate of interest, which shall be paid on all deposits held during all or part of the subsequent year. Interest will not be allowed for a period extending beyond the date of refund or the date service is terminated, whichever date is earlier.

.5.2 At the request of a customer, the Company shall compute the accrued interest upon the deposit and pay such amount to the customer. The Company need not make such payment more often than once in a twelve (12) month period, nor sooner than twelve (12) months after receipt of a deposit.

.6 Contract of Guaranty in Lieu of Deposit

.6.1 In lieu of a deposit, the Company will accept the written guaranty of a responsible party as surety for a residential service account. An existing customer of Frontier North Inc. with at least twelve (12) months' service which has not been discontinued for nonpayment during the most recent twelve (12) months qualifies as a responsible party.

.6.2 Refer to this catalog for the Contract of Guaranty.

.7 The Company will accept a Surety Bond in lieu of a deposit as indicated in this Section.

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EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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5. PAYMENT FOR SERVICE

.1 Customer Billing

.1.1 Regular bills will be issued once each month.

.1.2 Special toll bills for Long Distance Telecommunications Service may be issued at any time when charges are in excess of 175% of the customer's average toll bill for the past three month's or are unusually high and the Company is uncertain as to the customer's ability to pay such charges.

a. Special toll bills are due ten (10) days from the mailing date of the billing.

b. Special toll bills may be rendered to a residential customer only during the first twenty-four (24) months of service. No limitation on special toll bills applies to business customers.

.1.3 Services which are charged for at monthly rates are billed in advance for one month's service.

.1.4 Services which are charged for at other than monthly rates are billed in arrears, except when payment for messages is made by cash deposit in the coin station.

.1.5 Except where exempted below, detail call information such as, the time at which made, duration and destination will not be provided other than for Long Distance Telecommunications Service.

Where facilities permit, itemized billing for local message detail will be provided free of charge upon customer request once every six months or if a good faith dispute exists. This waiver of charge shall not apply to customers contracting with the Company for monthly message detail.

.1.6 Adjustment of Charges

Bills for service supplied by the Company must be rendered within one (1) year of the date such service was supplied. No customer shall be liable for any amount of unbilled service after one (1) year. The Company is not restricted to the above one (1) year limitation on unbilled service if the Company has reason to believe that the customer used a device or scheme to obtain service without payment and where the Company has so notified the customer prior to disconnection.

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5. PAYMENT FOR SERVICE (Cont'd)

.1 Customer Billing (Cont'd)

.1.6 Adjustment of Charges

Bills for service supplied by the Company must be rendered within one (1) year of the date such service was supplied. No customer shall be liable for any amount of unbilled service after one (1) year. The Company is not restricted to the above one (1) year limitation on unbilled service if the Company has reason to believe that the customer used a device or scheme to obtain service without payment and where the Company has so notified the customer prior to disconnection.

.1.7 Duplicate Bill Charge

A printed copy of regular monthly billing may be provided to customers upon request where such information is available and facilities permit. A Duplicate Bill Charge will apply for providing a printed copy of current and/or previous months' billing.

	Residence	Business
Duplicate Bill Charge, per copy of bill requested	$5.00	$5.00

.1.8 Digital Billing (N)

Digital billing provides a complete version of the bill, including bill detail, bill messages and inserts. Digital billing is available online, by email and in mobile app. Digital billing customers will receive the digital bill based on preferences managed by the customer, including a notification when the bill is ready to view. Upon election to digital billing, the paper version will be discontinued. If a customer elects to receive both the digital bill and a paper bill, a monthly charge will apply. Digital bill payment and auto pay can also be managed online, in mobile app, or with Frontier's automated phone system.

	Monthly Rate	
	Residence	Business
Rate for Digital Billing with Duplicate paper bill	$5.00	$5.00 (N)

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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5. PAYMENT FOR SERVICE (Cont'd)

.2 Responsibility of the Customer

.2.1 The customer is responsible for the payment of charges for all services furnished including, but not limited to, calls originated or accepted at a customer's service location.

.2.2 Payment shall be in United States currency or by instruments so denominated and payable on demand at par in Commercial banks in the locality where facilities and service are furnished.

.2.3 Payment shall be made by the due date shown on the monthly bill and may be paid at any of the Company's public business offices or other authorized payment locations.

.2.4 Charges for a message originated or accepted at a coin station shall be paid by cash deposit in the coin station unless arrangements for billing have been made.

.3 Deferred Payment Agreement

.3.1 Residential customers indebted to the Company for past due telephone service shall have the opportunity to make arrangements to retire the delinquent amount by a Deferred Payment Agreement. All applicants for service, nonresidential customers and customers failing to make payment under such a plan during the past twelve (12) months and are indebted to the Company for past due telephone service, may have the opportunity, at the discretion of the Company, to make arrangements to retire the debt by a Deferred Payment Agreement.

.3.2 Customers and/or applicants will be required to pay a down payment on the delinquent amount upon entering into a Deferred Payment Agreement as follows:

a. A residential applicant or existing residential customer shall be required to pay no more than one-fourth (1/4) of the amount past due and owing.

b. A business applicant or existing business customer shall be required to pay no more than one-third (1/3) of the amount past due and owing.

c. Customers will be allowed a minimum of four (4) months from the date of said agreement and a maximum of twelve (12) months in which to complete payment pursuant to a Deferred Payment Agreement.

REGULATIONS GOVERNING
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5. PAYMENT FOR SERVICE (Cont'd)

.3 Deferred Payment Agreement (Cont'd)

.3.3 A Deferred Payment Agreement shall be in writing, with a copy provided to the applicant or existing customer, and shall conform to the following requirements:

a. The applicant or existing customer shall be required to pay all future bills by the due date; and

b. The applicant or existing customer shall retire the delinquent amount according to the terms of the Deferred Payment Agreement.

.3.4 In the event that a customer fails to make payment as stated in a Deferred Payment Agreement, any delinquent balance pursuant to the agreement will become payable immediately and the Company shall have the right to discontinue service pursuant to proper notice.

.4 Returned Payment Charge

.4.1 Payments for services subsequently returned to the Company for non-payment, per customer, per payment $25.00

.4.2 A customer will be placed on a "cash only" basis upon receipt of two (2) returned payments within a twelve (12) month period of time. "Cash only" is herein defined as cashier's check, U.S. currency, or money order.

.5 Late Payment Charge

.5.1 Residential - A Late Payment Charge of 1.5 % or $9.00, (whichever is greater), applies to each customer's bill when the previous month's bill has not been paid in full, leaving an unpaid balance carried forward.

.5.2 Business - A Late Payment Charge of 1.5% plus $14.00 applies to each customer's bill when the previous month's bill has not been paid in full, leaving an unpaid balance carried forward. (I)

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5. PAYMENT FOR SERVICE (Cont'd)

.6 Convenience Fee

A convenience fee is a charge that is added onto a customer's account if a customer makes a payment using a Company Representative. The customer is informed by the Company Representative of the applicable charges prior to processing the payment. The charge will be collected at time of payment processing. This fee will not apply if:

- The automated payment systems are unavailable due to system outages.
- At the time payment is made, the customer agrees to sign up for automatic bill payment.
- Payment is taken for a deposit.
- The payment is for a Government account.

	Per Occurrence	
Convenience Fee	$10.00	(I)

REGULATIONS GOVERNING
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6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT

.1 Past Due Bills

.1.1 A customer is considered to be past due in the payment of a regular monthly bill when the sum due is not received on or before the due date shown on the bill. The due date may not be less than 21 days after the date of postmark of the bill, if mailed, or the date of the delivery as shown on the bill if delivered by other means.

.1.2 A customer is considered to be past due in the payment of a special bill when the criteria as set forth in 5.1.2 preceding is not satisfied.

.2 Certificate of Illness

.2.1 A residential customer may obtain a Certificate of Illness authorized by a licensed physician if the discontinuance of service for nonpayment will aggravate an existing medical emergency or create a medical emergency for the customer or a permanent resident in the customers' household.

.2.2 Initial certification shall prohibit discontinuance of service for thirty (30) days. Certification may be renewed by the customer for one additional thirty (30) day period by providing another certificate to the Company. Failure to renew the certificate shall entitle the Company to initiate discontinuance procedures if the delinquent amount is still outstanding and has not been provided for in a Deferred Payment Agreement.

.2.3 Within the first thirty (30) days the customer must enter into a Deferred Payment Agreement for the delinquent amount and must keep the current account paid.

.2.4 Initial certification by the certifying physician may be by telephone if written certification is forwarded within five (5) days.

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6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT (Cont'd)

.2 Certificate of Illness (Cont'd)

.2.5 The Certificate of Illness must be in writing on stationery which clearly sets forth the name of the doctor, hospital, or medical clinic. The certificate must clearly state the name of the person whose illness would be aggravated, the nature of the illness or emergency, as well as the name, title, and signature of the licensed physician certifying the illness or emergency.

.2.6 In the event service is discontinued within ten (10) days prior to Certification of Illness by or for a qualifying resident, service shall be restored to that residence if a proper certification is thereafter made in accordance with the foregoing provisions.

.3 Action by the Company

.3.1 The Company may discontinue service to a customer who fails to pay a past due bill, or a customer who fails to establish his credit or fails to increase his Cash Deposit, after it has mailed, or delivered, a written notice to the customer indicating its intention to discontinue service. This notice, a copy of which appears herein, shall be transmitted separately from any other written matter or bills, and service may not be discontinued sooner than five days (8 days if mailed) after its transmittal.

a. The fact that a deposit has been made shall in no way relieve the customer from the responsibility for payment of bills, nor shall it constitute waiver or modification of the Company's regulations governing discontinuance of service.

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6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT (Cont'd)

.4 Restoral of Service (Reconnect)

.4.1 If a customer's service is restored after having been discontinued in accordance with this Catalog, but a Company service order to terminate such service has not been completed, the customer will be required to pay a restoral of service charge.

.4.2 Monthly service charges will not apply for the period between discontinuance of service and restoral.

.4.3 When a customer's service has been discontinued for a period of ten (10) days in accordance with this Catalog and the service has been terminated through the completion of a Company service order, service will be reestablished only upon the basis of an application for new service.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT (Cont'd)

.5 Customer Notice

.5.1 Customer Notice – Consumer Information Enclosure (printed in black ink on red background)

a. Front

IMPORTANT
READ THIS
IMMEDIATELY
(See reverse side for consumer information)

b. Back

CONSUMER INFORMATION

Any questions concerning the enclosed NOTICE should be discussed with your Service Representative; call the toll-free number of (800) 483-3000. Personnel are on duty during regular office hours for the explicit purpose of establishing payment arrangements, and hearing concerns you may have regarding service, billing, and deposit requirements. If they are unable to assist, please ask to be referred to a supervisor.

If the situation is not resolved to your satisfaction, call the Consumer Services Division of the Illinois Commerce Commission. Customers may call 800-524-0795. Consumers using a TDD call 800-858-9277.

Further billing will nullify this NOTICE.

A copy of the Illinois Commerce Commission's 83 Illinois Administrative Code, Part 735, rules pertaining to establishment of credit, billing, deposits, termination of service, and issuance of telephone utilities in the State of Illinois, is available for inspection at your local business office.

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6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT (Cont'd)

.5 Customer Notice - Medical Emergency Notice

.5.2 Requirement to Avoid Shutoff of Service in Event of Illness

IF DISCONTINUANCE OF SERVICE WILL AGGRAVATE OR CREATE A MEDICAL EMERGENCY FOR A RESIDENT OF YOUR HOUSEHOLD, WE WILL NOT DISCONTINUE YOUR SERVICE.

WHAT YOU MUST DO:

YOU MUST CONTACT A PHYSICIAN OR LOCAL BOARD OF HEALTH. IF YOUR SERICE IS IN DANGER OF BEING DISCONNECTED RIGHT AWAY, YOU CAN HAVE THE PHYSICIAN OR LOCAL BOARD OF HEALTH CONTACT THE COMPANY AT 800-921-8105 TO VERBALLY CERTIFY THE MEDIAL NEED. THEY MUST THEN SEND A WRITTEN CONFIRMATION OF THE EMERGENCY MEDICAL NEED, SIGNED BY A PHYSICIAN, TO FRONTIER WITHIN 5 DAYS. THE WRITTEN CONFIRMATION MUST INCLUDE THE FOLLOWING INFORMATION:

Name of the person. A statement that the person is a resident of the premises in question; the name, business address, and telephone number of the certifying physician; the period of time during which discontinuance of telephone utility will aggravate the illness.

HOW LONG IS THE CERTIFICATION VALID?

THIS CERTIFICATION IS VALAD FOR ONE MONTH. IT CAN ALSO BE RENEWED FOR ONE MONTH IF THE PHYSICIAN WRITES TO THE COMPANY AGAIN. IF THE CERTIFICATION IS NOT RENEWED YOUR TELEPHONE SERVICE MAY BE DISCONTINUED AFTER THE FIRST MONTH.

FOR MORE INFORMATION, CALL FRONTIER AT 800-921-8105 or CALL:

CONSUMER SERVICES DIVISION
ILLINOIS COMMERCE COMMISSION
800-524-0795

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6. DISCONTINUANCE OF SERVICE FOR NONPAYMENT (Cont'd)

.5 Customer Notice - Disconnection Notice

PLEASE BRING THIS NOTICE TO THE ATTENTION OF THE TELEPHONE COMPANY WHEN PAYING THIS BILL.

Our records indicate that your account is past due in the amount shown below. If payment is not received by the final due date, your service will be temporarily disconnected. If you cannot pay the whole amount now, you may be able to get a payment plan. Call us at **800-921-8105** for more information. If the past due amount has already been paid, please disregard this notice.

Your service can be maintained by paying those charges marked with a star (*). All Services remaining unpaid are subject to suspension. Frontier has employees on duty from 8 A.M. to 5 P.M. to answer your questions or to listen to your complaints. If you do not understand why you owe this money, or if you think there has been a mistake, please contact a Service Representative at 800-921-8105, as soon as possible. If the person you talk to cannot help you, ask to talk to a supervisor. If they cannot help you, call the Consumer Services Division of the Illinois Commerce Commission at 800-524-0795. Call before you are disconnected!

IMPORTANT! If your services are discontinued, a charge in the amount of $12.00 (Residence fee) or $26.00 (Business fee) before your telephone service will be turned on again.

$0.00	*Amount Subject to Disconnection
$0.00	Other
$0.00	Total Past Due Charges

NOTE: If you subscribe to a local telephone service package, the package will be discontinued if your payment is not sufficient to cover the total package price. In addition, early termination charges may apply.

Accounts are temporarily disconnected for ten calendar days after which time the service is permanently disconnected. If the service is permanently disconnected, an application for new service will be required. The installation charges for new service is greater than the charge to restore service and a security deposit may also be required. The "Amount Due" as shown below may include charges for directory advertising, operator services, and disputed 900 charges. Your Local Telephone Service will not be disconnected because of these charges.

REGULATIONS GOVERNING
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PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

7. INITIAL CONTRACT PERIODS AND TERMINATION OF SERVICE

.1 INITIAL CONTRACT PERIODS

.1.1 Unless otherwise specified herein or elsewhere in this Catalog, the initial (or minimum) period for all services and facilities is one month at the same location.

.1.2 The length of contract period for directory listings where the listing actually appears in the directory, is the directory period. The directory period is from the day on which the directory is first distributed to the customers to the day the succeeding directory is first distributed to customers.

.2 TERMINATION OF SERVICE

.2.1 Service may be terminated prior to the expiration of the initial contract period upon notice being given to the Company, and upon payment of the termination charges given below or elsewhere in this Catalog.

a. In the case of service for which the initial contract period is one month, charges are due for the balance of the initial period.

b. In case of directory listings where the listing has appeared in the directory, charges are due to the end of the directory period, except that in the following cases charges will continue only to the date of termination of the extra listing subject, however, to a minimum charge for one month:

b.1 The contract for Local Exchange Service is terminated.

b.2 The listed party becomes a customer to some class of Local Exchange Service.

b.3 The listed party moves to a new location.

c. In the case of special equipment for which the initial contract period is in excess of one month at the same location, such proportion of the sum of the cost of the equipment and its installation, plus the cost of removal, less the salvage value of the equipment removed, as the unexpired portion of the initial contract period bears to the full contract period.

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EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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7. INITIAL CONTRACT PERIODS AND TERMINATION OF SERVICE

.2 TERMINATION OF SERVICE (Cont'd)

.2.2 Service may be terminated after the expiration of the initial contract period upon notice being given to the Telephone Company, and upon payment of all charges due to the date of termination of the service.

.3 TRANSFER OF CONTRACTS

.3.1 A subscriber paying standard rates may, upon request, transfer his contract to another party at the same location when there is no reason to question the responsibility of the other party, and when the new party willingly assumes all the obligations of the old subscriber and pays the service charge, if applicable. A new contract endorsed "Transfer" is signed by him, and bills are rendered the new party without any adjustments from a particular date. A contract arranged for by transfer is terminable under the same conditions as was the original contract.

.3.2 The Telephone number of a telephone affected by a transferred contract covering a change of party, shall be changed in all cases, unless it is clearly shown that the new party is, in fact, the successor of and is entitled to receive, and will properly care for the incoming messages for the listed number. In order to retain the listed telephone number, the new subscriber should assume any outstanding indebtedness under the transferred contract. In case there is any doubt as to the propriety of assigning the listed telephone numbers, the subscriber whose name is listed should assent in writing.

8. The regulations specified herein are in addition to the regulations contained in other sections of this Catalog.

9. OBLIGATION OF COMPANY - The Company's obligation to furnish exchange and toll service is dependent upon its ability to secure and retain, without unreasonable expense, suitable facilities and rights for the construction and maintenance of the necessary pole lines, circuits and equipment.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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10. INSTALLATIONS AND CHANGES OF EQUIPMENT

a. Defacement of Premises - No liability shall attach to the Company by reason of any defacement or damage to the customer's premises resulting from the existence of the Company's stations, apparatus, and associated wiring on such premises, or by the installation or removal thereof, when such defacement or damage is not the result of the sole negligence of the Company or its employees.

b. Alterations - The customer agrees to notify the Company promptly in writing whenever alterations or new construction on premises owned or leased by him will necessitate changes in the Company's wiring or equipment; and the customer agrees to pay the Company's current charges for such changes.

11. USE OF SERVICE AND FACILITIES

.1 Ownership and Use of Equipment - When equipment, stations, and lines are owned by the Company and located on the premises of a customer, the Company's agents and employees shall have the right to enter said premises at any reasonable hour for the purpose of installing, inspecting, or repairing the stations and lines or for the purpose of making collections from coin boxes and, upon the termination of the service, for the purpose of removing such stations and lines. (D)

(D)

.2 The number of ringers a customer connects to an Local Exchange Service line may affect the operation of the service. Therefore, the Company will be responsible only for providing ringing current in accordance with usual telephone industry technical standards. (T)

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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12. ABUSE OR FRAUDULENT USE OF SERVICE

.1 Service and facilities are furnished subject to the condition that there will be no abuse or fraudulent use by the customer. Abuse or fraudulent use includes:

.1.1 The use of service or facilities of the Company to transmit a message, to locate a person or otherwise to give or obtain information, without payment of the charges applicable to such use.

.1.2 The obtaining, or attempting to obtain, or assisting another to obtain or to attempt to obtain, service or facilities, by rearranging, tampering with, or making connection with any facilities of the Company, or by any trick, scheme, false representation, or false credit device, or by or through any other fraudulent means or device whatsoever, with intent to avoid the payment, in whole or in part, of the regular charges for such service.

.1.3 The use of service or facilities of the Company for a call or calls, anonymous or otherwise, if in a manner reasonably to be expected to frighten, abuse, torment, harass, or impersonate another.

.1.4 The use of profane or obscene language.

.1.5 The use of the service in such manner as to interfere unreasonably with the use of the service by one or more other customers.

13. TELEPHONE NUMBERS

.1 The customer has no property right in the telephone number or any right to continuance of service through any particular central office. The Company may change the telephone number or the central office designation, or both, of a customer whenever it is desirable in the conduct of Company business to do so.

.2 Telephone numbers will not be changed as a penalty or to enforce payment for directory advertising charges.

14. TRANSMITTING MESSAGES

The Company does not transmit messages but provides the use of its facilities when available for communications between parties.

REGULATIONS GOVERNING
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15. USE OF LINES OF OTHER COMPANIES

When suitable arrangements can be made, lines of other telephone companies may be used in establishing wire connections to points not reached by this Company's lines. In establishing connections with the lines of other companies, the Company is not responsible or liable for any action of the Connecting Company.

16. UNUSUAL INSTALLATION COSTS

Where special conditions or special requirements of the customer involve unusual construction or installation costs, the customer may be required to pay a reasonable proportion of such costs.

17. RESALE OF SERVICE

.1 No payment may be exacted, directly or indirectly from any person by any party other than the Company for the use of any of the Company's services, except in exchanges offering only Usage Sensitive Service as set forth in this Catalog, or in conjunction with Customer Owned Coin Telephone Exchange Service as set forth in this Catalog, or where otherwise stipulated in the Company's Tariffs.

.1.1 Services and facilities will be provided to public resellers only in instances where the reseller can demonstrate its authority to operate. Such authority can only be demonstrated by providing the Company a copy of the reseller's Certificate of Public Convenience and Necessity issued by the Illinois Commerce Commission.

.1.2 When it is determined that a public reseller is operating without a Certificate of Public Convenience and Necessity, the Company will discontinue the provision of its services and facilities after it has provided notification of the Company's intention to discontinue the provision of its services and facilities. Disconnection will take place five (5) days after hand delivery of written notice or, if mailed, eight (8) days after postmark date shown on notice.

.1.3 When Message Toll Telephone Service is provided for resale, a discount of 5% (five percent) will apply. This discount applies only to two-point message services and does not include associated services. Frequent Calling Service, Destination Service and Discount Calling Service Plans are available for resale at tariffed rates and must be applied on a per customer (end user) basis. The resale provisions will be available upon completion of Company and reseller arrangements.

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17. RESALE OF SERVICE (Cont'd)

.2 If an end user in a group or entity served by a public reseller, private reseller or sharer wishes to obtain service from the Company and it is in the Company's best interest to lease or purchase the reseller's or sharer's facilities, the Company will connect its facilities to those of the reseller or sharer to provide service to the end user as set forth below.

.2.1 When an end user in a group or entity being served by a reseller or sharer wishes to obtain service from the Company, the reseller or sharer must sell or lease necessary facilities to the Company to connect the end user to the Company's facilities.

.2.2 Facilities will be leased or purchased from the reseller or sharer on the basis of "Cost." The reseller or sharer must provide the Company with a cost statement illustrating applicable cost elements including, but not limited to, labor, material, and other related items. It shall also be the reseller's or sharer's responsibility to furnish the Company a lease agreement or bill of sale, as appropriate, covering each location and facility obtained. Such leases will be restricted to the period of time facilities are used to provide the end user service from the Company.

Bills of sale shall carry reseller or sharer buy back provisions in the event the facility is no longer required by the Company. Such leases and bills of sale shall contain provisions stating that the Company and the reseller or sharer shall not be liable one to the other, for damages (including, without limitation, service outages, service interruptions or transmission quality) caused by the Company or the reseller or sharer, as the case may be. The reseller or sharer shall indemnify and hold harmless the Company from such damages sought by end users of the reseller or sharer.

.2.3 If the revenue to be derived from the service provided is not sufficient to warrant the Company assuming the cost of leasing or purchasing such facilities, the end user requesting the Company's services may be required to pay all or a portion of the costs, based on the circumstances in each case.

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18. SERVICE TO OTHER EXCHANGE AREAS

Service to other exchange areas, as provided for in Local Exchange Catalog schedules, is limited to the Company's customers, as defined in this Section. Service between exchanges of the Company or between the exchanges of this Company and exchanges of other companies is provided at the established toll rates between the exchanges involved unless the Local Exchange Catalog schedule provides for Extended Area Service.

19. OBSERVANCE OF RULES AND REGULATIONS

Failure on the part of subscribers to observe these rules and regulations of the Company, automatically gives the Company the privilege to cancel the contract and discontinue the furnishing of service.

20. EMPLOYEES' TELEPHONE SERVICE

.1 Employees who have been continuously employed for a period of six (6) months and who work regularly twenty (20) or more hours per week, and in addition, retirees on Company pension, are eligible for concession telephone service, provided they reside in an exchange area operated by the Company.

.2 The concession allowance applies to Residential Primary Service, Extension Service, and associated installation, change, and color charges. Other telephone services will be provided at the established catalog rate.

.3 The primary listing is permitted only in the name of the employee or retiree. An extra listing for other members of the employee's or retiree's family may be obtained at the regular catalog rate.

.4 A concession rate of 50% for service as outlined in Paragraph 20.2 may be allowed.

21. SPECIAL OR EXPERIMENTAL ASSEMBLIES OF EQUIPMENT

.1 Because inventions, innovations and equipment modifications frequently change services that may be offered, as will customer demands for services, the Company reserves the right, at its option, to offer any such services not covered by rates in this to its customers initially at rates developed on a carrying-charge basis. Subsequently, after experience in maintenance, customer demand, etc., has been gained by the Company, formal rates and charges will be filed with the Commission. This paragraph shall include items of a special service nature within the Company's exchanges, which are not covered by existing special service agreements with other telephone companies.

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22. DUAL PARTY RELAY SERVICE

.1 Concurrence in Regulations and Charges of the Illinois Telecommunications Access Corporation.

.1.1 Frontier North Inc. concurs in the Rates, Rules, and Regulations governing: (1) intrastate Telecommunications Provisions for the Hearing- and Voice-Impaired as filed by the Illinois Telecommunications Access Corporation in its Ill. C. C. No. 3 tariff; (2) intrastate Telecommunications Provisions for the Deaf and Severely Hearing-Impaired for Dual Party Relay Service as filed by the Illinois Telecommunications Access Corporation in its Ill. C. C. No. 4 tariff.

.1.2 Frontier North Inc. extends this concurrence to any and all changes which may be made subsequent to this date by the Illinois Telecommunications Access Corporation in its Ill. C. C. No. 3 and Ill. C. C. No. 4 tariffs.

.1.3 Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any time.

.2 ITAC Supplemental Charge

.2.1 ITAC Supplemental Charge Pursuant to the Order dated April 21, 2022, of the Illinois Commerce Commission in Docket No. 20-0170, the Company will continue to impose a supplemental charge of 2 cents per month per line for all Illinois telecommunications carriers, including wireless carriers (other than prepaid wireless carriers) and VOIP residential subscriber lines, a charge of 0.4 cents per VOIP business subscriber lines, a charge of 0.4 cents per line for all Centrex lines and a charge of 10 cents per PBX trunk. Charges for services provisioned by T-1 lines and other advanced multichannel services shall mirror Frontier Communications of Illinois, Inc. application of 911 charges. The assessment on prepaid wireless transactions is established at 0.07% of prepaid retail transactions, to be implemented by the Illinois Department of Revenue. These charges became effective with bills rendered on or after July 1, 2019 or at the beginning of the first cycle after July 1, 2019. (C)

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23. DEMARCATION POINT

.1 General

.1.1 All central office lines shall terminate at the location of the Network Point of Presence (NETPOP) or its equivalent as described following.

.1.2 Certain channel and other services require the use of Network Channel Terminating Equipment to meet the transmission requirements of the particular service as described following.

.2 Description

.2.1 One NETPOP will be located per property. In the case of multiple buildings on a single property, one NETPOP will be located in or on only one such building on the property.

.2.2 The NETPOP will normally be located within 25 feet of the point at which the network cable enters the building. The NETPOP is the point where the Company's network facilities terminate and the Company's responsibility for installing and maintaining facilities ends. Facilities on the customer's side of the NETPOP are not subject to the provisions of this catalog unless specifically indicated.

.2.3 The NETPOP will normally be installed externally for one and two line customers in single customer residence and commercial buildings. This applies to all installations except where an existing inside network interface device is in place.

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23. DEMARCATION POINT (Cont'd)

.2 Description (Cont'd)

.2.4 While only one NETPOP is provided as described preceding, an Additional Point of Presence (APOP), having the operational attributes of a NETPOP, may, with the concurrence of the Company, be provided upon request subject to all of the following conditions.

a. The entrance facility to the APOP will pass through the NETPOP location but does not have any physical termination at the NETPOP location.

b. The customer provides a route and support structure suitable to the Company for the entrance facility.

c. Provision of an APOP is subject to special construction charges (including charges for ongoing maintenance or rearrangements).

d. The provision of an APOP would not promote inefficient utilization of Company network distribution facilities.

e. Except for the provisions of this paragraph, references to a NETPOP are also applicable to an APOP.

.2.5 The equipment provided by the Company at a NETPOP or APOP location as the physical interface between network and building facilities is the Standard Network Interface (SNI). The specific SNI equipment used and the order of appearance of network lines on it shall be determined by the Company. The SNI may include a one or two pair modular jack, one or more 25 pair ribbon connectors or comparable interface hardware.

.2.6 Facility arrangements in place as of the effective date of this catalog will be considered as a NETPOP, APOP or SNI, as appropriate, and are subject to the provisions of this paragraph.

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23. DEMARCATION POINT (Cont'd)

.3 Placement of the NETPOP

.3.1 For New Service

For all telecommunications services, unless specifically excluded by individual regulations, installed on and after the effective date of this Catalog, the following conditions apply to the placement of the SNI at the NETPOP.

a. The SNI will be installed at the end of a central office line for new service in the following circumstances:

a.1 Service was not previously provided to the building; or

a.2 The service request requires placement of additional network facilities to the NETPOP; or

a.3 The Company otherwise determines that SNI should be installed.

.3.2 When customers choose to locate their equipment at a point other than at the Company's NETPOP or equivalent location, the customers may provide wire on their own side of the NETPOP subject to the applicable provisions of this Catalog, 83 Illinois Administrative Code Part 740 and the FCC Part 68 Rules.

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24. TELEPHONE DIRECTORIES

.1 The Company shall annually distribute one copy of each directory to each customer served by that directory. Any additional directories or information requested by a customer will be furnished without additional charge where in the opinion of the Company such provision will lend more efficient use of the service. Upon request, the Company will furnish directories for up to five other exchanges in the same Numbering Plan Area (Area Code) for each main station line servicing a customer, at no cost to the customer.

.2 Additional directories will be furnished by the Company at the rates shown below:

Exchange	Charge	Exchange	Charge
Albers - See Greater St. Clair		Baylis - See Pittsfield	
Albion - See Mount Carmel		Beaverville - See Sheldon	
Alexander - See Jacksonville		Bellflower - See Bloomington	
Allendale - See Mount Carmel		Bellmont - See Mount Carmel	
Alvin - See Hoopeston-Rossville		Belvidere-Rockford	$44.20
Amboy - See DeKalb-Rochelle		Bement - See Monticello	
Anna	$49.10	Benson - See Minonk	
Annapolis - See Little Wabash River Regional		Benton - See West Frankfort	
		Bethany - See Sullivan	
Apple Canyon - See Freeport Area Wide		Birds - See Little Wabash River Regional	
Apple River - See Freeport Area Wide		Bismarck - See Hoopeston-Rossville	
Argenta - See Monticello		Bloomington	$49.10
Arrowsmith - See Bloomington		Bluffs - See Jacksonville	
Ashkum - See Sheldon		Bradford - See Kewanee	
Ashton - See DeKalb-Rochelle		Bridgeport - See Lawrenceville	
Astoria - See Macomb		Brimfield - See Chillicothe	
Atlanta - See Lincoln		Broadlands - See Tuscola	
Auburn - See Virden		Brocton - See Paris	
Ava - See Sparta		Brookport - See Metropolis	
Barry - See Pittsfield			

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge	Exchange	Charge
Buckley - See Paxton		Chauncey - See Little Wabash River Regional	
Buda - See Kewanee		Chebanse - See Sheldon	
Bureau - See Princeton		Chenoa - See Pontiac-Livingston Co Area	
Burnt Prairie - See Fairfield		Cherry Valley - See Belvidere	
Bushnell - See Macomb		Chester - See Sparta	
Byron - See Belvidere		Chillicothe	$36.70
Cabery - See Pontiac-Livingston Co Area		Chrisman - See Paris	
Calhoun - See Little Wabash River Regional		Christopher - See West Frankfort	
Camp Grove - See Kewanee		Cisco - See Monticello	
Camp Point - See Mount Sterling		Claremont - See Olney	
Campus - See Pontiac-Livingston Co Area		Clay City - See Flora	
Capron - See Belvidere		Clayton - See Mount Sterling	
Carbondale	$49.10	Clifton - See Sheldon	
Carlock - See Bloomington		Clinton	$31.70
Carmi	$31.70	Cobden - See Anna	
Carrier Mills - See Harrisburg		Colfax - See Bloomington	
Carrollton	$31.70	Compton - See Mendota	
Carterville - See Marion		Coulterville - See Sparta	
Castleton - See Kewanee		Creal Springs - See Marion	
Cedar Point - See Granville		Creston - See DeKalb-Rochelle	
Cedarville - See Freeport Area Wide		Cropsey - See Bloomington	
Cerro Gordo - See Monticello		Cuba - See Macomb	
Chapin - See Jacksonville		Cypress - See Metropolis	
Chatham - See Virden		Dakota - See Freeport Area Wide	
Chatsworth - See Pontiac-Livingston Co Area		Dalton City - See Sullivan	
		Davis - See Freeport Area Wide	
		DeKalb-Rochelle	$40.30

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge	Exchange	Charge
De Land - See Monticello		Eureka - See Washington	
De Soto - See Carbondale		Evansville - See Sparta	
Divernon - See Virden		Ewing - See West Frankfort	
Dongola - See Anna		Fairbury - See Pontiac-Livingston Co Area	
Donovan - See Sheldon		Fairfield	$31.70
Dover - See Princeton		Farmer City - See Clinton	
Downs - See Bloomington		Fayetteville - See Greater St. Clair	
Du Quoin - See Sparta		Flora	$31.70
Dundas - See Little Wabash River Regional		Forreston - See Freeport Area Wide	
		Franklin - See Jacksonville	
Dunlap - See Chillicothe		Franklin Grove - See DeKalb-Rochelle	
Durand - See Freeport Area Wide		Freeport-Monroe Area Wide	$40.30
Earlville - See Mendota		Galva - See Kewanee	
Edelstein - See Chillicothe		Garden Prairie - See Belvidere	
Eldorado - See Harrisburg		Genoa - See DeKalb-Rochelle	
Eldred - See Carrollton		German Valley - See Freeport Area Wide	
Elizabeth - See Freeport Area Wide			
Elkhart - See Lincoln		Girard - See Virden	
Elkville - See Sparta		Golconda - See Metropolis	
Elliott - See Paxton		Goreville - See Marion	
Ellis Grove - See Sparta		Grand Ridge - See Streator	
Ellsworth - See Bloomington		Grand Tower - See Carbondale	
Elmira - See Kewanee		Granville	$31.70
Elmwood - See Chillicothe		Grayville - See Carmi	
Elwin - See Sullivan		Greater Rockford.	$44.20
Emington - See Pontiac-Livingston Co Area		Greater St. Clair	$36.70
		Greenfield - See Carrollton	
Enfield - See Carmi		Griggsville – See Pittsfield	

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EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge	Exchange	Charge
Groveland - See Morton		Hillview - See Carrollton	
Hammond - See Monticello		Hinckley - See DeKalb-Rochelle	
Hanover - See Freeport Area Wide		Homer - See Tuscola	
Hardinville - See Little Wabash River Regional		Hoopeston-Rossville	$34.20
Harrisburg	$49.10	Hopedale - See Bloomington	
Hebron - See Wonder Lake		Hudson - See Bloomington	
Hecker - See Greater St. Clair		Hull - See Pittsfield	
Hennepin - See Princeton		Hurst - See Marion	
Henning - See Hoopeston-Rossville		Hutsonville - See Little Wabash River Regional	
Henry - See Chillicothe		Illiopolis - See Clinton	
Herrin - See Marion		Jacksonville	$36.70
Heyworth - See Bloomington		Johnston City - See Marion	
Highland-Alhambra	$31.70	Joppa - See Metropolis	
		Karnak - See Metropolis	
		Kenney - See Clinton	
		Kewanee	$31.70
		Kirkland - See DeKalb-Rochelle	
		Ladd - See Princeton	
		LaMoille - See Princeton	
		LaPlace - See Monticello	
		LaRose - See Minonk	
		Lawrenceville	$31.70

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge
Leland - See Mendota	
Lena - See Freeport Area Wide	
LeRoy - See Bloomington	
Lexington - See Bloomington	
Lincoln	$36.70
Literberry - See Jacksonville	
Little Wabash River Regional	$31.70
Loami - See Jacksonville	
Loda - See Paxton	
Long Point - See Streator	
Lostant - See Streator	
Low Point - See Minonk	
Mackinaw - See Morton	
Macomb	$31.70
Macon - See Sullivan	
Magnolia - See Streator	
Mahomet - See Monticello	
Malta - See DeKalb-Rochelle	
Manchester - See Carrollton	
Manlius - See Princeton	
Mansfield - See Monticello	
Maple Park - See DeKalb-Rochelle	
Marion	$54.00
Marissa - See Sparta	
Maroa - See Clinton	
Marshall Neighborhood	$29.20
Martinton - See Sheldon	
Mascoutah - See Greater St. Clair	
Massbach - See Freeport Area Wide	
Maunie - See Carmi	
McConnell - See Freeport Area Wide	
McLean - See Bloomington	
McLean County - See Bloomington	
McLeansboro - See Carmi	
Melvin - See Paxton	
Mendota	$34.20
Meredosia - See Jacksonville	
Metcalf - See Paris	
Metropolis	$44.20
Middletown-New Holland - See Lincoln	

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge	Exchange	Charge
Millstadt - See Greater St. Clair		North Winslow - See Freeport Area Wide	
Milton - See Pittsfield		Odell - See Pontiac-Livingston Co Area	
Mineral - See Kewanee		Ohio - Princeton	
Minier - See Bloomington		Okawville – See Greater St. Clair	
Minonk	$31.70	Olney	$29.20
Monroe Center - See DeKalb-Rochelle		Omaha - See Norris City	
Monticello	33.00	Orangeville - See Freeport Area Wide	
Morton	$36.70	Oreana - See Monticello	
Mossville - See Chillicothe		Oregon - See DeKalb-Rochelle	
Mount Carmel	$31.70	Palestine - See Little Wabash River Regional	
Mount Morris - See DeKalb-Rochelle		Palmyra - See Virden	
Mount Sterling	$31.70	Paris	$31.70
Mt. Zion - See Sullivan		Parkersburg - See Little Wabash River Regiona	
Murphysboro - See Carbondale		Patterson - See Carrollton	
Murrayville - See Jacksonville		Paulton - See Norris City	
Neponset - See Kewanee		Paw Paw - See Mendota	
New Baden - See Greater St. Clair		Pawnee - See Virden	
New Berlin - See Jacksonville		Paxton	$31.70
New Canton - See Pittsfield		Pearl - See Pittsfield	
New Haven - See Norris City		Pearl City - See Freeport Area Wide	
New Milford - See Belvidere		Pecatonica - See Freeport Area Wide	
Newman - See Tuscola		Percy - See Sparta	
Newton	$31.70	Perry - See Pittsfield	
Niantic - See Clinton			
Noble - See Olney			
Norris City	$31.70		
North Apple River - See Freeport Area Wide			
North Warren - See Freeport Area Wide			

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge	Exchange	Charge
Pinckneyville - See Sparta		Sailor Springs - See Little Wabash River Regional	
Piper City - See Pontiac-Livingston Co Area		St. Francisville – See Lawrenceville	
Pittsfield	$31.70	Sandwich - See Mendota	
Pleasant Hill - See Pittsfield		Saybrook - See Bloomington	
Pleasant Plains – See Jacksonville		Scales Mound - See Freeport Area Wide	
Pontiac-Livingston Co Area	36.70	Sesser - See West Frankfort	
Poplar Grove - See Belvidere		Seward - See Freeport	
Prairie City - See Macomb		Shabbona - See DeKalb-Rochelle	
Princeton	$34.20	Shawneetown - See Harrisburg	
Princeville - See Chillicothe		Sheffield - See Princeton	
Putnam - See Granville		Sheldon	$31.70
Raleigh - See Norris City		Sheridan - See Mendota	
Reddick - See Pontiac-Livingston Co Area		Sherman - See Lincoln	
Redmon - See Paris		Shirland - See Belvidere	
Richmond - See Wonder Lake		Sibley - See Paxton	
Ridgway - See Harrisburg		Sidell - See Tuscola	
Roanoke - See Minonk		Sidney - See Tuscola	
Roberts - See Paxton		Somonauk - See Mendota	
Robinson	$31.70	Sparland - See Chillicothe	
Rochelle - See DeKalb-Rochelle		Sparta	$49.10
Rock Cut - See Belvidere		Spring Grove - See Wonder Lake	
Rockport - See Pittsfield		Spring Valley - See Princeton	
Rockton - See Belvidere		Stanford - See Bloomington	
Roodhouse - See Carrollton		Steward - See DeKalb-Rochelle	
Roscoe - See Belvidere		Steeleville - See Sparta	
Rose Hill - See Newton		Stillman Valley - See Belvidere	
Rossville – See Hoopeston-Rossville		Stockton - See Freeport Wide Area	
Royalton - See Marion		Stonefort - See Harrisburg	
Rutland - See Streator			

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24. TELEPHONE DIRECTORIES (Cont'd)

.2 Additional directories will be furnished by the Company at the rates shown below: (Cont'd)

Exchange	Charge
Strawn - See Pontiac-Livingston Co Area	
Streator	$34.20
Sublette - See DeKalb-Rochelle	
Sullivan	$33.00
Summerfield - See Greater St. Clair	
Sumner - See Lawrenceville	
Sunnyland - See Washington	
Sycamore - See DeKalb-Rochelle	
Thawville - See Paxton	
Thompsonville - See West Frankfort	
Tilden - See Sparta	
Tiskilwa - See Princeton	
Toluca - See Streator	
Toulon - See Kewanee	
Tremont - See Morton	
Tuscola	$31.70
Ullin - See Anna	
Varna - See Minonk	
Vermilion - See Paris	
Vermont - See Bushnell	
Versailles - See Mount Sterling	
Vienna - See Metropolis	
Villa Grove - See Tuscola	
Villa Ridge - See Anna	
Virden	$31.70
Walnut - See Princeton	
Warren - See Freeport Wide Area	
Warrensburg - See Clinton	
Washburn - See Minonk	
Washington	$36.70
Waterman - See DeKalb-Rochelle	
Waverly - See Jacksonville	
Wayne City - See Fairfield	
Waynesville - See Clinton	
Weldon - See Clinton	
Wenona - See Streator	
Wendelin - See Little Wabash River Regional	
West Brooklyn - See Mendota	
West Salem - See Little Wabash River Regional	
West Frankfort	$49.10
West Union - See Paris	
Westport - See Lawrenceville	
Westview - See Greater St. Clair	
White Hall - See Carrollton	
Williamsville - See Lincoln	
Willow Hill - See Newton	
Winchester - See Jacksonville	
Winnebago - See Belvidere	
Winslow - See Freeport Area Wide	
Wonder Lake	$34.20
Woodson - See Jacksonville	
Wyanet - See Princeton	
Wyoming - See Kewanee	
Zeigler - See West Frankfort	

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24. TELEPHONE DIRECTORIES (Cont'd)

.3 Directories regularly furnished to customers are the property of the Company, are loaned to customers only as an aid to the use of the telephone service and are to be returned to the Company upon request. Customers must not deface or mutilate directories. The Company shall have the right to charge for directories issued in replacement of directories destroyed, defaced or mutilated while in possession of the customer.

.4 The Company is not liable for errors or omissions in the assembling or printing of its directories except in the case of charge listings, in connection with which its liability shall be limited to a refund at the monthly rate for each listing for the time an error or omission continues after reasonable notice in writing to the Company.

.5 Each customer subscribing to the connection of facilities furnished by the Company with customer-provided terminal equipment or communication systems will be furnished directories in accordance with the conditions set forth in 24 preceding.

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25. OBLIGATION AND LIABILITY OF THE COMPANY

.1 Liability of the Company

.1.1 Transmitting Messages

a. The Company does not transmit messages, but offers the use of its facilities, where available, for communications between parties, subject to the Regulations and Conditions specified in this Catalog.

b. The customer indemnifies and saves the Company harmless against the following:

b.1 Acts or omissions of other companies when their facilities are used in connection with the Company's facilities to provide service.

b.2 Any defacement or damage to the customer's premises resulting from the existence of the company's service, or from the installation or removal thereof, when such defacement or damage is not the result of negligence of the Company or its employees.

b.3 Any accident, injury or death occasioned by its equipment or facilities when such is not due to negligence of the Company.

b.4 Claims for libel, slander or infringement of copyright arising from the material transmitted or recorded over its facilities; claims for infringement of patents arising from, combining with, or using in connection with, facilities of the Company, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Company.

b.5 Liability for failure to provide service.

b.6 Liability for telephone directories is covered elsewhere in this section.

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26. CHANGE OF LOCAL SERVICE PROVIDER CHARGES

The term "change in local service provider" applies to residence and/or business customers who first requested that their local service(s) be provided by a local service provider other than Frontier North Inc. and who then request that Frontier North Inc. again provide their local service.

At the time of the restoral of the customers' local service by Frontier North Inc., the nonrecurring charges as specified in Section 4 of this Catalog will apply. In addition, the terms and conditions normally associated with a request for new service, as specified in this Section of the Catalog, will apply.

Frontier North Inc. will make every reasonable effort to ensure that there is no lapse in the customer's service.

27. UNAUTHORIZED LOCAL SERVICE PROVIDER CHARGES

The term "unauthorized change of local service provider" is a change in the preferred local service provider that the end user denies authorizing.

If an end user denies authorizing a change in his/her local service provider, as submitted by the alleged unauthorized local service provider, the alleged unauthorized local service provider will be assessed the nonrecurring charges, as specified in Section 4 of this Catalog, to restore the customer's service(s) as they existed prior to the alleged unauthorized change, including the customer's PIC and LPIC choices.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized local service provider is ultimately exonerated of liability, the alleged unauthorized local service provider is entitled to receive full payment from the end user for all services provided. In such situations, any nonrecurring charges assessed against the alleged unauthorized local service provider by Frontier North Inc. are subject to rebilling to the end user by the alleged unauthorized local service provider.

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28. ADVANCED CREDIT MANAGEMENT

.1 Advanced Credit Management is a process whereby the Company will establish credit limits for new and existing customers. The Company will utilize Credit Scoring for new customers and Behavioral Scoring for existing customers where technical capabilities exist.

.2 Credit Scoring will be provided through the use of a third-party credit reporting service for new service requests. The credit rating will screen accounts to determine the possible need for a deposit and establish a credit limit for a combination of local service and toll usage. The credit limit will be based initially on a credit score assigned by a commercial credit reporting service or applicant provided credit history based on previous service from another LEC. The credit limit will be adjusted periodically as a result of the customer's payment history. Customers will be informed of their credit limits during the application process. The account credit limit will appear on the first bill and on any subsequent bill in the billing cycle in which a customer's credit limit is automatically changed. Changes in credit limits will be conveyed by mailed notices to the customers.

.3 Credit levels and credit limits as a result of the scoring will be categorized as follows:

.3.1 Low Risk—No Credit Limit

No Collection judgments
No collection accounts
No charge off accounts
No delinquency history over 30 days past due

.3.2 Medium Risk--$ 300.00 (residential)/ $ 800.00 (business)

No collection judgments
Collection accounts have been paid
No or minimal charge off accounts
Various degrees of delinquency history from 30-180 days,
but paid in full or current at time of scoring
Customer provides positive identification to Company
Following a "No Match" on a credit inquiry

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28. ADVANCED CREDIT MANAGEMENT (Cont'd)

.3 Credit levels and credit limits as a result of the scoring will be categorized as follows: (Cont'd)

.3.3 High Risk--$ 200.00(residential)/ $ 500.00(business)

Collection judgments
Charge off accounts
Outstanding collection accounts
Various degrees of delinquency history from 30-180 days,
and not paid in full or current at time of scoring

.4 Behavioral Scoring will establish credit limits on existing customers based on Company payment history. Customers will be notified of their initial credit limit amount and subsequent credit limit changes through credit limit notices mailed to the billing address. A behavioral score will be established and maintained on each customer when the program is initiated and/or after service has been established. The behavioral scoring will be updated monthly, based on billing and payment behavior during the preceding six to twelve months.

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28. ADVANCED CREDIT MANAGEMENT (Cont'd)

.5 Behavioral Scoring levels and credit limits as a result of the scoring will be categorized as follows:

.5.1 Low Risk--No Credit Limit
No dishonored checks during the past 12 months
No service denials due to non-payment during the preceding 12 months

.5.2 Medium Risk--$ 300.00 Residential/ $ 800.00 Business
No more than 2 NSF checks for telephone bill payments during the preceding 12 months
No more than 1 service denial due to non-payment during the preceding 12 Months

.5.3 High Risk--$ 200.00 Residential/ $ 500.00 Business
hree or more NSF checks for telephone bill payments during the preceding 12 months
Two or more service denials due to non-payment during the preceding 12 months

.6 When a high-risk customer exceeds the established credit limit, notice will be sent allowing eight days to make payment arrangements or access to 1+, O+, and all 900/976/700 calls will be blocked where facilities are available. Where facilities are not available, the Company will issue a Notice of Credit Limit Exceeded as set forth in paragraph 28.7 following. Payment of the minimum amount due will prevent the account from being toll blocked. If blocking occurs, the Company will also restrict all collect, credit card and third number bill calls. Access to the local calling area and emergency services will not be blocked including any numbers that are toll in order to reach fire, police and ambulance services in areas not served by a 9-1-1 system. A recording will advise the customer that blocking has been imposed when dialing or billing attempts are initiated. A recording will advise the customer and provide a telephone number where they may receive directions for service restoral. A reconnect charge is not applicable when the customer's toll service is unblocked.

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28. ADVANCED CREDIT MANAGEMENT (Cont'd)

.7 CREDIT LIMIT NOTICE

CREDIT LIMIT NOTICE

ACCOUNT ID EFFECTIVE DATE

TELEPHONE NUMBER

PREVIOUS CREDIT LIMIT:
YOUR NEW CREDIT LIMIT:

THIS NOTICE IS FOR YOUR INFORMATION ONLY.

NO ACTION ON YOUR PART IS NECESSARY.

Like the majority of businesses, which extend credit to customers, Frontier North Inc., now establishes credit limits. In the event that a credit limit is exceeded on an account, Frontier North Inc., will assist in bringing the account back into a specified credit range, by initiating a long distance block on direct dialed (1+) calls, Frontier North Inc., Calling Card Calls, Collect calls, and Third Number Billed calls. This is referred to as "Toll Blocking". A Toll Block status will not affect your access to dialing local numbers, toll free numbers, or emergency services. A written notification will be sent prior to any Toll Block activity.

Your payment records will be reviewed monthly to determine if you qualify for a change in your credit limit status. As long as your account is current and does not exceed the credit limit no action will be taken by Frontier North Inc.

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28. ADVANCED CREDIT MANAGEMENT (Cont'd)

.8 NOTICE OF CREDIT LIMIT EXCEEDED

NOTICE OF CREDIT LIMIT EXCEEDED

ACCOUNT ID EFFECTIVE DATE

TELEPHONE NUMBER FINAL DATE FOR PAYMENT

You have exceeded the credit limit currently authorized for this account.

TOLL BLOCK CHARGES FROM LAST BILL
TOTAL PAYMENTS ADJUSTMENTS
UNBILLED LONG DISTANCE USAGE

CURRENT TOLL BLOCK BALANCE
ACCOUNT CREDIT LIMIT
AMOUNT OVER YOUR CREDIT LIMIT

AMOUNT DUE.....

PLEASE MAIL YOUR PAYMENT TODAY OR CONTACT OUR OFFICE FOR THE NEAREST IN PERSON PAYMENT LOCATION. ALSO, IF PAYMENT CANNOT BE MADE IN FULL, PLEASE CONTACT OUR OFFICE TODAY.

PLEASE BRING THE ENTIRE NOTICE WHEN PAYING IN PERSON

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT PAYABLE TO FRONTIER NORTHI INC.

TELEPHONE NUMBER
AMOUNT REQUIRED
FINAL DATE FOR PAYMENT

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28. ADVANCED CREDIT MANAGEMENT (Cont'd)

.9 TOLL BLOCKING WARNING NOTICE

TOLL BLOCKING WARNING NOTICE

ACCOUNT ID EFFECTIVE DATE

TELEPHONE NUMBER FINAL DATE FOR PAYMENT

You have exceeded the credit limit currently authorized for this account. Failure to pay the minimum amount due by the final date for payment may result in blocking of your long distance access.

TOLL BLOCK CHARGES FROM LAST BILL
TOTAL PAYMENTS/ADJUSTMENTS
UNBILLED LONG DISTANCE USAGE

CURRENT TOLL BLOCK BALANCE
ACCOUNT CREDIT LIMIT
AMOUNT OVER YOUR CREDIT LIMIT

AMOUNT DUE

PLEASE MAIL YOUR PAYMENT TODAY OR CONTACT OUR OFFICE FOR THE NEAREST IN PERSON PAYMENT LOCATION. ALSO, IF PAYMENT CANNOT BE MADE IN FULL, PLEASE CONTACT OUR OFFICE TODAY.

PLEASE BRING THE ENTIRE NOTICE WHEN PAYING IN PERSON

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT PAYABLE TO FRONTIER NORTH INC.

TELEPHONE NUMBER
AMOUNT REQUIRED
FINAL DATE FOR PAYMENT

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29. TERMINATION LIABILITY

.1 In the event the service is terminated by the customer prior to completion of the current term commitment period, the customer shall be liable for an early termination charge, except as noted below. The amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

25% X MRC X # of Lines/Channels/Paths X Remainder of Term = Termination Charge

.2 Early termination charges will apply only to those rate elements under a term commitment period. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the customer may terminate the service without incurring an early termination charge.

.3 End of Term Options

.3.1 Prior to the end of the term commitment period, the customer may select one of the following options, to be effective at the end of the term:

a. Renew their term commitment,
b. Commit to a new term period,
c. Arrange for a change of service, or
d. Arrange for termination of the service.

.3.2 In the event the customer does not select one of the above options, the customer will be converted to the shortest-term period available under the catalog(i.e., month-to-month, one year, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the customer terminates the service within sixty (60) days of the conversion date.

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29. TERMINATION LIABILITY (Cont'd)

.4 Early termination charges will not be assessed under the following circumstances:

.4.1 Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

.4.2 Customer attempts to move the existing service to a new location within Company's service area, but the service is unavailable;

.4.3 Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

.4.4 Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:

a. The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,

b. The Company provides the new service via catalog or on an individual case basis (ICB), and

c. The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

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30. CUSTOMER CREDITS

.1 General

This Paragraph addresses basic local exchange service quality standards, rules and applicable customer credits in compliance with 83 Ill. Adm. Code 732.

.2 Definitions

Advanced Telecommunications Service - Advanced telecommunications service means without regard to any transmission media or technology high-speed, switched, broadband telecommunications capability that enables users to originate and receive high-quality voice, data, graphics, and video telecommunications using any technology.

Alternative Telephone Service - Alternative telephone service means, except where technically impracticable, a wireless telephone capable of making local calls, and may also include, but is not limited to, call forwarding, voice mail, or paging services.

Appointment - Appointment means an arrangement made by a telecommunications carrier to meet a customer within an agreed four (4) hour window at the customer's premises to perform work on the network.

Basic Local Exchange Service - Basic local exchange service means residential and business lines used for basic local exchange telecommunications service as defined in Section 13-204 of the Public Utilities Act and includes, but is not limited to, residential and business single line service, PBX trunks, and Customized Multiline Telephone Service lines. The term "Basic Local Exchange Service" specifically does not include vertical services, Company official lines, records work only or services that employ advanced telecommunications capability as defined in Section 706(c)(1) of the Federal Telecommunications Act of 1996, including, but not limited to ISDN, DSL, FX, T1, and DS3.

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30. CUSTOMER CREDITS (Cont'd)

.2 Definitions (Cont'd)

Basic Local Exchange Service Installation - Basic local exchange service installation means the installation of basic local exchange service whereby the physical connecting and diagnostic testing of a local loop results in the provisioning of dial tone to the requesting customer's network interface device. It includes move orders and orders for additional lines.

Customer - Customer means any person, building owner, firm, partnership, corporation, municipality, cooperative, organization, governmental agency, etc., provided with local exchange telecommunications services as defined in Section 13-204 of the Public Utilities Act. "Customer" may also be referred to as "end user."

Emergency Situation - Emergency situation means a single event that causes an interruption of service or installations affecting end users of the Company. The emergency situation shall begin with the first end user whose service is interrupted by the single event and shall end with the restoration of the service of all affected end users. The term "single event" shall include:

A declaration made by the applicable state or federal governmental agency that the area served by the Company is either a state or federal disaster area; or

An act of third parties, including acts of terrorism, vandalism, riot, civil unrest, war, or acts of parties that are not agents, employees or contractors of the Company, or the first 90 calendar days of a strike or other work stoppage; or

A severe storm, tornado, earthquake, flood or fire, including any severe storm, tornado, earthquake, flood or fire that prevents the Company from restoring service due to impassable roads, downed power lines, or the closing off of affected areas by public safety officials.

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30. CUSTOMER CREDITS (Cont'd)

.2 Definitions (Cont'd)

Emergency Situation (Cont'd)

The term "emergency situation" does not include:

A single event caused by high temperature conditions alone; or

A single event caused or exacerbated in scope and duration by acts or omissions of the Company, its agents, employees or contractors or by the condition of its facilities, equipment, or premises owned or operated by the Company; or

Any service interruption that occurs during a single event listed in above, but not caused by those single events; or

A single event that the Company could have reasonably foreseen and taken precaution to prevent. However, in no event shall the Company be required to undertake precautions, which are technically infeasible or economically prohibitive.

Monthly Recurring Charge - Monthly recurring charge means monthly access/usage rate, end user common line charge and Catalog vertical services.

Out of Service - Out of Service means that, after reporting an out-of-service condition to the Company, the customer still has no dial tone, cannot be called, or cannot call out. This defined term excludes call blocking or any other intentional alteration to an end user's calling or call receiving ability.

Pro Rata - Pro rata means 1/30th of a bill in a 30-day month.

Repair – Repair means the restoration of out-of-service conditions as well as correction of service-affecting conditions in the network.

Vertical Services - Vertical services means optional telecommunication services including, without limitation, Caller ID or Call Waiting, which a customer may choose to have added to their basic local exchange service.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

30. CUSTOMER CREDITS (Cont'd)

.3 Frontier North Inc., Commitments

.3.1. Local Exchange Service Installation Commitment

Frontier North Inc. is committed to the installation of basic local exchange service within five (5) business days after receipt of an order from a customer unless the customer requests an installation date that is beyond five (5) business days after placing the order for basic local exchange service. If installation of service is requested on or by a date more than 5 business days in the future, Frontier North Inc., will install service by the date requested. If the Company fails to meet this commitment, credit will be issued pursuant to Paragraph .4.1 following.

.3.2. Out-of-Service Repair Commitment

Frontier North Inc. is committed to the restoration of basic local exchange service for a customer within 24 hours of receiving notice that a customer is out of service. If the Company fails to meet this commitment, credit will be issued pursuant to Paragraph .4.2 following.

.3.3. Commitment to Keep Appointments

Frontier North Inc. is committed to keep all repair and installation appointments for basic local exchange service when a customer premises visit requires a customer to be present. If the Company fails to meet this commitment, credit will be issued pursuant to Paragraph .4.3 following, unless the Company has provided the customer with 24-hour advance notice of its inability to keep the appointment. 24-hour notice will be deemed to have been met if the customer is contacted by noon the preceding day for an AM appointment and by 5:00 PM the preceding day for a PM appointment.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

30. CUSTOMER CREDITS (Cont'd)

.4 Customer Credits for Missed Frontier North Inc., Commitments

Frontier North Inc. will provide credit to any customer whenever the Company fails to install or repair service pursuant to Paragraph .3 preceding. Credits provided to customers, when applicable, will be applied on the statement issued to the customer for the next monthly billing cycle following the Frontier North Inc., Commitment that was missed or following the discovery of a Frontier North Inc., Commitment that was missed. The credits will be as shown below:

.4.1 Customer Credits – Installation

If Frontier North Inc., fails to install basic local exchange service within five (5) business days, pursuant to Paragraph .3.1 preceding, the Company will provide the affected customer with a credit of 50% of any regulated network installation charges.

If Frontier North Inc., fails to install the service within ten (10) business days after the service application is placed or fails to install service within five (5) business days after the customer's requested installation date (if the requested date was more than 5 business days after the date of the order), the Company will provide the affected customer with a credit of 100% of the regulated network installation charges.

For each day that the failure to install service continues beyond the initial ten (10) business days or beyond five (5) business days after the customer's requested installation date (if the requested date was more than five (5) business days after the date of the order), Frontier North Inc., will also provide the customer with either alternative telephone service as defined in Paragraph .3.1 preceding or an additional credit of $20 per day, at the customer's option, until such time as the service is installed.

When alternative telephone service is appropriate, the customer may select one of the following alternative services offered by the Company at no charge:

Wireless Telephone with the ability to dial local calls
Fixed Call Forwarding
Voice Mail
Additional $20 per day credit

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

30. CUSTOMER CREDITS (Cont'd)

.4 Customer Credits for Missed Frontier North Inc., Commitments (Cont'd)

.4.1 Customer Credits – Installation (Cont'd)

In the absence of an election by the customer, the customer shall be given the additional $20 credit per day.

This Frontier North Inc., obligation does not apply in conditions set forth in Paragraph .4.4 following.

.4.2 Customer Credits – Out-of-Service Repair

If Frontier North Inc., fails to repair an out-of-service condition for basic local exchange service within 30 hours, the Company will provide the affected customer with a credit according to the following schedule.

a. If the service disruption is for 48 hours or less, the credit will be equal to a pro-rata share of the monthly recurring charges.

b. If the service disruption is for more than 48 hours, but equal to or less than 72 hours, the credit will be equal to 33% of one month's recurring charges. (T)

c. If the service disruption is for more than 72 hours, but equal to or less than 96 hours, the credit will be equal to at least 67% of one month's recurring charges.

d. If the service disruption is for more than 96 hours, but equal to or less than 120 hours, the credit will be equal to one month's recurring charges.

e. For each day or portion thereof that the service disruption continues beyond the initial 120 hour period, Frontier North Inc., will also provide either alternative telephone service or an additional credit of $20 per day.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

30. CUSTOMER CREDITS (Cont'd)

.4 Customer Credits for Missed Frontier North Inc., Commitments (Cont'd)

.4.2 Customer Credits – Out-of-Service Repair (Cont'd)

f. When alternative telephone service is appropriate, the customer may select one of the following alternative services offered by the Company at no charge:

Wireless Telephone with the ability to dial local calls
Call Forward
Voice Mail
Additional $20 per day credit

In the absence of an election by the customer, the customer shall be given the additional $20 credit per day.

This Frontier North Inc., obligation is not applicable to the repair of payphones, to customer requests for a later repair date, or in conditions set forth in Paragraph .4.4 following.

.4.3 Customer Credits – Missed Appointments

If Frontier North Inc., fails to keep a scheduled repair or installation appointment when a customer premises visit requires a customer to be present, the Company will provide the customer with a credit of $25.00 provided the customer was not provided with 24-hour notice, pursuant to Paragraph .3.3 preceding, of the Company's inability to keep the appointment. (T)

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

30. CUSTOMER CREDITS (Cont'd)

.4 Customer Credits for Missed Frontier North Inc., Commitments (Cont'd)

.4.4 Conditions Under Which Customer Credits Do Not Apply

The credits shown in Paragraphs .4.1, .4.2 and .4.3 preceding do not apply if the missed service commitment occurred as a result of any of the following reasons:

a. Interruptions due to the negligence or willful acts on the part of the customer.

b. Interruptions due to the malfunction of customer-owned telephone equipment or inside wiring.

c. Interruptions that occur as the result of, or are extended by, an "emergency situation" as defined by 83 Ill. Adm. Code 732 and in Paragraph .2 preceding, which includes, but is not limited to, any act of a third party.

d. Interruptions that occur as a result of a carrier's inability to gain access to the customer's premises due to the customer missing an appointment, provided that the incident is not further extended by the Company.

e. Interruptions that occur as a result of a customer request to change the scheduled appointment, provided that incident is not further extended by the Company.

f. Interruptions that occur as a result of the Company's right to refuse service to a customer as provided in 83 Ill. Adm. Code Part 735.

g. Interruptions that occur as the result of a lack of facilities where a customer requests service at a geographically remote location, a customer requests service in a geographic area where Frontier North Inc., is not currently offering service, or there are insufficient facilities to meet the customer's request for service, subject to Frontier North Inc's. obligation for reasonable facilities planning.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

31. PROMOTIONS FOR NON-COMPETITIVE SERVICES

.1 A promotional offering is a special program designed to introduce and/or encourage customers to use products and services of Frontier North Inc.

.2 Frontier North Inc. may from time to time offer special promotions of various non-competitive services offered under this catalog in order to attract new customers and/or increase existing customer awareness or usage of the specially-promoted catalog service.

.3 The promotion may offer services at a reduced recurring or nonrecurring rate or offer the services with a waiver of recurring or nonrecurring charges under terms specified in the promotion. The promotion may also offer the customer a premium or gift for subscribing to the promotional service or may offer other non-related services at a discount. Any such waiver or reduction of recurring or nonrecurring charges during such special promotions shall be for a specified time limit.

.4 Customers shall be given appropriate notice of any such offerings through marketing campaigns, advertising, bill messages, bill inserts or direct mailings. A description of each promotion, its duration, and its terms and conditions will be filed with the Commission prior to the start of the promotion.

32. ILLINOIS UNIVERSAL SERVICE FUND

Effective on and after October 1, 2001, a monthly recurring Illinois Universal Service Fund (IUSF) charge will be applied to customer's total intrastate service charges. The rate of this charge will be set pursuant to the process established by the Illinois Commerce Commission's Order in Consolidated Docket Nos. 00-0233 and 00-0335.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

33. DIGITAL DIVIDE ELIMINATION FUND PROGRAM

Digital Divide Elimination Fund Program is created as a special fund in the State Treasury to foster elimination of the Digital Divide. All monies in the Fund will be collected by the Company and reported to the Department of Commerce and Community Affairs, who will issue grants to the various communities based upon their needs.

.1 Customers wishing to participate in the funding of the Program may do so by electing to contribute, on a monthly basis, a fixed amount to be included on the customer's monthly bill. This contribution shall not reduce the customer's total amount due for telecommunications services or other charges appearing on the bill.

.2 This contribution will be a line item on the bill and identified as the Digital Divide Fund.

.3 Customers may elect to contribute $.50, $1.00, $2.00, $5.00, $10.00, $15.00, or $25.00 per month per line.

.4 Customers may elect to discontinue or change the amount of the monthly contribution on their bill at any time upon providing at least 30 days notice by telephone or mail to the Company.

.5 Failure by the customer in any month to remit the entire billed amount may reduce the contribution accordingly.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

34. RESIDENCE CUSTOMER INCENTIVE LANGUAGE

General

The Customer Incentive Program is an offering for potential new residence local exchange customers and to existing residence local exchange customers to encourage the retention or continuation of existing services by those existing customers.

Terms and Conditions

.1 This competitive response offering may be offered to potential new residence local exchange customers. In addition, the Company may provide a retention benefit to any existing residence customer who has retained a service for some period of time.

.2 For a potential new residence customer, the Company may provide an incentive offer no more often than once in any one-year period. In retention situations, the Company may provide an incentive no more often than once in any one-year period with respect to any particular service or feature.

.3 To qualify for these offers, a residence customer is required to have a satisfactory credit rating with the Company.

.4 For a potential new residence local exchange customer, the Company may condition its offers upon the customer remaining with the Company for up to one year. Any minimum period of time shall be identified to the residence customer as part of the offer. In such cases, if the customer terminates service early, the customer may be billed all of the nonrecurring charge(s) and monthly rate(s) waived under this program. The customer is not considered to be opting out if the customer moves to another Company service of equal or greater value.

.5 The recipients of the customer incentive offer, and the amount of the customer incentive offer shall be in the sole discretion of the Company, but the total value of the offer may not exceed the sum set out in Rates and charges following.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

34. RESIDENCE CUSTOMER INCENTIVE LANGUAGE (Cont'd)

Terms and Conditions (Cont'd)

.6 The Company shall determine the particular details, including but not limited to periods and duration, class of customers, services, amounts, and geographic area, so long as each such offer to a particular local exchange residence customer is not inconsistent with the provisions of this Catalog and the amount does not exceed the maximum amount set forth in rates and charges following. The Company may prohibit use of this program in conjunction with another being marketed by the Company and/or a Company affiliate.

.7 Offers may differ based on reasonable criteria, including the following criteria or combinations of criteria below:

(a) The sales channel through which the products are sold.
(b) A specific geographic area.
(c) Existing customers who request to have one or more products disconnected.
(d) Customers who identify a better competitive offer are available to them. Company representatives may present to these customers multiple offers up to the maximum value under rates and charges following.
(e) Such other facts, criteria, and circumstances as the Company believes is a reasonable basis upon which to distinguish among groups of customers.

.8 The Company reserves the right to discontinue this offer.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

34. RESIDENCE CUSTOMER INCENTIVE LANGUAGE (Cont'd)

Rates and Charges

.1 The Customer may be offered one of the following, or the equivalent monetary value, on selected products as determined by the Company:

(a) A waiver of an amount up to 100% of the current residence nonrecurring rate(s) or charge(s), or
(b) A waiver of up to three months of the recurring rate(s) or charge(s), or
(c) A waiver of an amount up to 100% of the current residence nonrecurring rate(s) or charge(s) and up to three months of the recurring rate(s) or charge(s), or
(d) A benefit or consideration offered or provided that is not associated with a service or product offered by the Company such as CPE, merchandise, or discounts on merchandise offered by others, gift certificates, gift cards or otherwise, in the discretion of the Company. In determining the value of noncash offers or benefits, the actual cost incurred by the Company, not to exceed the sum above, shall be used.

.2 The waiver(s) will appear in the form of a credit(s) on the customer's bill. The waiver may be one-time or spread over a period of up to 12 months in a fashion determined by the Company.

.3 Waiver amounts are calculated on the first month's nonrecurring charge(s) and monthly rate(s). The total waived amount will not exceed the value of the total nonrecurring rate(s) or charge(s) plus three months service of the monthly rate(s) or charge(s).

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

35. BUSINESS CUSTOMER INCENTIVE LANGUAGE

General

The Customer Incentive Program is an offering for potential new business local exchange customers and to existing business local exchange customers to encourage the retention or continuation of existing services by those existing customers.

Terms and Conditions

.1 This competitive response offering may be offered to potential new business local exchange customers. In addition, the Company may provide a retention benefit to any existing business customer who has retained a service for some period of time.

.2 For a potential new business customer, the Company may provide an incentive offer no more often than once in any one-year period. In retention situations, the Company may provide an incentive no more often than once in any one-year period with respect to any particular service or feature.

.3 To qualify for these offers, a business customer is required to have a satisfactory credit rating with the Company.

.4 For a potential new business local exchange customer, the Company may condition its offers upon the customer remaining with the Company for up to one year. Any minimum period of time shall be identified to the business customer as part of the offer. In such cases, if the customer terminates service early, the customer may be billed all of the nonrecurring charge(s) and monthly rate(s) waived under this program. The customer is not considered to be opting out if the customer moves to another Company service of equal or greater value.

.5 The recipients of the customer incentive offer, and the amount of the customer incentive offer shall be in the sole discretion of the Company, but the total value of the offer may not exceed the sum set out in Rates and charges following.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

35. BUSINESS CUSTOMER INCENTIVE LANGUAGE (Cont'd)

Terms and Conditions (Cont'd)

.6 The Company shall determine the particular details, including but not limited to periods and duration, class of customers, services, amounts, and geographic area, so long as each such offer to a particular local exchange business customer is not inconsistent with the provisions of this Catalog and the amount does not exceed the maximum amount set forth in rates and charges following. The Company may prohibit use of this program in conjunction with another being marketed by the Company and/or a Company affiliate.

.7 Offers may differ based on reasonable criteria, including the following criteria or combinations of criteria below:

(a) The sales channel through which the products are sold.
(b) A specific geographic area.
(c) Existing customers who request to have one or more products disconnected.
(d) Customers who identify a better competitive offer are available to them. Company representatives may present to these customers multiple offers up to the maximum value under rates and charges following.
(e) Such other facts, criteria, and circumstances as the Company believes is a reasonable basis upon which to distinguish among groups of customers.

.8 The Company reserves the right to discontinue this offer.

REGULATIONS GOVERNING
EXISTING CUSTOMERS, APPLICANTS FOR SERVICE, ESTABLISHING CREDIT,
PAYMENT OF CHARGES, AND DISCONTINUANCE OF SERVICE FOR NONPAYMENT

35. BUSINESS CUSTOMER INCENTIVE LANGUAGE (Cont'd)

Rates and Charges

.1 The Customer may be offered one of the following, or the equivalent monetary value, on selected products as determined by the Company:

(a) A waiver of an amount up to 100% of the current business nonrecurring rate(s) or charge(s), or
(b) A waiver of up to three months of the recurring rate(s) or charge(s), or
(c) A waiver of an amount up to 100% of the current business nonrecurring rate(s) or charge(s) and up to three months of the recurring rate(s) or charge(s), or
(d) A benefit or consideration offered or provided that is not associated with a service or product offered by the Company such as CPE, merchandise, or discounts on merchandise offered by others, gift certificates, gift cards or otherwise, in the discretion of the Company. In determining the value of noncash offers or benefits, the actual cost incurred by the Company, not to exceed the sum above, shall be used.

.2 The waiver(s) will appear in the form of a credit(s) on the customer's bill. The waiver may be one-time or spread over a period of up to 12 months in a fashion determined by the Company.

.3 Waiver amounts are calculated on the first month's nonrecurring charge(s) and monthly rate(s). The total waived amount will not exceed the value of the total nonrecurring rate(s) or charge(s) plus three months service of the monthly rate(s) or charge(s).

GENERAL SERVICES

1. CALLING SERVICES

.1 General

.1.1 Calling Services provide for features in either individual or packaged configurations.

.1.2 Custom Local Area Signaling Service (CLASS) services offered to single and multiline residential and business customers and are available in suitably equipped Central Offices.

.2 Conditions

.2.1 Calling Services restrictions:

a. Unless otherwise restricted below, services may be used with all one-party Local Exchange Service lines or trunks. (C)

a.1 Call Waiting is not offered for use with rotary hunting group lines or trunks terminating in Multiline Telephone Systems.

a.2 Call Waiting and/or 3 Way Calling are not offered for use with rotary hunting group trunks terminating in Private Branch Exchange or Electronic Private Branch Exchange systems.

b. Custom Local Area Signaling Service (CLASS) restrictions:

b.1 CLASS Services are applicable to calls placed to/from compatible central offices or within a compatible central office offering the service. These services are offered based on information stored within the switch or provided to the switch through call setup signaling and are subject to limitations associated with the availability and content of that information.

b.2 Operator assisted calls may override CLASS features.

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(D)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.2 Conditions (Cont'd)

.2.1 Calling Services restrictions:

b. Custom Local Area Signaling Service (CLASS) restrictions:

b.3 Call Intercept feature [1]:

Call Intercept is available only to residence customers.

Customers must subscribe to Caller ID or Caller ID-Number Only to use Call Intercept Service.

Call Intercept is only offered where technically available.

Customers cannot have Call Intercept and Remote Call Forward on the same line.

.2.2 Service Charges do not apply to the installation or changes in Calling Services.

.2.3 Satisfaction Guarantee

a. If the customer notifies Frontier North Inc., they are not satisfied with the services, the customer will be entitled to a full refund of one (1) month's MRC, or portion thereof if subscription is less than 30 days. This refund will be applied as a credit on the customer's bill. Each customer will be entitled the credit one time per service.

b. The Satisfaction Guarantee will apply to the services listed in this Calling Services Section.

[1] This service is grandfathered to existing customers at existing locations.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.2 Conditions (Cont'd)

.2.4. Flexible Packaging [2]

.a This flexible packaging service offers a discount when the customer subscribes to four or more custom calling features as specified in b. following. If the number of features ordered is less than four or the customer removes a feature or features such that the total subscribed to becomes less than four, the discount does not apply, and the individual applicable rates apply. The service is available to single line residence customers.

.b The following features are available for the flexible packaging offering:

*66 Busy Number Redial	Do Not Disturb
*69 Call Return	Selective Call Forward
Call Block	Speed Call 8 [3]
Basic Call Forward	Speed Call 30
Call Waiting/Cancel Call Waiting	Distinctive Ring
Caller ID	Priority Call
Caller ID - Number Only	3 Way Calling

.c The discounts are applicable as follows: [1]

Residence Service	40 % Discount

[1] Anonymous Call Block/Rejection is not included toward the threshold. The rate, however, will be discounted if the threshold quantity (four) is met.
[2] This service is grandfathered to existing customers at existing locations.
[3] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.2 Conditions (Cont'd)

.2.5. 150 Satellite Channel Programming PAC

.a 150 Satellite Channel Programming PAC service offers a discount when the customer subscribes to three or more calling services as specified in b. following. If the number of calling services ordered is less than three or the customer removes a service or services such that the total subscribed to becomes less than three, the discount does not apply, and the individual applicable rates apply. The service is available to single line business customers.

.b The following features are available for the 150 Satellite Channel Programming PAC offering:

*66 Busy Number Redial	Do Not Disturb
*69 Call Return	Selective Call Forward
Call Block	Speed Call 8 [2]
Call Forwarding	Speed Call 30
Call Waiting/Cancel Call Waiting	3 Way Calling
Caller ID	Priority Call
Caller ID – Number Only	Distinctive Ring

.c The discounts are applicable as follows:[1]

Business Service	30 % Discount

[1] Anonymous Call Block/Rejection is not included toward the threshold. The rate, however, will be discounted if the threshold quantity (three) is met.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.2 Conditions (Cont'd)

.2.6 Features Plan - Business

a. Feature Plan Basic, Feature Plan Complete, and Feature Plan Deluxe Packages offer business customers discount rates off the individual Calling Services features listed below.

b. Discounted rates are based on selection of one of the following term agreement periods:

One-year commitment
Two-year commitment
Three-year commitment

c. Package Features

Feature Plan Basic Package:

Call Waiting/Cancel Call Waiting
3 Way Calling
Caller ID Name and Number
Selective Call Forward

Feature Plan Complete Package:

Basic Call Forward
3 Way Calling
Call Waiting/Cancel Call Waiting
Caller ID Name and Number

Feature Plan features are fixed. No substitutions are permitted between the Packages.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.2 Conditions (Cont'd)

.2.6 Features Plan – Business (Cont'd)

c. Package Features

Feature Plan Deluxe Package:

Caller ID Name and Number
Call Waiting/Cancel Call Waiting
3 Way Calling
Basic Call Forward
*69 Call Return
Distinctive Ring

d. Termination Liability

In the event the customer terminates service within the first 60 days, the customer will be liable for the applicable monthly charges, however, termination liability charges will be waived. If the customer terminates service after 60 days but prior to the completion of the term commitment period, termination liability as set forth in this catalog will apply.

If the customer terminates Feature Plan - Business to subscribe to Unlimited Toll Usage for Business with Feature Package One, Two or Three on the same line, no termination charges will apply.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.3 Custom Calling Feature Descriptions

Descriptions of the custom calling services are as follows:

Basic Call Forward - This feature provides an arrangement for transferring incoming calls to another telephone number within the local area by dialing a code and the number of the service to which calls are being transferred. Enables the customer to forward incoming calls to another telephone number by dialing *72 and the number to which calls are being forwarded to. (T)

Call Forward Busy - This feature provides for calls terminating to a subscriber's busy directory number to be forwarded to another telephone number on a premise other than the provisioned premises.

Call Forward Busy/No Answer - A permanently activated service which automatically redirects calls placed to a customer's telephone number to another predetermined telephone number if the caller encounters either a no-answer condition after a specified number of rings or a normal busy-line condition.

Call Forward No Answer - This feature provides for calls terminating to a subscriber's idle directory number to be forwarded, after a customer pre-selected interval, to another telephone number.

Call Waiting/Cancel Call Waiting - Call Waiting is an arrangement whereby a customer who is using an exchange line arranged for call waiting is alerted, by means of a tone signal, when another caller is trying to reach that line. The customer, by flashing the switchhook, is able to have alternative conversation between parties.

Cancel Call Waiting allows a Call Waiting subscriber to disable the Call Waiting feature of their telephone for the duration of a telephone call. The subscriber dials a code prior to placing a call to temporarily disable the Call Waiting feature. (T)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.3 Custom Calling Feature Descriptions (Cont'd)

3 Way Calling - Permits an existing call to be held, and by dialing, a second telephone call can be established and added to the connection. Normal transmission performance quality cannot be guaranteed on all calls. (T)

The pay per use charge is activated irrespective of whether the call is completed or not.

Speed Call 8 [2] - This provides for the calling of a 7 or 10 digit telephone number by dialing an abbreviated code. This arrangement is available in an eight-number capacity.

Speed Call 30 - This provides for the calling of a 7 or 10 digit telephone number by dialing an abbreviated code. This arrangement is available in a thirty-number capacity.

Do Not Disturb [1] – Do Not Disturb allows the customer to prevent incoming calls from ringing at the customer's station. Only callers who have the Personal Identification Number (PIN) can override this feature and ring your telephone.

.4 Customer Calling Services other than those listed in .3 preceding are provided on an individual service basis. The available Custom Calling Services include 3 Way Calling, speed calling, toll restriction, and call hold. (T)

[1] This service is grandfathered.
[2] This service offering is limited to all existing subscribers at their existing locations as of July 20, 2014.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions

*69 Call Return - This feature enables a customer to place a call to the telephone number associated with the most recent call received whether or not the call was answered, or the number is known. The customer can dial a code to request that the network place the call. If the called line is not busy, the call is placed. If the called line is busy, a confirmation announcement is heard, the customer hangs up and a queuing process begins. For the next thirty minutes both the calling and called lines are checked periodically for availability to complete the call. If during this queuing process the called line becomes idle, the customer is notified, via a distinctive ring, that the network is ready to place the call. When the customer picks up the telephone the call will automatically be placed. The activation code is *69. The user can press *89 to deactivate this feature. (T)

The pay per use charge is activated irrespective of whether the call is completed or not. Pay per use customers will be charged upon dialing the activation code without any specific prior request for the feature.

*66 Busy Number Redial - When activated, automatically redials the last number the customer attempted to call. If the called line is not busy, the call will be placed. If the called line is busy, a confirmation announcement is heard, the customer hangs up and a queuing process begins. For the next thirty minutes both the calling and the called lines are checked periodically for availability to complete the call. If during this queuing process the called line becomes idle, the customer is notified, via a distinctive ring, that the network is ready to place the call. When the customer picks up the telephone the call will automatically be placed. The activation code is *66. The user can press *86 to deactivate.

Pay per use customers will be charged upon dialing the activation code without any specific prior request for the feature.

Priority Call - Allows a customer to assign a maximum of 15 callers' telephone numbers to a special list. A Distinctive Ring pattern accompanies incoming calls from numbers on that list. If the customer is engaged in another call, and a call from one of the designated numbers arrives, a distinctive Call Waiting tone accompanies the incoming call.

Distinctive Ring - Provides two or more different phone numbers and rings for a single telephone line. Used to distinguish incoming calls. The designated primary number will receive a normal ringing pattern, other numbers will receive Distinctive Ring patterns. (T)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions (Cont'd)

Selective Call Forward - Allows a customer to program up to 15 telephone numbers to be forwarded automatically to another telephone number. Incoming calls that are on the Selective Call Forward list will be forwarded to the predetermined telephone number. Selective Call Forward is accessed by dialing "*63" or "1163" from a rotary telephone. After gaining access to the service, the customer can activate or deactivate by dialing an activation/deactivation code as directed by an announcement. Entries on the Selective Call Forward list, as well as the forward-to telephone number, can be changed at any time. (T)

Selective Call Rejection - Allows a customer to reject call attempts from up to 15 telephone numbers. To use this service, the customer preprograms telephone numbers of calling parties they wish to reject. Any call attempts to the customer's telephone from these specified numbers will be prevented from being completed to that customer. The calling party will get a recording advising the caller that the called party is not receiving calls. The customer can also add an "unknown" caller to the Selective Call Rejection list by activating the feature immediately after receiving an unwanted call. Selective Call Rejection is activated by dialing "*60" for "1160" form a rotary telephone. After gaining access to the service, the customer can activate or deactivate by dialing an activation/deactivation code as directed by an announcement.

Selective Call Acceptance - Allows a customer to select specific telephone numbers from which calls are to be received. All other calls are intercepted and routed to a recorded announcement that informs the caller that the customer is not accepting calls. Selective Call Acceptance is accessed by dialing "*64" or "1164" on a rotary telephone.

Call Trace - Allows a customer to automatically activate (*57 or 1157 from a rotary phone) a trace record of the last incoming call tracing feature. The customer automatically authorizes and requests the Company to release the results of any and all traces initiated by the customer directly to the customer's servicing law enforcement agency. The customer must contact the Company within ten (10) days after activating a call trace or the trace record will automatically be deleted from the system.

Call Trace is available on a monthly subscription basis, or on a pay per use basis. Pay per use customers will be charged upon dialing the activation code without any specific prior request for the feature. (T)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions (Cont'd)

Caller ID - Number Only [1] - provides for the display of the incoming telephone number on a customer provided display device attached to the customer's telephone line or on a telephone or answering machine with a built-in display screen. The Caller ID - Number Only feature will forward the calling number from the appropriately equipped central office to the customer provided display device, typically by the second ring. The Company will forward non-blocked telephone numbers subject to technical and other limitations, including the availability of the number for forwarding.

Caller ID with Name - Permits a customer to receive the calling name and telephone number for calls placed to that customer, if the call is not placed from outside of the Call ID area, through an operator or via telephone credit card, provided the calling party has not activated the per call restrict options and where technologically feasible. Before placing an outgoing local telephone call, customers with per call restrict may designate their number as private and prevent the delivery of their name and telephone number to the called party through the Call ID feature for that call by dialing the Call ID restrict activation code. (T) (T)

Caller ID Blocking - per call - Allows the calling customer to permit or withhold delivery of the customer's telephone number on each call. To block delivery of the number, the customer first dials an access code, then the customer dials the telephone number.

Caller ID Blocking - per line - Provides default blocking of delivery of the calling customer's telephone number. Blocking can be deactivated by the customer by dialing an access code before each call. When the customer hangs up, the default blocking is reinstated.

Special Call Waiting [1] - allows a customer to choose up to 12 numbers which can activate Call Waiting. Incoming calls placed from numbers not selected by the customer receive busy signals when the customer's line is busy. Customers may not subscribe to Call Waiting and Special Call Waiting on the same line.

Anonymous Call Block/Rejection (ACR) - Customers who do not wish to receive calls from callers that withhold their telephone number and name or other identifying information through per line or per call blocking can reject anonymous calls. Upon dialing a specific code, Caller ID with Name subscriber can automatically reject calls from customers who have chosen to block the passage of their telephone numbers and names on outgoing calls. The caller will receive an announcement that the customer is not accepting calls from callers who are blocking their telephone numbers and names. This feature can be activated by dialing "*77" ("1177" on rotary phones) and can be deactivated by dialing "*87" ("1187" on rotary phones). ACR is included with Caller ID with Name. A call can be completed to a Caller ID with Name subscriber who has activated ACR by (1) placing the call through an operator, (2) placing the call with a telephone credit card, or (3) placing the call after unblocking the telephone number and name.

[1] This service is grandfathered to existing customers at existing locations.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions (Cont'd)

Call Intercept [1] - Call Intercept is an optional enhancement to Caller ID-Number Only and Caller ID. It provides residential Caller ID customers with informed choices about accepting or rejecting unidentified calls that typically appear as "Anonymous", "Unavailable", "Out of Area" or "Private", by requiring identification of the calling party as a condition of call completion. The unidentified caller is prompted by a recorded message to record a person or business name. Once recorded, Call Intercept calls the subscribing customer's line and displays the words "Call Intercept" on the Caller ID box. When the customer answers, Call Intercept plays the recorded name. The subscriber can then choose from one of the following options:

- accept the call,
- decline the call which then plays an announcement to the caller,
- refuse the sales/telemarketing call which then plays the sales screening announcement,
- send the call to voice mail, if the subscriber has Company home voice service, or replay the recorded name.

If the customer is not home, Call Intercept connects the caller to an answering device or plays a message that the subscriber is not available. A PIN number is available to the subscriber for use by family or friends which allows Call Intercept screening to be bypassed and displays the words "Priority Caller" on the Caller ID box. Customers subscribing to The Multi Package Residential Offer- Option A or Regional Essentials can receive Call Intercept at a discounted monthly recurring rate.

Multiple Simultaneous Call Forwarding - This feature provides a business customer with the capability to specify the number of calling paths that will be forwarded from one subscriber line to another telephone number. The feature is offered where facilities permit and at no time will this service take precedent over the requirement for these facilities to provide a customer with telephone service. Multiple Simultaneous Call Forward is restricted to voice use only. The feature is available only as an enhancement to one or more of the following features: Call Forwarding, Call Forward Busy and Call Forward No Answer. Multiple Simultaneous Call Forward is limited to ten (10) call forwarding paths per telephone number. It can be used with any of the following services: B1, PBX, Centrex and ISDN BRI [2]. (C)

[1] This service is grandfathered to existing customers at existing locations.

[2] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions (Cont'd)

Remote Call Forward Service (RCF) - Is a service whereby a call placed from a station (the originating station) to a customer's (the RCF customer) telephone number (the call forwarding location) is automatically forwarded by Company Central Office equipment to another station designated by the RCF customer (the Terminating station). The RCF customer does not have any premises service associated with the RCF number. Terminating stations must have incoming call capability.

1) Remote Call Forward service is offered subject to availability of suitable facilities and provided no unusual expense is involved.

2) Remote Call Forward service is not offered where the terminating station is a coin telephone.

3) The Company will not provide identification of the originating telephone number to the Remote Call Forward customer.

4) Transmission characteristics may vary depending on the distance and routing necessary to complete the remotely forwarded call.

5) Remote Call Forward is not represented as suitable for satisfactory transmission of data.

6) Remote Call Forward is available between the call forwarding location and another station within the same exchange or in another exchange and may be used in conjunction with EAS, Long Distance Telecommunications Service and Interstate or Intrastate Inward WATS [1] lines. The RCF customer is responsible for payment of any charges for calls forwarded from his RCF telephone number. Remote Call Forward is programmed in the Company's central office. The calls will be forwarded to any number the customer specifies. (C)

7) Remote Call Forward is provided on the condition that the customer subscribe to sufficient RCF services and facilities to adequately handle calls to the RCF customer without interfering with or impairing any services offered by the Company.

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations. (N) (N)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.5 Custom Local Area Signaling Service (CLASS) Feature Descriptions (Cont'd)

Remote Call Forward Service (RCF) - (Cont'd)

8) One listing without charge, covering the exchange in which the call forwarding Central Office is located, is provided. Additional directory listings may be obtained in this Catalog.

9) The message charges applicable to remotely forwarded calls shall be comprised of two separate charges; (1) a charge for that portion of the call from the originating station to the call forwarding location and (2) a charge for that portion of the call from the call forwarding location to the terminating station. The respective charge for each portion shall be as follows:

Between the originating station and call forwarding location. The charge for this portion of a remotely forwarded call shall be the charge specified in this catalog, or any other applicable Tariff/Catalogs, for the type of call involved.

Between the call forwarding location and the Terminating station. The Remote Call Forward customer is responsible for the applicable customer-dialed station-to-station charges or WATS [1] charges specified in interstate, intrastate/intralata, or intrastate/interlata Long Distance Message Telecommunications Service Tariffs and Wide Area Telecommunications Service (WATS) [1] Tariffs. The aforementioned charges apply to all calls answered at the terminating station, including person-to-person and collect calls, even though such calls might not be accepted at the answering location.

Multiple Simultaneous Call Forward - This feature provides a business customer with the capability to specify the number of calling paths that will be forwarded from one subscriber line to another telephone number. The feature is offered where facilities permit and at no time will this service take precedent over the requirement for these facilities to provide a customer with telephone service. Multiple Simultaneous Call Forward is restricted to voice use only. The feature is available as an enhancement to one or more of the following features: Call Forwarding, Call Forward Busy and Call Forward No Answer. Multiple Simultaneous Call Forward is limited to ten (10) call forwarding paths per telephone number. It can be used with any of the following services: B1, PBX, Centrex and ISDN BRI [2]. (C)

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

[2] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.6 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated:

.6.1 Rates and Charges - Custom Calling Features

	Monthly Rates		Per Activation	
	Business	Residential	Business	Residential
When provided individually (each service, per line or trunk arranged):				
Basic Call Forward	$14.00 (I)	$8.50		
Call Forward Busy	$14.00 (I)	$8.50		
Call Forward Busy/No Answer	$14.00 (I)	$9.00		
Call Forward No Answer	$9.00	$8.50		
Call Waiting/Cancel Call Waiting	$34.50	$9.50		
3 Way Calling	$14.50 (I)	$9.50	$3.00 [1]	$3.50 [1]
Speed Call 8 [3]	$6.99	$5.00		
Speed Call 30	$11.99 (I)	$6.50		
Do Not Disturb [2]	$5.00	$4.00		

[1] Max per-activation monthly rate of $15.00.
[2] This service is grandfathered to existing customers at existing locations.
[3] This service offering is limited to all existing subscribers at their existing locations as of July 20, 2014.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.6 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated: (Cont'd)

.6.2 Rates and Charges - Custom Local Area Signaling Service (CLASS)

	Monthly Rates		Per Activation	
	Business	Residential	Business	Residential
When provided individually (each service, per line or trunk arranged):				
*69 Call Return	$12.00 (I)	$6.50	$3.00 [1]	$3.50 [1]
*66 Busy Number Redial	$6.99	$6.50	$3.00 [1]	$3.50 [1]
Priority Call	$6.99	$6.50		
Distinctive Ring	$12.50 (I)	$6.99		
Selective Call Forward	$6.99	$6.50		
Selective Call Rejection	$7.50	$6.50		
Selective Call Acceptance	$6.99	$6.00		
Call Trace			$8.00 [2]	$8.00 [2]
Caller ID – Number Only [4], per line	$35.75	$8.00		
Caller ID with Name	$39.00	$13.75		
Call Block	$7.50	$5.00		
Selective Blocking, per Call	None	None		
Special Call Waiting [4]	$5.00	$5.00		
Anonymous Call Block/Rejection (ACR)	$6.50	$6.00		
Call Intercept [3]*		$5.00		
Multiple Simultaneous Call Forward	$11.00	N/A		
Remote Call Forward Service (RCF)	$48.00	$27.00		
Multiple Simultaneous Call Forward	$13.00			

[1] The maximum charge is $ 15.00 per month per line.
[2] The maximum charge is $ 32.50 per month per line.
[3] Customers subscribing to Multi Package Residential Offer-Option A, as set forth in this Section, or Regional Essentials, can subscribe to Call Intercept * at a discounted monthly rate of $4.00.
[4] This service is grandfathered to existing customers at existing locations.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.6 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated: (Cont'd)

.6.3 Rates and Charges

	Monthly Rate
Multi Package Residential Offer – Option A	
Call Waiting/Cancel Call Waiting, Basic Call Forward, *69 Call Return, 3 Way Calling, Call Block	
Residence Service	$12.00
Multi Package Residential Offer – Option B [1]	
Call Waiting/Cancel Call Waiting, Caller ID, Distinctive Ring, 3 Way Calling, Basic Call Forward, *69 Call Return, Speed Call 8 [3], Call Block, Priority Call, *66 Busy Number Redial, Do Not Disturb and Selective Call Forward	
Residence Service	19.00

[1] Customers subscribing to Multi Package Residential Offer – Option A can subscribe to the Call Intercept [2] feature at a discounted monthly rate. See preceding paragraphs for conditions, feature description and rate.

[2] This service is grandfathered to existing customers at existing locations.

[3] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GENERAL SERVICES

1. CALLING SERVICES (Cont'd)

.4 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated: (Cont'd)

.6.3 Rates and Charges (Cont'd)

	Monthly Rate
Features Plan - Business	
Feature Plan Basic Package [1]	
1 Year	$16.50
2 Year	$15.13
3 Year	$13.76
Feature Plan Complete Package [1]	
1 Year	$16.50
2 Year	$15.13
3 Year	$13.76
Feature Plan Deluxe Package [1]	
1 Year	$24.75
2 Year	$22.69
3 Year	$20.63

[1] Service Charges as set forth in this catalog are not applicable.

GENERAL SERVICES

2. EXCHANGE TOUCH CALLING SERVICE

.1 Conditions

.1.2 Exchange Touch Calling Service provides for origination of telephone calls through the use of stations equipped with pushbuttons, each of which generates distinctive tones for the origination of calls. Stations accessing a Touch Calling line can be equipped for Touch Calling or rotary dial operation.

.1.3 Exchange Touch Calling Service requires special central office lines having the capability of receiving standard DTMF signaling and is available only where such equipment exists. Where available, the service may be furnished in connection with Local Exchange Service.

GENERAL SERVICES

3. COPIES OF REGULAR MONTHLY BILLING FOR PREVIOUS SERVICE

.1 General

.1.1 Copies of regular monthly bills for previous service may be provided to customers upon request where such information is available, and facilities permit.

.2 Conditions

.2.1 Copies of regular bills for the current and immediately prior months will be furnished to the customer upon request at no charge.

.3 Rates

.3.1 Except where exempted above, a nonrecurring charge of $5.00 applies to each account, per billing period, for which copies are furnished.

GENERAL SERVICES

4. 700, 900 and 976 BLOCKING SERVICE

.1 General

700, 900 and 976 Blocking Service provides residence and business customers with the ability to block access from a particular network access line to all telephone numbers for which the 700 NPA, 900 NPA and 976 prefix must be dialed.

The service is classified as a local exchange telecommunications service.

.2 Conditions

.2.1 The Company's obligation to furnish network facilities for 700, 900 and 976 Blocking Service is dependent upon the availability of suitable facilities. Because of central office and other facility limitations, it may not be possible for the Company to provide all of the services that may be requested.

.2.2 700, 900 and 976 Blocking Service is available only for blocking access to all 700 NPA, 900 NPA and 976 prefix telephone numbers from a particular network access line, and not for blocking access to a specific 700 NPA, 900 NPA and 976 prefix telephone number.

.3 Rates and Charges

.3.1 The 700, 900 and/or 976 Blocking Service for residence and business network access line customers is provided upon request without charge.

.3.2 Service Charges do not apply to orders adding this blocking service only.

GENERAL SERVICES

5. COMBINATION MAIN STATION SERVICE

.1 General

.1.1 Where an individual or firm wishes to contract for two main stations at two separate locations, but also wishes to be able to answer incoming calls for one station or both stations at either location, the arrangement described below is provided on flat rate lines in single office exchanges subject to (a) the availability of the facilities necessary to furnish satisfactory service and (b) the rate treatment given.

.1.2 Combination main station service may be employed where one station is at a business location and the other at a residence, or where both stations are at either business or residence locations. However, such an arrangement is permitted only on the premises of the same individual or firm or where the customer at the residence location is associated in business with or is an employee of the customer at the business location.

.2 Equipment and Operation

.2.1 The two lines are bridged together.

.2.2 A directory listing is furnished with each exchange line.

.2.3 Connections between the exchange service lines are established by coded ringing.

.3 Rates

.3.1 Business or Residence Local Exchange Service rates apply in accordance with the character of use at each premises.

.3.2 In applying Mileage Charges, each exchange service location is considered separately, and the Mileage Charges applicable for individual line service are assessed for each exchange service.

GENERAL SERVICES

6. CONDITIONING OF OFF-PREMISES LINES

.1 General

.1.1 Conditioning of off-premises lines may be provided when resistance and/or line loss limits are exceeded, and amplification equipment is required to meet transmission and signaling requirements.

.2 Rates

.2.1 The following rates and charges apply in addition to all other rates and charges applicable to the services and equipment furnished.

	Monthly Rate	Nonrecurring Charge
Conditioning of Off-Premises Lines, each	$13.57	$33.92

GENERAL SERVICES

7. BUSINESS DIAL UP SERVICE

.1 General

.1.1 Business Dial Up Service is an enhancement to Business single line service to provide higher quality transmission standards than normally provided for voice transmission. It is designed for customers requesting a better grade of service for data transmission. Lines conditioned with this level of service may also be used for normal voice communication. This service is offered subject to the availability of suitable facilities.

.2 Regulations

.2.1 The parameters of Business Dial Up Service are designed to support transmission of data up to 4800 bits per second on the local loop from the point of demarcation to the serving central office switch. The following transmission parameters are inherent to Business Dial Up Service:

Business Dial Up Service Transmission Parameters

Maximum insertion loss in dB 1,000 HZ	9.0 dB
Attenuation Distortion (Slope)1,000 - 2,800 Hz	3.0 dB max
Message Circuit Noise (Voice Objectives)	20 dBrnc or less
Impulse Noise	
Physical Facilities	No more than 15 counts in 15 min. at a threshold of 50 dBrncO
Compandor facilities measured with -13dBm0 holding tone	No more than 15 counts in 15 min. at a threshold of 59 dBrncO
Envelope-delay distortion 1,000 to 2,400 Hz	200 ms max.
Transmitting level at SCO	-13 dBM

.2.2 The quality of the line is guaranteed only between the customer point of demarcation and the serving central office switch. No guarantee is made for a transmission level over the entire circuit.

GENERAL SERVICES

7. BUSINESS DIAL UP SERVICE (Cont'd)

.2 Regulations (Cont'd)

.2.3 Business Dial Up Service is not offered in conjunction with the following:

- Foreign Central Office Service — PBX trunks or stations
- Foreign Exchange Service- — Residence or Business service provided by analog station carrier (e.g., 82A & 84A)
- Call Waiting/Cancel Call Waiting — Distinctive Ring
- Customized Multiline Telephone Service
- Off-Premises Extensions

.3 Rates

.3.1 The following rates are in addition to all applicable nonrecurring and recurring charges shown in other tariffs of the Company. The nonrecurring charge applies in addition to all other Service Charges when this service is ordered in conjunction with other services.

	Monthly Rate	Nonrecurring Charge
Business Dial Up Service	$5.00	$25.00

General Services

8. DIRECT INWARD DIALING SERVICE

.1 General

.1.1 Direct Inward Dialing Service permits incoming dialed calls from the exchange network to reach a specific number within a customer system without the assistance of an attendant.

.2 Conditions

.2.1 The Company will determine the quantity of central office trunks required in accordance with Telephone Communication Industry Standards of Service.

.2.2 This service is subject to the availability of existing equipment and facilities. In the event additional or special equipment is required, special assembly rates and charges may be applied in addition to those shown herein.

.2.3 Centrex and Customized Multiline Telephone Service are exempt from this offering.

.2.4 Customer-Provided Switching Systems must handle calls to assigned numbers, including those that are not currently used with specific stations. Calls to numbers not currently used with specific stations must be routed by the customer to a recorded announcement referring the caller to another number.

.2.5 In the event DID Block of Numbers are terminated by the customer prior to completion of the initial one year or three-year term period, the customer shall be liable for payment of termination liability charges as set forth in this Catalog.

GENERAL SERVICES

8. DIRECT INWARD DIALING SERVICE (Cont'd)

.3 Rates

.3.1 Central Office Trunk rates and appropriate Service Charges apply based upon the quantity of central office trunks utilized for Direct Inward Dialing Service.

a. The following rates and charges apply in addition to all other rates and charges applicable to the services and equipment furnished.

	Monthly Rate	Nonrecurring Charge
Direct Inward Dialing – Electromechanical Central Office		
Central Office Direct Inward Dialing Trunk Termination, each	$15.25	$360.00
Direct Inward Dialing, each 100 numbers or portion thereof	$270.00	-
Direct Inward Dialing - Stored Program Control Central Office		
Central Office Direct Inward Dialing Trunk Termination, per order		
Initial	$50.00	$750.00
Each Additional	$25.00	$60.00
Direct Inward Dialing, Block of Numbers		
Block of 20 – Month to Month	$10.00	None
Block of 20 – One Year Term.	$8.00	None
Block of 20 – Three Year Term	$4.00	None
Block of 100 – Month to Month	$25.00	None
Block of 100 – One Year Term	$20.00	None
Block of 100 – Three Year Term	$15.00	None

GENERAL SERVICES

8. DIRECT INWARD DIALING SERVICE (Cont'd)

.4 Direct Inward/Outward Dialing (DIOD) Element

.4.1 General

a. Direct Inward/Outward Dialing (DIOD) is a central office-based service that permits incoming calls to reach customer provided equipment, without the assistance of an attendant, and allows the trunk to be used to place outgoing calls. Rotary hunt does not apply.

.4.2 Conditions

a. The assignment of telephone numbers and the sequence of numbers to a customer are made at the discretion of the Company. All terms and conditions pertaining to DID service are applicable to DIOD service.

b. This service is subject to the availability of existing equipment and facilities.

c. Customized Multiline Telephone Service are exempt from this offering.

d. Trunks arranged for DIOD service may not be combined with trunk groups arranged to provide DID service. Overflow of calls between the two arrangements is not permitted.

e. Where the DIOD service is provided from a different central office area of the serving exchange, interoffice mileage charges and measurement as specified in lll. CC No. 15 will apply.

f. Where the DIOD service is provided from a different exchange area, the Special Transport and Special Access Line Charges apply for each interexchannel channel as specified in lll. CC No. 15.

g. Customers are required to subscribe/use current trunks as the basic access piece of DIOD trunks using the existing catalog rate. The DIOD Functionality Rate Element is an add to the existing trunk rate(s).

GENERAL SERVICES

8. DIRECT INWARD DIALING SERVICE (Cont'd)

.4 Direct Inward/Outward Dialing (DIOD) Element (Cont'd)

.4.2 Conditions

h. Customer-Provided Switching Systems must handle calls to assigned numbers, including those that are not currently used with specific stations. Calls to numbers not currently used with specific stations must be routed by the customer to a recorded announcement referring the caller to another number.

i. In the event DIOD service is terminated by the customer prior to completion of the initial one year or three-year term period, the customer shall be liable for payment of termination liability charges as set forth in this Catalog.

.4.3 Rates

DIOD Rate	Monthly Rate	Nonrecurring [1] Charge
Per Trunk - Month to Month	$15.25	$100.00
Per Trunk - One Year Term	$8.00	$100.00
Per Trunk - Three Year Term	$6.00	$100.00

[1] Nonrecurring charge is per initial service order.

GEBERAL SERVICES

9. MAGNETIC TAPE REPRODUCTION

.1 Conditions

.1.1 Billing detail on magnetic tape is offered to meet the requests of large system customers who have access to data processing equipment and wish to use the tape detail for verifying, analyzing, and controlling charges.

.1.2 Billing detail will be reproduced on tape in code terminology and format used by the Telephone Company.

.1.3 The customer will be provided a tape layout, at no charge, explaining Telephone Company terminology and format.

.1.4 The Telephone Company reserves the right to change the code terminology and format of the information on the tape upon 30 days notice to the customer.

.2 Rates

.2.1 The following rates are in addition to all applicable nonrecurring charges as shown elsewhere in this Catalog.

.2.2 The following rates and charges apply to the customer's listed telephone number and all telephone numbers billed at the same time and on the same bill.

Monthly Rate	Nonrecurring Charge
$120.00	$250.00

.2.3 A Subsequent Order Charge applies for each additional billing telephone number added subsequent to the establishment of service but billed in the same cycle as the main number.

.2.4 Each additional number billed separately in a cycle different than the main billing number requires a new tape and should be billed as shown in .2.2 above.

.2.5 Duplicate tapes may be obtained from the telephone company if requested within ten days after the original tape is made at a cost of $120.00 per tape plus any appropriate service order charges.

GENERAL SERVICES

10. RESERVE TELEPHONE NUMBERS

.1 General

.1.1 Reserve Telephone Numbers are telephone numbers reserved by a customer for future use.

.1.2 Reserve Telephone Numbers are available only for telephone numbers not currently in use.

.1.3 Reserve Telephone Numbers are offered subject to availability for a period not to exceed 180 days and are not guaranteed until activated in the network.

.1.4 This service is not available for Customer Owned Coin Telephone Exchange Service (COCTS) or COPT Coin Line Service.

.2 Rates and Charges

	Monthly Rate
.2.1 Per Reserve Telephone Number	None

.2.2 Service Charges shown in Section 4 of this Catalog are applicable when a customer orders Reserve Telephone Numbers.

GENERAL SERVICES

11. TOLL RESTRICTION SERVICE

.1 General

.1.1 Toll Restriction Service is a central office service that restricts calls as indicated in paragraph .1.2 following. Restricted calls are directed to a central office announcement.

.1.2 Two Toll Restriction Service options are available:

a) Option 1 [1] - Any direct dialed one plus (1+) and (1+0+XXX+1) or direct dialed International (011+) call. This includes directory assistance (411, 1 + 411, 1 + 555-1212, 1 + NPA + 555-1212). Calls to 800 Service (1 + 800 + XXX-XXXX) and calls to (1+0+XXX + 0) will not be restricted.

b) Option 2 - Includes Option 1 and any local or long distance zero plus (0+) or zero minus (0-) call. If 9-1-1 service is not available in an exchange, zero minus (0-) calls will be restricted to Local Assist and 9-1-1 Emergency.

.1.3 Toll Restriction Service, Option 1, will be provided to Residence One-Party, Business One-Party, Customer Owned Coin Telephone Service, Payphone Providers and Trunk Access Line customers. Toll Restriction Service, Option 2, will be provided to Residence One-Party, Business One-Party and Trunk Access Line customers.

.1.4 Toll Restriction Service is offered subject to the availability of suitable facilities and is limited to central offices specifically equipped to provide this service.

.1.5 The Company makes no guarantee and assumes no liability for the accuracy of Toll Restriction Service. The customer agrees fully and completely to indemnify and save harmless the Company, its successors and assigns, from and against any and every claim, loss, damage, suit or liability arising from the restriction of telephone calls made from the customer's access line.

.1.6 The minimum contract period for this service is one month.

[1] Includes Originating Line Screening, which allows outgoing intraMSA toll calls to be charged to the called telephone, a third number, or a credit card account.

GEBERAL SERVICES

11. TOLL RESTRICTION SERVICE (Cont'd)

.2 Rates

.2.1 The following rates and charges apply to the provisioning of Toll Restriction Service and are in addition to all other applicable charges as specified elsewhere in this and other tariffs of the Company.

	Monthly Rate	Nonrecurring Charge [1]
a. Option 1, per line equipped		
One-Party		
Residence	$5.00	$10.00
Business	$5.00	$10.00
Trunk Access Line		
Residence	$5.00	$10.00
Business	$5.00	$10.00
b. Option 2, per line equipped		
One-Party		
Residence	$5.00	$10.00
Business	$5.00	$10.00
Trunk Access Line		
Residence	$5.00	$10.00
Business	$5.00	$10.00

[1] A Subsequent Ordering charge as shown elsewhere in this catalog also applies. The Nonrecurring Charge applies in addition to all other Service Charges when this service is ordered in conjunction with other services. The Nonrecurring Charge does not apply when a customer elects to change Toll Restriction Service options.

GENERAL SERVICES

12. SELECTIVE CLASS OF CALL SCREENING SERVICE

.1 General

.1.1 Selective Class of Call Screening Service is available to subscribers of the Company's local exchange services, excluding COCOTS. This service is offered to provide a choice of originating screening options for intraMSA services. It enables the identification, by Company operators, of patron sent-paid calls from establishments, which do not permit sent-paid calls. Selective Class of Call Screening Service allows patrons to place only calls which are charged to the called telephone number, a third number or a credit card account.

.1.2 The Company makes no guarantee and assumes no liability for the accuracy of Selective Class of Call Screening Service. The customer agrees fully and completely to indemnify and save harmless the Company, its successors and assigns, from and against any and every claim, loss, damage, suit or liability arising out of the furnishing or failure to furnish Selective Class of Call Screening Service.

.1.3 Selective Class of Call Screening Service is offered subject to the availability of suitable facilities.

.1.4 Customers subscribing to Selective Class of Call Screening Service are responsible for all toll charges.

.1.5 The minimum contract period for Selective Class of Call Screening Service is one month.

.2 Rates

.2.1 The following rates and charges apply to the provisioning of Selective Class of Call Screening Service and are in addition to all other applicable charges as specified elsewhere in the Company's Catalog.

	Monthly Rate	Nonrecurring Charge
Per Line/Trunk equipped	$ 5.00	$10.00

GENERAL SERVICES

13. BILLED NUMBER SCREENING SERVICE

.1 General

.1.1 Billed Number Screening Service is available to subscribers of the Company's local exchange services excluding COCOTS. This service prevents the billing of collect, third number billed or both to a customer's telephone account.

.1.2 The Company makes no guarantee and assumes no liability for the accuracy of Billed Number Screening Service. The customer agrees fully and completely to indemnify and save harmless the Company, its successors and assigns, from and against any and every claim, loss, damage, suit or liability arising out of the furnishing or failure to furnish Billed Number Screening Service.

.1.3 Billed Number Screening Service is offered subject to the availability of suitable facilities.

.1.4 The minimum contract period for Billed Number Screening Service is one month.

GENERAL SERVICES

13. BILLED NUMBER SCREENING SERVICE (Cont'd)

.2 Rates

.2.1 The following rates and charges apply to the provisioning of Billed Number Screening Service and are in addition to all other applicable charges as specified elsewhere in the Company's Catalog.

	Monthly Rate	Nonrecurring Charge
Option 1 - No Collect or Third Number Billing,		
- Per line Screened [2]	$2.50	$10.00 [1]
- Over 49 lines, per line [2]	$1.25	$10.00 [1]
Option 2 - No Third Number Billing,		
- Per line Screened [2]	$2.50	$10.00 [1]
- Over 49 lines, per line [2]	$1.25	$10.00 [1]
Option 3 - No Collect Billing,		
- Per line Screened [2]	$2.50	$10.00 [1]
- Over 49 lines, per line [2]	$1.25	$10.00 [1]

[1] A Subsequent Ordering charge as shown elsewhere in this catalog also applies. The Nonrecurring Charge applies in addition to all other Service Charges when this service is ordered in conjunction with other services.

[2] Billed Number Screening Service per line rates are determined by the total number of Billed Number Screening lines requested (i.e., if a customer requests 0 - 49 lines, all lines will be billed at $2.00 per line and if a customer requests over 49, lines all lines will be billed at $1.00 per line).

GENERAL SERVICES

14. HIGH VOLTAGE PROTECTION SERVICE

.1 General

.1.1 Company facilities that extend to a high voltage environment such as, electrical power generating stations, substations, and electrical switching or distributing locations require special protection against:

- Ground potential rise
- Longitudinal induced voltage
- Electrical contact between power and telecommunication conductors
- A combination of all of the above

.1.2 This service will provide high voltage isolation for telecommunications, while enabling the normal A.C. and D.C. signaling between C.O. and substation equipment during high ground potential rise (GPR) environment due to electrical power faults.

.2 Conditions

.2.1 This service is available to all customers requiring high voltage protection. If a customer already has the common equipment necessary to provide high voltage protection, they may order 2-wire, 4-wire, B-1 or DDS without ordering additional common equipment.

.3 Rates

	Nonrecurring Charge	Monthly Rate
Two-Wire (OPX or DC Trip) w/o Common Eqpt	$73.00	$126.00
Two-Wire (OPX or DC Trip) w/ Common Eqpt	$421.00	$145.00
Four-Wire w/o Common Eqpt	$73.00	$73.00
Four-Wire w Common Eqpt	$421.00	$103.00
B-1 w/o Common Eqpt	$73.00	$73.00
B-1 w Common Eqpt	$421.00	$126.00
DDS w/o Common Eqpt	$73.00	$43.00
DDS w Common Eqpt	$421.00	$126.00

GENERAL SERVICES

15. CUSTOMIZED NUMBER SERVICE

.1 General

.1.1 Customers of the Company may request assignment of specific telephone numbers. If the telephone number or numbers requested by the customer are available, the Company may assign the number to the customer.

.1.2 The Company will do its utmost to protect specific number assignments requested by the customer from changing. However, unavoidable circumstances may arise where the number assignment may need to be altered. In these instances, the Company reserves and retains the right:

a. To discontinue, change or reassign telephone numbers in any exchange area whenever it deems it necessary or appropriate in the conduct of its business, or in accordance with the rules and procedures of the Company. If this should occur, the Customized Number Service Charge will not be refunded to the customer.

b. To reject any request for specific telephone numbers for any reason, including but not limited to: relocation of a central office, limited central office capacity, or numbers that may, in the Company's sole opinion, be offensive to the public.

c. Of ownership of all telephone numbers and prohibits the assignment of a telephone number by or from any customer to another, except as otherwise provided in this Catalog.

.2. Conditions

.2.1 The Customized Number Service charge applies whenever a customer:

a. Requests a number change from their present number to a Customized Telephone Number or requests a Customized Telephone Number on the initial order.

GENERAL SERVICES

15. CUSTOMIZED NUMBER SERVICE (Cont'd)

.2. Conditions (Cont'd)

.2.2 The Company shall not be liable to any customer for direct or indirect or consequential damages caused by a failure of service, change of number or assignment of a requested number to another customer whether prior to or after establishment of service. In any case the Company shall not be liable to any person, firm or corporation for an amount greater than such person, firm or corporation has actually paid to the Company for the Customized Number service.

.3 Rates

.3.1 The appropriate Service Charges as found in this Catalog will apply for Customized Number Service in addition to the following monthly charges.

	Monthly Rate	
	Business	Residence
Each Customized Number requested	$2.00	$2.00

GENERAL SERVICES

16. EXTENDED MILEAGE CHARGES

.1 Conditions

.1.1 Local Exchange Service may be extended off-premises subject to the following special conditions:

a. Limited to One Party services only.

b. A Residence Local Exchange Service line may be extended to a business or to another residence when each party has his own separate service.

c. A Business Local Exchange Service line may be extended to a residence only when the residence location has its own separate service. If a proprietor actually lives in his business establishment, the line will be extended without the required primary service.

d. A business Local Exchange Service line may be extended from one individual business to a business belonging to another if each business has its own separate service.

.1.2 Local Exchange Service, Private Line Service and tie line terminations are furnished in connection with extended mileage within a local exchange area (intraexchange). Interexchange mileage charges for such services furnished between local exchange areas are provided as set for in Section 15 of this Catalog.

.1.3 Private Line Service is normally a two-point service and is furnished without exchange network access connection.

.2 Rates

.2.1 Rates for business or residence Local Exchange Service lines extended to locations not on the customer's same continuous property and intraexchange private line service are as set forth in this Catalog.

GENERAL SERVICES

17. FOREIGN CENTRAL OFFICE SERVICE

.1 General

.1.1 Foreign Central Office Service is Local Exchange Service furnished through any central office serving the same exchange, other than the central office which regularly serves the area in which the customer is located.

.1.2 The service is provided in connection with any one-party service available in the exchange, as shown in this Catalog.

.2 Rates

.2.1 The rate for Foreign Central Office Service is the rate in effect in the exchange for the class of service furnished, plus associated mileage rates as set forth in this Catalog.

GENERAL SERVICES

18. FOREIGN EXCHANGE SERVICE

.1 Conditions

.1.1 This is exchange service furnished from an exchange other than the one from which service would normally be furnished.

a. The normal exchange is the exchange in which the customer is located.

b. The foreign exchange is an exchange other than the one in which the customer is located.

.1.2 Responsibility for billing and collecting for Foreign Exchange Service may be handled by either the normal or foreign exchange.

.1.3 The Company operating the normal exchange will determine if Foreign Exchange Service will be provided.

a. Customers subscribing to Foreign Exchange Service must also subscribe to service from their normal exchange.

.1.4 Two categories of Foreign Exchange Service are available for new installation, individual lines (excluding Public and Semi-Public Telephone Services) and trunks. These services are provided subject to a "rate center to rate center" mileage charge as shown under Rates herein.

.1.5 The furnishing of a Foreign Exchange Service may involve the construction of certain facilities between the base rate area boundary of the normal exchange and the customer's premise. Charges to be paid by the customer for the construction of these facilities will be determined as follows:

a. When normal exchange is operated by this Company, the charge will be the actual cost of construction, less an allowance equal to five (5) years' revenue, from the mileage associated with the facilities mentioned in Paragraph .1.5.

GENERAL SERVICES

18. FOREIGN EXCHANGE SERVICE (Cont'd)

.1 Conditions (Cont'd)

.1.6 When Foreign Exchange Service is provided by means of an interexchange off-premises station, the above conditions apply in addition to the following:

a. Rates applicable to this service are contained in Paragraph .2 following.

.1.7 Additional terminations of a foreign exchange line are subject to rates and charges for the appropriate local channel as set forth in this Catalog.

.2 Rates

.2.1 The basic monthly telephone exchange rate and service charge applicable at the foreign exchange (open end) for the grade of service provided, plus the following charges.

.2.2 Closed End Rates and Charges

Rates, regulations and service charges for the normal exchange (closed end) of the foreign exchange service are as set forth in this Catalog.

GENERAL SERVICE

19. INTERCEPT SERVICES

.1 Basic Referral Service

.1.1 General

a. Basic Referral Service is an optional service, which provides new number information to callers dialing changed or disconnected numbers. Customers may receive this service for the first one hundred twenty (120) days from the date of disconnect at no charge.

.1.2 Conditions

a. Basic Referral Service is offered to residence and business customers subject to the availability of suitable facilities.

b. The service is provided for a period of 30 days for residential customers. (C)(D) | (D)

c. Basic Referral Service will not be provided to customers disconnected for nonpayment.

.1.3 Rates

a. The following rate is in addition to any other applicable charges shown in tariffs of the Company. The nonrecurring charge applies in addition to all other Nonrecurring Charges when this service is ordered in conjunction with other services.

	Nonrecurring Charge	
b. Basic Referral Service, each number intercepted	$0.00	(R)

GENERAL SERVICE

19. INTERCEPT SERVICES (Cont'd)

.2 Extended Basic Referral Service* (C)

.2.1 General

a. Extended Basic Referral Service permits station lines from one-way incoming DID trunks to be placed on intercept and routed to a "change number announcement." This service allows a business DID customer who is relocating to another exchange, changing telephone numbers or disconnecting DID lines to have as many internal lines placed on intercept as desired. Dialing the customer's former DID number results in a prerecorded message, which announces the new telephone number.

.2.2 Conditions

a. Extended Basic Referral Service is subject to the availability of facilities.

b. Extended Basic Referral Service is offered in five (5) line increments. When the number of lines placed on Extended Basic Referral do not fall into increments of five, the number of lines will be rounded up to the next five for billing purposes.

c. Extended Basic Referral must be ordered coincidentally with the order request to move, change or disconnect the DID service.

.2.3 Rates

	Nonrecurring Charge
Option 1 - per 5 station lines (6 months)	$250.00
Option 2 - per 5 station lines (12 months)	$450.00

* This service is grandfathered to existing customers at existing locations. (N)

GENERAL SERVICES

20. CALL WITHIN/INTERCOM SERVICE

.1 Call Within/Intercom - allows a single line customer to communicate between telephone instruments connected to the same access line. The customer, by dialing their own telephone number, will hear a normal busy tone. The caller then hangs up and all the telephones on the calling line will be activated. When any telephone is answered, the ringing stops and the caller then knows that his call has been answered. This service is available only where such equipment exists. Where available, the service may be furnished in connection with Local Exchange Service.

.1 Rates

	Monthly Rate	
	Business	Residential
.1 Each Feature, per line equipped		
a. Call Within/Intercom	None	None

GENERAL SERVICES

21. VACATION SERVICE [1] – Grandfathered as of May 12, 2020 (C)

.1 Conditions

.1.1 Vacation Service is provided where available to single line business and residence customers. Vacation Service is not available for Lifeline customers.

.1.2 No outward or inward service is provided during the period of Vacation Service.

.1.3 Vacation Service will not be made available for periods of less than one (1) month. Vacation Service is offered for a maximum period of nine (9) months. The customer's number must be working for at least 90 days in a calendar year.

.1.4 During the period of Vacation Service, no installations, moves, changes or maintenance will be provided. Changes to billing address are allowed.

.1.5 The customer may request a service restoral date in advance of the maximum allowable vacation period. If a restoration date is not requested by the customer, complete service and billing will be restored on the last day of the maximum allowable vacation period of 9 months.

.1.6 Monthly bills for line service are rendered at the Vacation Service rate during the vacation period and are to be paid in accordance with established payment regulations.

.2 Rates and Charges

.2.1 A Subsequent Service Order Charge applies for the establishment of Vacation Service for business service. There is no charge for residence service.

.2.2 A Line Connection Charge applies to restore service at the completion of the Vacation Service period for business service. There is no charge for residence service.

.2.3 During the period the customer is furnished Vacation Service, calling services or miscellaneous services associated with the line service will not be charged. Any miscellaneous services not directly associated with the line service such as Directory Listings or Operator Services will continue to be billed at their Catalog rates.

	Monthly Rate
Vacation Service, per line	-

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020. (N)

GENERAL SERVICES

22 VACATION GET AWAY SERVICE

.1 General

.1.1 Vacation Get Away Service provides for temporary discontinuance of service at the customer's request without termination of the service.

.2 Conditions

.2.1 Vacation Get Away Service applies to customers of Residential Exchange Access Service as well as vertical features, bundles and other basic services. Vacation Get Away Service is not available for Lifeline customers.

.2.2 No outward or inward service is provided during the period of Vacation Get Away Service, except for 911 calls.

.2.3 Vacation Get Away Service will not be made available for periods of less than two (2) months.

.2.4 Vacation Get Away Service is available to a customer for a maximum period of nine (9) consecutive months. The customer's number must be working for at least 90 days in a calendar year.

.2.5 During the period of Vacation Get Away Service, no installations, moves, changes or maintenance will be provided. Changes to billing address would be allowed.

.2.6 The customer may request a restoration date in advance of the maximum allowable vacation period otherwise, complete service and billing will be restored on the last day of the maximum allowable vacation period of 9 months. A service order confirmation will be sent to the customer at the time of restoral. (C)

(D)
(D)

.2.8 Vacation Get Away Service will be available where technically feasible.

.2.9 Charges for Vacation Get Away Service will be a monthly recurring fee. (C)

.3 Rates	Recurring Charge	(C)
.3.1 Vacation Get Away Service	$5.00	(I)

GENERAL SERVICES

23. BUSINESS TRAFFIC STUDY SERVICE

.1 General

.1.1 Business Traffic Study Service provides performance reports of call capacity for originating and terminating traffic on access line or hunt groups. The traffic study report enables business customers to determine how many calls terminate successfully as opposed to the number of calls that reach a station-busy condition.

.2 Description

.2.1 Traffic studies are performed, at the customer's request, on Company access lines or hunt groups with local exchange numbers.

.2.2 For customers with access lines or hunt groups at more than one location, a separate Service Establishment Charge will apply for traffic studies at each location.

.2.3 Traffic study reports may be requested for more than one access line or hunt group at a single customer location. A separate traffic study report is required for each access line or hunt group. Following is a list of possible access lines or hunt groups that would constitute one traffic study report:

Individual access line	DCS trunk group	Multiline hunt group
Feature-plan Business	PBX trunk group	Remote Call Forward
DID trunk group	ISDN BRI	DOD trunk group
ISDN PRI trunk group		
Customized Multiline Telephone Service single line		
Customized Multiline Telephone Service multiline hunt group		
Customized Multiline Telephone Service Features Attendant		
Customized Multiline Telephone Service features		

.2.4 Traffic study reports can be requested on a weekly, bi-weekly or monthly basis. The monthly rate is determined by the number of traffic study reports provided within a 4-week billing cycle.

.2.5 Along with the reports, the Company provides a recommendation of required lines to accommodate the studied call traffic based on industry standards for call traffic handling. Calculations for the recommendation are derived from traffic engineering tables. The recommendation is a close estimate and cannot be guaranteed.

GENERAL SERVICES

23. BUSINESS TRAFFIC STUDY SERVICE (Cont'd)

.3 Conditions

.3.1 Business Traffic Study Service is available only to business customers.

.3.2 Calls must be carried by the Company and billed by, or on behalf of, the Company to the customer requesting the study.

.3.3 Studies cannot be performed on toll-free or pay-per-call type telephone numbers.

.3.4 A one-week traffic study may be performed per customer location, per access line or hunt group, per calendar year, at no Service Establishment Charge and no monthly charge. Any additional traffic studies requested during the calendar year will be billed at the Rates and Charges in Paragraph .5 following.

.3.5 Traffic study report features may vary by central office switching system type.

.4 Application of Rates and Charges

.4.1 For the setup of each additional Business Traffic Study Report, per customer location, per calendar year, the Service Establishment Charge applies in addition to the monthly rate.

.4.2 The Subsequent Ordering Charge in this Catalog will apply in addition to the Service Establishment Charge for initial setup for additional traffic studies and for any subsequent additions or changes to traffic study reports in a calendar year.

GENERAL SERVICES

23. BUSINESS TRAFFIC STUDY SERVICE (Cont'd)

.5 Rates and Charges

	Nonrecurring Charge
.5.1 Service Establishment Charge, per customer location, per calendar year	
Initial One-Week Traffic Study	No charge
Setup for Additional Traffic Study	$120.00 [1]
	Monthly Rate
.5.2 Traffic Study Reports, per access line or hunt group, per calendar year	
Initial one-week study report	No charge
Each additional study report, per 4-week billing cycle	
Weekly reporting (4 reports)	$80.00
Bi-weekly reporting (2 reports)	$60.00
Monthly reporting (1 report)	$40.00

[1] A Subsequent Ordering Charge as set forth in this catalog will apply in addition to the Service Establishment Charge for initial setup for additional traffic studies and for any subsequent additions or changes to Traffic Study Reports in a calendar year.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE

.1 General

.1.1 Custom Redirect Service enables customers to redirect all or a part of their incoming switched voice and data calls to other telephone numbers. The redirection may be on a permanent basis, automatically according to predetermined parameters, and/or upon command by the customer. This service may be used in the event of a communications failure, cable cut, fire, flood, or any other event requiring calls to be handled from alternate telephone numbers or an alternate location.

.1.2 Basic Custom Redirect Service offers three options to redirect calls. The first option is usually a basic redirect to the dialed number. The customer may designate that the basic redirection feature be used in each of the options or the customer may select a Custom Redirect Optional Feature as described herein.

.2 Feature Descriptions

.2.1 Standard Features

(a) Equipped Telephone Number (ETN) – An equipped telephone number is the subscriber's called telephone number with Custom Redirect Service.

(b) Group - A group is the collection of equipped telephone numbers that will be redirected in the same way, at the same time. For example, if redirection is requested, all telephone numbers within that group will be redirected. If the customer chooses to have option three "active" in a particular group, then all equipped telephone numbers in the group will be redirected according to the direction in option three. Every group must have the same optional features in each of the options. For example, if the option column has time-of-day redirection, then the times that the numbers are redirected are the same for all the numbers in that group. The actual telephone numbers that the calls are redirected to do not have to be the same. For all optional features, the telephone number that the calls are redirected to may be different.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.2 Feature Descriptions (Cont'd)

.2.1 Standard Features (Cont'd)

(c) Option Column – An option column is a table of telephone numbers that are treated the same. Custom Redirect has three option columns per group with the basic service. Up to six additional options may be provisioned as an enhancement. If more than three options are chosen, the Additional Option charge applies per additional option chosen. Only one option is active for a group at any given time. For example, in a particular group the first option may be the original dialed number, the second option may be the home telephone number, and the third might be a telephone number in an affiliate office in another city. If option two were selected (i.e., "active"), all telephone numbers in this group would be redirected to the respective telephone number in option column two. Similarly, if the customer selected option column three to be in effect and option three was provisioned with a Custom Redirect Service optional feature then all telephone numbers in this option column would have the optional feature.

(d) Redirecting Telephone Number - A redirecting telephone number will have no office equipment associated with it and will be used solely for the purposes of redirecting call traffic from the telephone number dialed to the Custom Redirect Service customer's intended destination.

(e) Modification of Active Option - When the customer elects to redirect calls, the customer calls into the Company platform using a touch-tone telephone. Upon reaching the platform, the customer must pass through a series of security blocks to get into the system. Calls may also be redirected by calling a live attendant, who, after verifying security information, will establish the redirection of the calls. After authorization is confirmed, the customer specifies which group and which option the customer wishes to activate. A group may be a floor, department, building, or some other customer-defined list of numbers. These groups are pre-assigned upon the establishment of the service. The customer may call in to have the active option modified as frequently as desired. When calls are terminated to any number other than the originally dialed number redirection charges will apply.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.2 Feature Descriptions (Cont'd)

.2.2 Optional Features

(a) Time-of-Day/Day-of-Week Redirection - An optional feature which allows customers to redirect the customer's calls to another location at predesignated times. For example, particular numbers can be redirected to another location after 5 PM or just on Saturdays. The system will automatically route these calls until the customer changes the specifications. This will allow the customer to use a single office to perform the work of many locations during the off-peak hours. Time-of-Day/Day-of-Week Redirecting may be used with any of the option columns. If this feature is used in more than one option, the optional feature charge applies to each option utilizing the feature.

(b) Percentage Redirecting - Redirecting may be done by percentages. For example, when Percentage Redirecting is activated, the customer may direct 20% of the incoming calls to location A, 30% to location B, and 50% to location C. The customer may choose up to ten percentages, but the total must always equal 100%. The Percentage Redirecting feature may be used with any of the option columns. If this feature is used in more than one option, the optional feature charge applies to each option utilizing the feature.

(c) Number Identification Redirecting – Number Identification Redirecting allows the customer to redirect calls based upon the originating telephone number, NXX, MSA, or NPA of the incoming caller. This allows the customer to direct particular callers to specific numbers, based upon their telephone number. If an incoming caller's number is on the list, the call will be redirected to the "on-list" number. If the incoming caller's telephone number is not on the list, the call may be completed as dialed.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.2 Feature Descriptions (Cont'd)

.2.2 Optional Features (Cont'd)

(c) (Cont'd)

The customer may have as many numbers as desired on the list. The customer will be billed for each 100 numbers or any fraction thereof. Number Identification Redirecting may be used with any of the option columns. If this feature is used in more than one option, the optional feature charge applies to each option utilizing the feature.

Number Identification may not be used to pass the calling party's number to the customer.

(d) SuperGroups - The customer may choose to group their groups into SuperGroups. A SuperGroup is similar to a distribution list of groups and will allow the customer to modify the active option of multiple groups at the same time. For example, if groups 101, 102, and 105 belong to SuperGroup 001, setting SuperGroup 001 to option 3 would set 101, 102 and 105 to option 3.

The same group may belong to multiple SuperGroups and the active option would be the last option set. For example, using the definition of SuperGroup 001 above and an additional SuperGroup 002 includes groups 103, 104 and 105. If after SuperGroup 001 is set to option 3, SuperGroup 002 is set to option 2. Group 105 would be set to option 2.

(e) Single Number Destination Service – This feature will allow customers to redirect an entire group to a single number provided at the time of activation. At the time of provisioning, customers must designate an interexchange carrier of their choice to carry the redirected traffic. The billing for calls redirected using this feature will be by the carrier specified by the customer.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.2 Feature Descriptions (Cont'd)

.2.2 Optional Features (Cont'd)

(f) Custom Applications – Although most customer applications are provided using the optional features listed above, custom applications may also be provisioned. Custom applications include features where the call processing record uses a single table or single field manipulation to meet a specific customer's need. Dialed Number Recovery (DNR) is an example of a Custom Application.

Dialed Number Recovery (DNR) is a Custom Application where the original dialed number is presented to a new customer location.

(g) Alternate Central Office Triggering – The ability to place triggers in central office switches other than the original terminating central office allows customers to redirect from the office in which the call originates without requiring the call to complete to the serving central office. In the event that the serving central office is out of service the customers Custom Redirect Service may be activated and all calls processing in an office with an alternate office trigger will be redirected per the current active option at that time. Triggers are associated with a specific customer NPA-NXX.

Allowing triggers to be placed in more than the terminating central office may increase the call volumes processed because a portion of the calls may actually be processed by more than one office. The customer's Group charges would be reflective of this increased call volume.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.3 Regulations

.3.1 Custom Redirect Service is available where Company facilities permit.

.3.2 Custom Redirect Service may be provisioned with group sizes as small as one.

.3.3 Numbers requiring excessive translations work may not be eligible for this service.

.3.4 Each group may have up to three options for the basic rate. In most cases, the first option will be the called number leaving two additional options for the customer to define. If more than three options are requested, the Additional Option charges apply per additional option chosen. Up to six additional options may be provisioned as an enhancement to the basic service.

.3.5 Calls to telephone numbers associated with Custom Redirect Service must be redirected to a customer-assigned number terminating in either a customer location, an interexchange carrier's point of presence, a voice mail system, or an announcement frame within the MSA of call termination. NOTE: In the event the final destination is out of the MSA, the customer provides the primary interexchange carrier (PIC) and the Telephone Company hands the call off to the carrier selected. A redirecting telephone number cannot be used to trigger another redirecting telephone number.

.3.6 It is the responsibility of the Custom Redirect customer redirecting calls to a third party to obtain, when appropriate, the third party's permission prior to the calls being redirected.

.3.7 Charges for calls between the Custom Redirect Service equipped telephone number and the telephone number to which these calls are redirected are the responsibility of the Custom Redirect customer.

.3.8 The customer must have sufficient lines and associated facilities to handle the estimated or actual number of calls without interfering with exchange or toll service. The Company reserves the right to disconnect the service immediately in accordance with the regulations set forth in this Catalog.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.3 Regulations (Cont'd)

.3.9 Custom Redirect Service is not to be used by customers to avoid toll charges. If a customer is using this service to avoid such charges, the Company reserves the right to disconnect the service immediately and bill all appropriate toll charges.

.3.10 Termination Liability - When the service is originally ordered, a twelve-month termination liability will apply. If Custom Redirect Service is cancelled prior to the twelve-month period, the full monthly rate for each remaining month, or part thereof, will be charged. Changes to the original configuration shall not constitute a cancellation.

.3.11 5-Year Contract - Customers with more than 500 lines provisioned may choose to sign a five-year contract, which will lower the monthly line rate. In the event the customer wishes to terminate the service prior to the end of the commitment period the rate will be recalculated to the month-to-month rate and the twelve-month termination liability will apply.

.3.12 Initial Average Monthly Query Volumes are estimates only. After installation, the Company will periodically, and at its discretion, complete audits of number of queries and billing will be corrected, if necessary, to make adjustment to the monthly charges based upon the results of the audit.

.4 Application of Rates

.4.1 Service Establishment Charge - Charges will apply for the original order for Custom Redirect Service per Service Order or per Account. This charge will apply to new orders of Custom Redirect Service. If a customer is modifying an existing order, including adding additional numbers, the Rearrangement Charge applies. The addition of a new group, or a request for additional security forms, will result in a Service Establishment Charge.

.4.2 Equipped Number – There will be a monthly rate, in addition to a nonrecurring charge, for each equipped telephone number. The monthly rate per number will be based on the quantity of equipped telephone numbers within the customer's account. In addition to the monthly rate, a nonrecurring charge will apply to each number installed.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.4 Application of Rates (Cont'd)

.4.3 Group Charges (Average Monthly Group Volume) - A monthly rate, in addition to a nonrecurring charge, will apply for each group of equipped telephone numbers the customer designates. The monthly rate will be based on the estimated monthly volume of queries expected by the equipped telephone numbers. A query is launched to the AIN database when a trigger is encountered. In basic implementations, query volume is equal to the call volume, as enhancements to the call processing logic are added and additional triggers placed the query volume may exceed the call volume.

.4.4 Rearrangement Charges - A nonrecurring charge will apply to each rearrangement. This is in addition to any normal service order charge. Each change to an equipped telephone number will result in a nonrecurring charge for each equipped telephone number impacted.

.4.5 Password Initialization - This charge applies each time, after service establishment, that the customer requests that the Company reinitialize the pass code to the default pass code or is requested to modify existing security profiles. A service order will be generated after the initialization takes place and a Service Charge may also apply.

.4.6 Redirection Charges - There is no charge associated with modifying the active option. Customers may select to activate options as frequently as desired.

When calls are redirected, the Custom Redirect subscriber will pay the portion of the call from the original called office to the termination number. The rate charged will be in accordance with the customer's current usage plan similar to a call transfer or a call forward.

.4.7 Redirecting Telephone Numbers - A monthly rate and a nonrecurring installation charge for each telephone number assigned that will be used solely for the purpose of provisioning Custom Redirect Service. This telephone number will have no office equipment associated with it and will be used solely for the purposes of generating a trigger.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.4 Application of Rates (Cont'd)

.4.8 Optional Feature Charges

(a) Time-of-Day/Day-of-Week Redirection - A nonrecurring charge will apply at the time of the establishment of this feature and a flat monthly rate will be billed for each option with this feature. For changes made by the Company on behalf of the customer, rearrangement charges will apply.

(b) Percentage Redirecting - A nonrecurring charge will apply at the time of the establishment of this feature and a flat monthly rate will be billed for each option with this feature. For changes made by the Company on behalf of the customer, rearrangement charges will apply.

(c) Number Identification Redirecting - A monthly rate and a nonrecurring charge will apply for the first 100 telephone numbers listed for Number Identification Redirecting. Each additional 100 numbers or fraction thereof, will incur a nonrecurring charge and a monthly recurring charge.

(d) SuperGroups - A nonrecurring charge will apply at the time of the establishment of this feature and a flat monthly rate will be billed for each group with this feature. For changes made by the Company on behalf of the customer, rearrangement charges will apply.

(e) Single Number Destination - A monthly and nonrecurring charge will apply for each group on which this feature is ordered.

(f) Custom Application - A nonrecurring charge will apply at the time of the establishment of this feature and a flat monthly rate will be billed for each option with this feature. For changes made by the Company on behalf of the customer, rearrangement charges will apply.

(g) Alternate Central Office Trigger - A nonrecurring charge will apply at the time of the establishment of the trigger and a flat monthly rate will be billed for each NPA-NXX trigger in each central office switch in which the trigger is placed. For changes made by the Company on behalf of the customer, rearrangement charges will apply.

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.5 Rates and Charges

	Monthly Rate	Nonrecurring Charge
Service Establishment Charge, Per Service Order or Per Account	-	$500.00
Equipped Numbers (per line)		
1 – 50	$2.50	$2.35
1 – 100	$2.35	$2.35
101 – 500	$2.00	$2.35
501 – 1000	$1.50	$2.35
over – 1000	$1.10	$2.35
Equipped Numbers w/5-yr. Contract (min. 500 lines)	$1.10	$2.35
Average Monthly Group Volume (Queries/Mo./Grp.)		
Up to 1,000	$25.00	$50.00
Up to 10,000	$80.00	$50.00
Up to 25,000	$150.00	$50.00
Up to 50,000	$280.00	$50.00
Up to 75,000	$425.00	$50.00
Up to 100,000	$550.00	$50.00
Up to 250,000	$1,300.00	$50.00
Up to 500,000	$2,500.00	$50.00
Over 500,000	(Rate is determined by adding the rates for the increments above. Example: 750,000 would be the combined rates for Up to 500,000 and Up to 250,000 for a monthly total of $3,800.)	

GENERAL SERVICES

24. CUSTOM REDIRECT SERVICE (Cont'd)

.5 Rates and Charges (Cont'd)

	Monthly Rate	Nonrecurring Charge
Password Initialization, per Occasion	-	$50.00
Rearrangement/Change, per Occasion	-	$250.00
Rearrangement/Change, per Number	-	$2.35
Time-of-Day/Day-of-Week Redirection	$25.00	$100.00
Percentage Redirecting	$25.00	$100.00
Number Identification Redirecting (Includes first 100)	$50.00	$500.00
per 100 Numbers after Initial 100	$10.00	$100.00
Redirecting Telephone Number, per Number	$1.00	$5.00
Additional Option, per Option Over Three	$25.00	$200.00
SuperGroups, per SuperGroup	$1.00	$50.00
Single Number Destination, per Group	$10.00	$50.00
Custom Application	$25.00	$200.00
Alternate Central Office Trigger, per Trigger, per Switch	$1.00	$500.00

DIRECTORY LISTINGS

1. DIRECTORY LISTINGS

1. Conditions

.1 The following applies to light faced listings in the white pages (alphabetical section of the directory).

.1.1 Only information necessary to identify the customer is included in these listings.

.1.2 The Telephone Company may use abbreviations in listings when, in its judgment, the clearness of the listing or the identification of the subscriber is not impaired.

.1.3 The Telephone Company may reject a residence listing which is judged to be business or advertising. The Telephone Company may reject a listing which it judges to be objectionable or fictitious and contrived.

.1.4 Special arrangement of names designed to secure a preferential position in the alphabetical list or listings which otherwise are objectionable are not acceptable.

.1.5 A name made up by adding a term such as Company, Shop Agency, Works etc to the name of a commodity or service will not be accepted as a listing unless the subscriber is legally doing business under that name.

.1.6 Listing charges date from the day the time it is available in directory assistance and continue until the expiration date of the printed directory in which they appear.

.1.7 Incoming calls to non-published service will be completed by the Company only when the calling party places the call by number. The Company will adhere to this practice not withstanding any claim of emergency the calling party may present. In the absence of willful misconduct, no liability for damages arising from publishing the telephone number of a non-published service customer in the directory or disclosing a non-published number to any calling party shall attach to the Company and where such number is published or disclosed by a Company employee, the Company's liability shall be limited to and satisfied by a refund of any monthly charges which the Company may have made for such non-published listing service.

DIRECTORY LISTINGS

E. DIRECTORY LISTINGS (Cont'd) (N)

1. Conditions (Cont'd)

.1.8 The Company reserves the right to forward the name, address and telephone number of non-published telephone number service customers to government agencies authorized by ordinance to establish E911 service and/or subscribing to or providing E911 service.

.1.9 Non-published directory service telephone numbers associated with the line used by the calling party to place outgoing calls may be forwarded to subscribers of calling number ID.

2. Composition of Listings

.2.1 Name

Business Service (If questions arise regarding the right of a customer to list the name of a business or to use the trade name of another, the Company may require written authority from the owner of such name or trade name prior to the insertion or continuance of such listing.)

a. The name of a subscriber
b. The name of each business enterprise which the subscriber conducts
c. The name of a corporation which is the parent or subsidiary of the subscriber

Residence Service

a. The name of the subscriber
b. Another authorized residential name
c. Dual name listings for authorized by the subscriber i.e. Smith, Mary and John
d. Name of a church that includes "parsonage", "rectory", "parish house", "church study" or a descriptor that indicates it is part of a domicile (N)

DIRECTORY LISTINGS

E. DIRECTORY LISTINGS (Cont'd) (N)

3. Types of Listings

1. Primary – One listing, termed the primary listing, is provided without charge for each customer service whether billed by the same monthly statement or by separate statements for service provided by an entity with directory listing agreement.

2. Additional – A general term to denote any listing, regardless of the form, in addition to the primary listing. It may be a second listing of the primary number with different name or a listing for a telephone number for the same customer service. It may also be a cross reference listing which is a referral without a telephone number to another listing i.e JC Penney's see Penney's. A business class of service may have a residential additional listing in order to populate a record in the residential section of a directory.

3. Foreign – A listing appearing in a directory other than the directory in which local exchange service if furnished or associated with a service provider that does not have a directory listing agreement in place.

4. Extra Lines of Information – descriptive text that does not have a telephone number.

5. Non-listed - A listing that is available in directory assistance but not printed in the telephone directory.

6. Non-published – A telephone number that is not listed in either directory assistance or in the telephone directory. (N)

DIRECTORY LISTINGS

E. Directory Listings (Cont'd)

4. Rates

	Residential	Business	
Additional Listing	$6.00	$44.00	(I)
Non-Listing	$6.50	$6.50	
Non-Publish	$7.00	$7.00	
Foreign Exchange Listing	$6.00	$11.50	
Extra Lines of Information	$5.50	$44.00	(I)

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

1. LOCAL DIRECTORY ASSISTANCE SERVICE

.1 GENERAL

.1.1 Directory Assistance Service is (1) the answering of a telephone call from a customer, and (2) the furnishing of telephone number listings, if such information is listed in the Company's directory assistance records, as follows:

a. The requested telephone number when the customer furnishes a city, state and the listed name.

b. The business name and telephone number when the customer does not provide a listed name and requests a category or type of business search (business category search).

.1.2 A maximum of two (2) requested telephone numbers will be provided for each Directory Assistance call when the customer furnishes a city, state and listed name.

.1.3 No more than two (2) business category searches may be requested per call to Directory Assistance Service. For each business category search request, the operator may respond with up to three (3) random listings. A listing is the name and telephone number. A request can be for either a local or national business.

.2 CONDITIONS

.2.1 The Company shall not be liable for any errors or omissions, whether arising through negligence or otherwise, in the information furnished; and the customer shall indemnify and save the Company harmless against all claims (including costs and reasonable attorneys' fees) that may arise from the use of such information.

.2.2 The provisions of this offering are applicable to Directory Assistance Service which is furnished with the customer's Home Numbering Plan Area (Area Code) except in Market Service Area (MSA) 1 where a Directory Assistance call placed to a foreign Numbering Plan Area within MSA 1 will also be subject to the provisions stated herein.

.2.3 Exemptions

All calls to Directory Assistance placed (1) from dormitory stations or (2) from the account of a blind or physically handicapped customer, who has so identified himself to the Company, are exempt from charge.

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

1. LOCAL DIRECTORY ASSISTANCE SERVICE (Cont'd)

.3 RATES

.3.1 A charge for each call to Directory Assistance applicable to the customer's account.

.3.2 Where a customer requests operator assistance to place a call to Directory Assistance, the surcharge as shown in Section 14 of this Catalog is applicable in addition to the charge for Directory Assistance Service.

.3.3 Directory Assistance, per call * (C)

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/. (N)

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

2. DIRECTORY ASSISTANCE CALL COMPLETION SERVICE

.1 GENERAL

.1.1 Directory Assistance Call Completion provides a mechanized announcement offering call completion to a directory assistance customer requesting an IntraMSA number.

.1.2 DACC will be provided on rotary dial telephones through voice recognition equipment.

.1.3 DACC will only be furnished where facilities and operating conditions permit.

.1.4 This offering provides call completion only on an IntraMSA call.

.1.5 DACC will not be provided to the following services: WATS [1] Services, 800 Services, 900 Services, 976 Services, Customer Owned Coin Telephone Exchange Service (COCTS) or COPT Coin Line Service.

.1.6 The calling party will incur a *per minute usage charge for all toll calls completed between the calling station and the station connected via DACC. No usage plan discounts will apply to calls connected via DACC. IntraLATA calls completed through the use of DACC will be carried by the Telephone Company, notwithstanding the identity of the presubscribed IntraLATA carrier (ILC PIC) selected by the customer. (C)

.2 LIABILITY

.2.1 The Company assumes no responsibility or liability for any errors in the information furnished. The caller shall indemnify the Company and hold it free and harmless of and from any and all claims, demands or damages that shall arise from the use of the service. The service is furnished solely for the telephone calling purposes of the caller. Provisions concerning limitations of liability and allowance for interruption in service are set forth in this Catalog.

.3 RATES

.3.1 The following rate is in addition to the rates and charges for other catalog services including any applicable toll charges.

	Rate	
Directory Assistance Call Completion, per call completed	*	(C)

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/. (N)

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

3. NATIONAL DIRECTORY ASSISTANCE/CUSTOMER NAME AND ADDRESS SERVICE

.1 GENERAL

.1.1 National Directory Assistance will provide the customer with directory listings from Frontier's directory assistance database. This database will make all Frontier listings available to any operator workstation along with national listings from other provider database(s). Frontier will provide listings for residential, business, government, Frontier 1-800, and Frontier local emergency numbers. Customer Name and Address Service is a reverse search feature which allows the caller to request a customer's name and/or address after giving the directory assistance operator a complete phone number.

.2 CONDITIONS

.2.1 The customer will receive a maximum up to two listings per call i.e.; two NDA numbers, one NDA number and one CNA listing or two CNA listings.

.2.2 The Company shall not be liable for any errors or omissions, whether arising through negligence or otherwise, in the information furnished; and the customer shall indemnify and save the Company harmless against all claims (including costs and attorney's fees) that may arise from the use of such information.

.2.3 The customer will have access to any in- or out-of-franchise, number/address listing within the continental US, Alaska and Hawaii, with the exception of non-published listings. When a non-published number/address is requested, the message "Non-published number/address" or "NP" is displayed and no information will be available.

.2.4 Charges for National Directory Assistance/Customer Name and Address Service are not applicable to calls placed by customers who certify they are unable to use a directory because of visual or physical handicap.

.2.5 National Directory Assistance and Customer Name and Address service will be available where technology permits.

.3 RATES

	Rate Per Call	
National Directory Assistance/ Customer Name and Address Service	*	(C)

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/. (N)

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

4. OPERATOR ASSISTED LOCAL CALLING SERVICE

1. General

.1 The provisions shown herein apply when connections (local calls) between stations belonging to the same local calling area are established with the assistance of a Company operator.

2. Conditions

.1 All local calls which are direct dialed by the customer are subject to charge, unless otherwise exempted by Paragraph 2.2 following.

.2 Charges do not apply to the following local calls:

.2.1 Calls which require operator assistance to reach local emergency service agencies such as police, sheriff, fire department, poison control, etc.

.2.2 Calls which require operator assistance to reach the Company business office or repair service.

.2.3 Calls requiring operator assistance which are placed from the accounts of customers who have been certified by a registered physician or recognized agency as unable to direct dial a local call because of a visual or physical handicap.

.2.4 Calls which require operator assistance due to equipment malfunctions which prevent completion of direct dialed calls.

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

4. OPERATOR ASSISTED LOCAL CALLING SERVICE

2. Conditions (Cont'd)

.3 Definitions

.3.1 Calling Card calls – Customer dialed Calling Card rate applies where the person originating the call dials and completes the call either with or without the assistance of an operator and is billed, where automatic billing equipment is available, to an authorized Telephone Company calling card.

.3.2 Operator Assisted Station to Station - A service whereby the caller places a non-Person to Person call with the assistance of an operator (live or automated).

.3.3 Collect - A billing arrangement by which the charges for a call may be billed to the called party, provided the called party agrees to accept the charges.

.3.4 Operator Assisted Person to Person - An operator assisted call in which the person originating the call specifies a particular person to be reached, or a particular station, room number, department, or office to be reached. The calling party is responsible for identifying the party at the called station

.3.5 Operator Assisted Time and Charges - A service requested of the operator before a call begins. After completion of the call, the operator calls back and specifies the length of the call (in minutes) and the charge for the call. (T)

.3.6 Operator Assisted – Corrections - Applicable to each outgoing message where the person originating the call is calling from a correctional facility using special restricted correction service. The restricted correction service only provides corrections collect calls via an automated operator. (T)

.3.7 Billed to Third Number - Operator assisted telephone call that can be billed to the party other than the calling and called party. The operator calls the third number for the party to accept the charges before the call can proceed.

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

4. OPERATOR ASSISTED LOCAL CALLING SERVICE

2. Conditions (Cont'd)

.3 Definitions (Cont'd)

.3.8 Live Operator Fee

In addition to other operator service charges set forth in this section (or wherever the other operator service charges reside in the Catalog), a Live Operator fee is applied when the customer chooses to speak with a live operator. The customer is informed by the automated system of the applicable charges prior to connection to the operator. The charge will be collected at the time of payment processing.

This fee will not apply if:
- The automated payment systems are unavailable due to system outages.
- Customer is requesting a call to an emergency service.
- Call cannot be made by the automated system.

(D)

(D)

DIRECTORY AND OPERATOR ASSISTANCE SERVICE

4. OPERATOR ASSISTED LOCAL CALLING SERVICE

3. Rates

.1 Local Operator Assistance charges are in addition to any rates and charges associated with Local or Long Distance Message Telecommunications Service.

.2 Local Operator Assistance charges do not apply to calls placed to the Company business office, Company repair service or to emergency agencies such as 9-1-1 service, police, fire, rescue or ambulance.

.3 These charges are not subject to any discounts.

	Charge Per Call
Operator Service:	
For customer dialed Calling Card Calls	*
Operator Assisted Station to Station	*
Collect	*
Operator Assisted Person to Person	*
Operator Assisted Time and Charges	*
Operator Assisted - Corrections	*
Billed to Third Number	*
Live Operator Fee	*

(D)

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/.

UNIVERSAL SERVICE DISCOUNTS FOR SCHOOLS AND LIBRARIES

1. UNIVERSAL SERVICE DISCOUNTS FOR SCHOOLS AND LIBRARIES

.1 Schools and libraries may be eligible to receive discounts on services offered in this Catalog. The discounts are available to the extent that they are funded by the federal universal service fund subject to the terms and conditions set forth in FCC rules, 47 CFR 54.500 - 54.517. Discounts on intrastate telecommunications services for eligible schools and libraries are subject to the requirements stated in the FCC's Report and order 97-157, in CC Docket No. 96-45 and 83 Ill. adm. code part 765 as set forth in Section 254 of the Telecommunications Act of 1996.

.2 The following matrix (adopted by the FCC) indicates the discounts and eligibility requirements:

UNIVERSAL SERVICE FUND MATRIX		
Percent of Students eligible for national school lunch program	Urban Discount	Rural Discount
< 1	20%	25%
1-19	40%	50%
20-34	50%	60%
35-49	60%	70%
50-74	80%	80%
75-100	90%	90%

.3 Beginning on July 1 of each year, for the following funding year (which is the calendar year), schools and libraries can submit requests for telecommunications services to the fund administrator. Requests will be reviewed and approved by the fund administrator on a first-come first-serve basis. All K-12 public and private elementary and secondary schools, as defined in the Elementary and Secondary Education Act of 1965, are eligible for discounts on whatever package of telecommunications services they desire from any provider they choose. All public libraries are eligible for the same range of discounts as schools.

.4 All schools and libraries must certify with the universal fund administrator, that the services they receive at a discount will be used only for educational purposes, and that services provided to them at a discount will not be sold or resold in any manner.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

2. UNIVERSAL SERVICE DISCOUNTS FOR NON-PROFIT HEALTH CARE PROVIDERS

.1 Section 254(h) of the 1996 Telecommunications Act also requires the provision of telecommunications services to public, non-profit health care providers located in rural areas at rates that are comparable to rates charged to commercial customers in urban areas. Following passage of the Act, the Federal Communications Commission held proceedings and sought input from interested parties for the purpose of adopting rules implementing the requirements of the Act. On May 7, 1997, the FCC adopted a universal service support program for the nation's public, non-profit rural health care providers.

.2 Carriers shall provide services to eligible rural entities at prices no higher than the highest urban rates charged for similar services, and carriers shall be eligible for support from the fund administrator for the difference between the rural rate for a service and this urban rate. For purposes of determining the appropriate pre-discount price (i.e., the rural rate), the FCC said that the rural rate shall be the average of the rates actually being charged to commercial customers for identical or technically similar services provided by a carrier providing the service in the rural area in which the health care provider is located. Such rates shall exclude any rates reduced by universal service programs. Where a carrier provides no identical or similar services in a rural area, the rural rate shall be the average of the tariffed or publicly available rates other carriers charge for the same or similar services in that rural area. If there are no similar services being provided in the area, either by the carrier or by others, the carrier must use a cost-based rate application procedure to determine an appropriate pre-discount (rural) rate.

.3 The urban rate to be charged to eligible entities shall be a rate no higher than the highest tariffed or publicly available rate actually being charged to a commercial customer within the jurisdictional boundary of the nearest large city. The FCC decided on using the nearest city in the state with a population of at least 50,000 because an MSA (Metropolitan Statistical Area) as defined by the Office of Management and Budget is based in part on counties with cities having a population of 50,000 or more, and every state has at least one MSA with a city that size. The FCC concluded that it would be easy to compare a city's jurisdictional boundaries with a carrier's rate or exchange maps to ascertain precisely the applicable urban rate. Carriers would bill rural health care providers the urban rate, and they would receive support from the universal service fund for the difference between the rural rate and the urban rate.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

2. UNIVERSAL SERVICE DISCOUNTS FOR NON-PROFIT HEALTH CARE PROVIDERS (Cont'd)

.4 Under the definitions provision of the Act, eligible health care providers include: (1) post-secondary educational institutions offering health care instruction, teaching hospitals, and medical schools; (2) community health centers or health centers providing health care to migrants; (3) local health departments or agencies; (4) not-for-profit hospitals; (5) rural health clinics; and (6) consortia of health care providers including the above. Specifically excluded are rural home care providers. Entities are deemed rural if they are in a nonmetropolitan county or county equivalent, as defined by the Office of Management and Budget, or are not in any census tract or block numbered area, or contiguous group of such tracts or areas, within an MSA-listed metropolitan county identified in the most recent Goldsmith Modification published by the Department of Human Services' Office of Rural Health Policy. The fund administrator will post on a website the most recent version of the MSA list and instructions for identifying the MSA census tract or block numbered area where a rural health care provider is located.

.5 Unlike the schools and libraries program, the FCC decided that only telecommunications services should be designated for support for health care providers. However, only commercially available telecommunications services of bandwidths up to and including 1.544 Mbps (or the equivalent transmission speed) are eligible for support. Terminating services, as in the case of wireless telephone air time charges, are also supported, but data links and customer premise equipment are not supported. Any telecommunications service within the prescribed bandwidth limitations used to obtain access to an Internet service provider is eligible for support. In addition, any eligible entity that cannot obtain toll-free access to an Internet service provider is eligible for support and may receive the lesser of the toll charges incurred for 30 hours of access to an Internet service provider or $180 per month in toll charge credits. Such support shall be available only for toll charges and not for distance sensitive charges for a dedicated connection to an Internet service provider, and such support shall be provided only until toll-free access becomes available to the community in which the health care provider is located.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

2. UNIVERSAL SERVICE DISCOUNTS FOR NON-PROFIT HEALTH CARE PROVIDERS (Cont'd)

.6 As with schools and libraries, beginning on July 1 each year, for the following funding year (which is the calendar year), eligible health care providers can submit requests for telecommunications services to the fund administrator. Requests will be reviewed and approved by the fund administrator on a first-come, first-serve basis. The fund administrator will then post a description of the services sought on an Internet website for all potential competing service providers to see and respond to as if they were requests for proposals.

.7 Health care providers are required to certify, when they submit their applications to the fund administrator, that the services they are requesting will be used exclusively for purposes reasonably related to the provision of health care services or instruction that the health care provider is legally authorized to provide under applicable state law. Telecommunications carriers are required to maintain records of how they allocate the costs of shared facilities among consortium participants in order to charge eligible health care providers the appropriate amounts. Carriers have asked the FCC to reconsider this requirement since they are not in a position to know how services are being used by the various members of a consortia. Carriers are also required to keep detailed records of services provided to rural health care providers, and such records shall be available for public inspection.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

1. LEARNING LINK SERVICE

1.1 Description of Service

A. This section contains rates and regulations applicable to Learning Link Service, furnished by the Telephone Company over facilities wholly within the State of Illinois, between two designated points.

B. Learning Link Service is offered to qualified educational institutions. Qualified educational institutions shall be limited to school district; public or private not-for-profit schools enrolling more than 20 pupils for kindergarten up through grade 12; and public or private degree-granting, libraries [1], not-for-profit colleges or universities.

C. Learning Link Service consists of a point-to-point transmission path only, operating at a speed of 1.544 Mbps between two designated educational institution locations or a designated education institution and a provider of authorized educational services as set forth in Illinois Public Utilities Act, Section 13-505.7.

1.2 Rate Elements

Rate Elements for Learning Link Service are as follows:

A. Nonrecurring charges

Installation charge for establishment of the service.

B. Link

One Link is associated with each location at which the point-to-point transmission path terminates and provides the path from the location to its serving wire center. The Link charge is also applicable at each location in those cases when the facilities to the location do not transit a serving wire center. Clear Channel Capability will be provided at no monthly recurring charge subject to conditions set forth in Tariff Ill. C.C. No. 15. Clear Channel nonrecurring charges are applicable.

[1] Libraries subscribing to Learning Link Service are limited to public libraries organized under the Public Library District Act of 1991 or the Illinois Local Library Act, and regional library systems organized under the Illinois Library System Act.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

1. LEARNING LINK SERVICE (Cont'd)

1.2 Rate Elements (Cont'd)

C. Transport

A flat rated transport charge is applicable for facilities within a single Market Service Area (MSA) between wire centers, or to a meet point, if the two locations are served from different wire centers.

D. Intermediary Access Connection

The Intermediary Access Connection charge is applicable for connection to the state education backbone network or to an Interexchange Carrier.

1.3 Terms and Conditions

A. Service orders to install, change or disconnect Learning Link Service will be placed with the Telephone Company by qualified educational institutions who wish this service.

B. Qualified educational institutions ordering this service will be considered the Customer of Record for all facilities, and as such, will be solely responsible for the payment to the Telephone Company of all charges, nonrecurring and recurring, associated with this service. The Customer of Record will be responsible for reporting service interruptions to the Telephone Company.

1.4 Credit Allowances

Credit allowance will be given for interruptions to Learning Link Service subject to regulations set forth in of this Catalog. The Learning Link Service is considered interrupted when the customer reports to the Telephone and the Telephone Company confirms that continuity has been lost or that the service is operating at a performance level of 300 or more seconds of transmission containing errors in a continuous fifteen-minute period. The amount of the credit allowance will be at the rate of 1/2880 of the monthly service rate for each interruption.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

1. LEARNING LINK SERVICE (Cont'd)

1.5 Payment Plans

A. Optional Payment Plan (OPP)

1. Learning Link Service is offered under an Optional Payment Plan (OPP) of 1, 3 or 5 years. OPP Monthly rates under this plan will not be subject to Telephone Company initiated rate increases during the term of the customer's OPP.

2. With the written permission of the Company, consistent with other regulations contained in this Catalog, the obligation to pay the OPP charges may be assumed by another customer (qualified educational institution) if the service has not been terminated and if the other customer intends to continue the service at the present location and actually continues such use. Such assumption of service does not relieve or discharge the original customer from remaining severally liable with the transferee for any and all obligations existing at the time of the transfer.

3. During a customer's OPP term, conversion may be made to a new OPP of the same or different length without liability, if the expiration date for the new service or OPP term is beyond the end of the original OPP term.

4. Six months prior to completion of the customer OPP term, any term then available under the OPP may be selected at the rates currently in effect for new customers at the time of the renewal. The customer will be charged that rate for the renewal payment period upon execution of the new OPP.

   If the customer does not elect a new OPP and does not request discontinuance of the service, service will revert to the month-to-month rate currently in effect. At a later date, the customer may elect any OPP term currently in effect for new customers.

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

1. LEARNING LINK SERVICE (Cont'd)

1.5 Payment Plans (Cont'd)

A. Optional Payment Plan (OPP) (Cont'd)

5. Termination Liability Charges

In the event service under the OPP is terminated prior to the expiration of the contracted term, the customer will immediately become liable for payment of a termination liability charges based on the monthly OPP charges for the remainder of the term as set forth following:

The dollar difference between the current monthly OPP rate for the OPP term that could have been completed during the time the service was actually in service, or the monthly rate for the service in place less than twelve months and the customer's current OPP rate for each month the service was provided.

For example: A customer subscribed to a 5-year OPP term and discontinued the service during the 37th month. The termination liability would be:

(3-year OPP rate - 5-year OPP rate) x 37

The 3-year OPP term could have been completed during the months the service was actually in service.

All termination charges will be based on the OPP rates in effect at the time of termination.

Termination charges will apply to all changes in the physical location of the service except for changes in the customer's physical location of Learning Link Service within the same MSA.

General Exchange Catalog

UNIVERSAL SERVICE DISCOUNTS & LEARNING LINK

1. LEARNING LINK SERVICE (Cont'd)

1. LEARNING LINK SERVICE (Cont'd)

1.5 Payment Plans (Cont'd)

B. Prepayment Plan

At any time during an OPP term, monthly charges for the remaining term of the OPP contract may be prepaid.

If the customer elects to prepay, he will receive a credit on the monthly bill, which will reflect the value of the prepayment amount over the life of the OPP contract. The credit will be used to offset the monthly Catalog rates which will continue to be billed. The prepayment amount will reflect the present worth of the monthly credit using an interest rate of 10.6% per year.

Prepayment of monthly charges does not alter any other conditions of the OPP contract.

1.6 Rates and Charges

	Month to Month Rate	Optional Payment Plan 1 Year	3 Years	5 Years
A. Nonrecurring Charges				
Installation Charge, per Link or Intermediary Access Connection	$900.00	$100.00	$100.00	$100.00
B. Recurring Charges				
Link, per Termination	$216.40	$187.00	$165.00	$150.00
Transport	$140.00	$140.00	$140.00	$140.00
Intermediary Access Connection	$216.40	$187.00	$165.00	$150.00

General Exchange Catalog

CONSTRUCTION CHARGES

1. GENERAL

.1 All rates and charges quoted in this General Exchange Catalog provide for the furnishing of service or channels when suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs.

.2 When the revenue to be derived from the service or channels is not sufficient to warrant the Company assuming the unusual costs of providing the necessary construction, the customer may be required to pay all or a portion of such costs, the amount depending upon the circumstances in each case.

.3 When construction is provided by a connecting company, charges made to the customer will be based on the charges of the connecting company.

.4 Where a customer is so located that it is necessary to use private right-of-way to furnish a service or channels and the Company is unable to obtain the required right-of-way without cost, the customer may be required to pay the entire costs involved in securing such right-of-way.

.5 Title to all construction, except conduit, provided on private property at the customer's expense is vested in the Company.

.6 Construction charges are payable at the time application for service is signed or when construction work is started at the option of the Company.

.7 "Cost" as used in this section, is to be interpreted to mean the cost of labor and materials, including charges for supervision and other overhead expenses.

.8 Any pole line or underground construction furnished by the customer is subject to the approval of the Company.

General Exchange Catalog

CONSTRUCTION CHARGES

2. CONSTRUCTION ON PRIVATE PROPERTY

.1 Poles and fixtures on private property must be furnished by the customer and maintained by the Company, unless furnished as a part of the Company's distributing plan for serving customers in general or when furnished under the provisions of sub-paragraph 2 (e) below. Underground conduit must be furnished and maintained by the customer.

.2 Labor and material necessary in providing underground conduit on private property of the customer for which construction charges are applicable may be furnished by the customer or by the Company and charged to the customer. Title to conduit is vested in the customer.

.3 All construction must be in accordance with Company specifications and is to be under the exclusive control of the Company as long as it is used by the Company in the furnishing of its services, except as the control of such pole line construction may be shared with another company using poles jointly with the Company.

.4 Exposed wiring is the standard method of wiring in all buildings where no conduit or other means of concealment is provided. When concealed wiring is desired in buildings where no means of concealment is provided, the applicant may be charged the difference between the installation costs of the concealed wiring and the costs of the standard exposed wiring. However, if suitable interior conduit, grooving, molding, wainscoting, or other similar means of concealment are provided, either by the building owner or by the applicant, the wiring is installed therein by the Company without additional charge.

.5 Entrance Facilities on Private Property

.5.1 Where the Company constructs facilities on private property to furnish service to an applicant, the Company will provide without construction charge two poles or the number necessary to furnish five hundred twenty-eight feet of circuit entrance.

General Exchange Catalog

CONSTRUCTION CHARGES

2. CONSTRUCTION ON PRIVATE PROPERTY (Cont'd)

.5 Entrance Facilities on Private Property (Cont'd)

.5.2 The applicant will be required to pay for construction on private property in excess of five hundred twenty-eight feet as follows:

	Rate
a. Each 1/10th mile or fraction thereof	$130.00

.5.3 Pole line construction for entrance facilities, except where there is a joint use arrangement with some other company, is owned, maintained and replaced by the Company.

CONSTRUCTION CHARGES

3. SPECIAL TYPES OF OUTSIDE CONSTRUCTION

.1 When underground construction is desired by the customer where aerial facilities ordinarily would be provided without a construction charge to the customer, the following regulations apply.

.1.1 Where the cable is laid in conduit, the underground conduit is constructed and maintained by or at the expense of the customer. The construction charge made to the customer is based on the cost of the underground cable including the cost of installing the cable, less the estimated cost to the Company of installing such aerial facilities as would be required for similar use. The underground conduit shall be constructed in accordance with plans and specifications furnished by or acceptable to the Company.

.1.2 The duct or ducts required in the underground conduit by the Company are reserved for its exclusive use.

.1.3 When cable is laid in a trench, the construction charge made to the customer is based on the cost of the cable including the cost of installing the cable less the estimated cost to the Company of installing such aerial plant as would be required for similar use.

.1.4 Cable installed in conduit or trench will be maintained and replaced at the expense of the Company. However, repairs to or replacements of cable made necessary by damages caused by the customer, his employees or representatives, or by water freezing in improperly drained conduits, will be at the customer's expense.

.2 When indirect routing or special type of construction is provided at the customer's request, in cases where facilities would ordinarily be provided without construction charge to the customer, the excess cost of the indirect routing or special construction is borne by the customer.

.3 When an applicant, customer, association, government entity or political division or other third-party requests a change in the type, location or the relocation underground of communications facilities used to provide telephone service, the requestor shall be required to pay the cost incurred by the Telephone Company for such charge or relocation of facilities. Payment for the cost of the change or relocation must be made prior to the change or relocation.

General Exchange Catalog

CONSTRUCTION CHARGES

4. CHANGES FROM AERIAL TO UNDERGROUND FACILITIES

.1 Where aerial facilities are used to provide service or channels to a customer and subsequently the customer desires that such facilities be placed underground, the change from aerial to underground is made subject to the following conditions:

.1.1 The cable is owned and maintained by the Telephone Company. However, repairs to or replacements of cable made necessary by damages caused by the customer, his employees or representatives, or by water freezing in improperly drained conduits will be at the customer's expense.

.1.2 The following rate is applicable for transferring aerial facilities to underground facilities.

	Rate
Each 1/10th mile or fraction thereof	$130.00

5. CHARGES APPLICABLE FOR FACILITY EXTENSION (N)

.1 When an applicant requests new service or upgraded service where construction of line facilities is required, the Telephone Company will cover the construction costs up to $500.00. Any Construction charges over $500.00 shall be recovered from the applicant. Construction charges for multicircuit customers will be on an ICB basis. (N)

RESERVED FOR FUTURE USE (T)

(D)

(D)

RESERVED FOR FUTURE USE (T)

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RESERVED FOR FUTURE USE (T)

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RESERVED FOR FUTURE USE (T)

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General Exchange Catalog

PREMIUM SERVICE LINES

1. DESCRIPTION OF SERVICE

.1 Premium Service Lines consists of service and facilities for an Information Providers pre-recorded announcements or interactive programs. This service enables a caller, for a charge, to dial a Premium Service Lines telephone number and receive a Premium Service Lines Provider's recorded announcement or interactive program. As part of this service, the Company will transport calls and bill callers on behalf of Premium Service Lines Provider. Each completed call to a Premium Service Lines number will be made at a charge to the caller.

.2 An interactive program is a program whereby a caller through the use of a Touch Calling pad or similar device can communicate with the Premium Service Lines Provider equipment for the purpose of sending or receiving information.

.3 Premium Service Lines blocking enables a business or residence subscriber to prevent the completion of intraMSA Premium Service Lines calls where the subscriber is served by a technically capable central office.

.4 An Information Provider and/or sponsor is a customer providing Pay-Per-Call Services who wishes the Company to bill calls on its behalf for all calls completed to the Provider's announcement or interactive program and for whom the Company agrees to provide such billing. A caller to a 976 number is a client of the Information Provider and/or 976 Program sponsor.

.5 Pay-Per-Call Services - are telecommunications services which permit simultaneous calling by a large number of callers to a single telephone number and for which the calling party is assessed, by virtue of completing the call, a charge that is not dependent on the existence of a presubscription relationship and for which the caller pays a per-call or per-time-interval charge that is greater than, or in addition to, the charge for transmission of the call.

General Exchange Catalog

PREMIUM SERVICE LINES

2. GENERAL

.1 Because the capacity of central office equipment and network facilities to furnish Premium Service Lines is limited:

.1.1 Service will only be furnished where facilities and operating conditions permit.

.1.2 If the Company has reason to believe that permitting the commencement or continuation of the 976 Program under this catalog schedule is adversely affecting or would adversely affect the Company's ability to provide complete or maintain the level of or quality of its other services to its other subscribers, the Company may refuse to provide Premium Service Lines or may discontinue providing such service. Unless, in the judgement of the Company, an emergency condition exists or is threatened, the Company shall give 24 hours notice of discontinuance. Where such emergency condition exists or is threatened, the Company shall give notice of discontinuance as promptly as reasonably possible.

.2 The Company reserves the right not to render bills to calling parties for calls to any announcement or program if the Company, in its sole judgement, determines that billing for those calls may be detrimental to the reputation or public image of the Company. Billing, in those cases, will be the sole responsibility of the Premium Service Lines Provider or sponsor.

.3 Premium Service Lines Provider sponsorship of any particular recorded announcement or interactive program shall not preclude the Company from providing service to another Premium Service Lines Provider sponsoring the same or similar announcement or program.

.4 The Premium Service Lines Provider shall indemnify and defend the Company against and hold the Company harmless from any and all losses, claims, demands, causes of action, damages, costs or liability in law or inequity of every kind and nature whatsoever, including attorney fees, arising directly or indirectly from material transmitted, and from any act or omission of the Provider or caller while using or attempting to use Premium Service Lines said service and facilities.

.5 The limitation of the Company's liability is set forth in this catalog.

General Exchange Catalog

PREMIUM SERVICE LINES

2. GENERAL (Cont'd)

.6 One directory listing per announcement or program will be furnished without charge in each directory within a Premium Service Lines local calling area. Directory listings for Premium Service Lines must specify that additional charges apply to calls placed to the listed number. Additional directory listings will be furnished at rates as set forth in the Company's tariffs or catalogs.

.7 Each direct dialed sent paid call (toll or local) will be at a predetermined amount established by the Premium Service Lines Provider plus any other appropriate rate (including toll charges). Any request by the Premium Service Lines Provider for a change in the amount the Company is to bill per call must be received by the Company in writing, at least 30 days prior to the proposed effective date.

.8 Direct dialed sent paid calls from flat or measured rate access lines within the Premium Service Lines local calling area do not incur message unit or zone calling charges.

.9 The Company will deny all third-party calls and collect calls to Premium Service Lines numbers. All calls to a Premium Service Lines from coin telephones and all calls requiring Company operator assistance or handling will also be denied.

.10 The minimum length of each message shall be 78 seconds or one complete cycle of a 60 second message, a 15 second disclosure message, and 3 seconds for the caller to hang up if they do not wish to complete the call. Following the initial 78 second message, message length may be increased in 30 second increments. Total length of a message shall never exceed 198 seconds. If the agreed upon message length is more than 78 seconds, the Premium Service Lines Provider will pay the additional time rate. The Provider must notify the Company whenever the message length is to be increased or decreased. If the message length is longer than that agreed upon, the Company may terminate the service.

General Exchange Catalog

PREMIUM SERVICE LINES

2. GENERAL (Cont'd)

.11 Within the first 15 seconds of a call and prior to the connection to a Premium Service Lines program, the Information Provider will notify the caller of the following:

.11.1 Specific information stating:

a. The name of the program.
b. The information charge for the call.
c. The date the information was recorded, if the information is a recorded message.
d. If the caller disconnects the call within the delayed timing period, the caller will not be charged for the call.
e. That minors must have parental permission (if the program is directed to minors).
f. That minors should be aware that the cost of the call will appear on their parent's bill (if the program is directed to minors).
g. That minors should hang up if the program is adult in nature.
h. Any additional charges that the caller must incur to obtain the full information or service.
i. The dollar amount (or percent of the total price of the call) that will go to which charity, if an Information Provider is fund raising.

11.2 At least three seconds at the end of the message within the delayed timing period for the caller to hang up without being charged if he or she has not already disconnected the call. However, transport charges will be billed to the Premium Service Lines Provider from the time of the initial connection.

.12 If the service is disconnected, all remittance money due to the Premium Service Lines Provider may be credited or applied to the final bill issued for the recurring charges associated with the catalog schedule, or for the facilities provided to connect the Provider's premises equipment to the serving central office.

.13 Upon termination of a Premium Service Lines, the Premium Service Lines telephone number will not be reassigned for at least six (6) months.

General Exchange Catalog

PREMIUM SERVICE LINES

2. GENERAL (Cont'd)

.14 The Premium Service Lines Provider is responsible for provision of the recorded announcement or interactive program and all necessary Provider premises equipment.

.15 The Premium Service Lines Provider's automatic announcement equipment will be of a design which automatically disconnects after playing out one full cycle of the message.

.16 The Premium Service Lines Provider established call rate will not be less than $0.20.

.17 The name, address and telephone number for inquiries of information providers which have billing and transport arrangements with the Company may be released to callers upon request. The Company may, at its discretion and if the information is available, release the same information for providers with whom it does not have billing and transport arrangements.

.18 The Company will immediately terminate service to any Premium Service Lines Provider for fraud or unlawful business practices.

.19 The Company will provide, where conditions permit, Billing and Collecting Service containing neither fewer nor more than the following elements:

.19.1 Call Recording - the recording of completed calls to a specific 976 number.

.19.2 Message Processing - the transformation of recorded call detail into rated calls in preparation for billing of those calls.

.19.3 Bill Processing and Collection (with inquiry) - the preparation of bills and subsequent collection of payment by subscribers to Information Services. The Company will be responsible for all matters concerning billing, collection, adjustment, and call investigation.

General Exchange Catalog

PREMIUM SERVICE LINES

3. PREMIUM SERVICE LINES PROVIDER OBLIGATION

.1 The Premium Service Lines Provider will furnish continuous uninterrupted automatic recorded announcement or interactive program service.

.2 The Provider is responsible for the preparation and recording of all announcements and shall be solely responsible for the contents of the announcements and the quality of speech or sounds of the recording.

.3 The Provider understands and agrees that all announcements must comply with the Federal, State and Local laws, rules and regulations.

.4 Each Provider advertisement, publication or other communications containing the Premium Service Lines telephone number to be called shall clearly and conspicuously display the Premium Service Lines local calling area, what the per call rate is for direct dialed calls from within that area and that calls from outside the area will be at normal toll rates plus the Premium Service Lines call rate.

In addition, all television advertisements must include a voice-over announcement of the price of the 976 Call and, in those advertisements directed to minor children, an admonition to seek parental permission before calling the 976 number.

All Premium Service Lines programs directed to minor children which contain an inducement or "teaser" to call back shall include an admonition to seek parental permission before calling back and indicate charges are involved in making the call. All Premium Service Lines programs containing a cross-promotion to another recording shall include an announcement of the price of the cross-promoted Premium Service Lines call.

.5 The Provider assumes all financial responsibility for all costs involved in providing announcements or interactive program services including but not limited to, the Provider premises equipment, producing the announcement or interactive program development, advertising and promotional expense.

.6 For exchange toll network sizing and protection, each Provider must furnish the Company with an estimate of annual call volumes, the expected busy hour and busy hour call volumes and message lengths for each announcement or interactive program.

PREMIUM SERVICE LINES

3. PREMIUM SERVICE LINES PROVIDER OBLIGATION (Cont'd)

.7 The Provider is required to subscribe to as many Premium Service Lines access lines, restricted to incoming calls only, as in the judgement of the Company are required to adequately handle calls without impairing the service to others.

.8 The Provider assumes, according to other specific rates and charges under catalog, all financial responsibility for all facilities required to connect the equipment located on the Provider's premises to the central office which serves the particular prefix code used for Premium Service Lines.

4. COMPANY OBLIGATION

.1 On behalf of the Premium Service Lines Provider, the Company will bill the Provider's clients (callers) for all direct dialed sent paid calls completed to the announcement or program.

.2 A one-time adjustment per subscriber shall apply to 976 charges incurred when it is established that (1) for calls by a minor child, the calls were made by the minor child without parental consent, or (2) the calls were not authorized by the subscriber. The subscriber must request an adjustment within 60 days of the bill date on the bill in question. These adjustments apply to the vendor charge only. Toll charges shall not be included in the adjustment.

.2.1 If a subscriber requests a second adjustment for 976 charges, the Company may, at its option, place 976 blocking on the caller's line.

.2.2 The Company may block access to 976 service for callers who fail or refuse to pay 976 charges.

.3 If the Company determines a caller is generating high 976 usage, the Company may contact the caller for early notification. The Company shall inform the caller of the charges and of blocking options. If contact cannot be made, the Company may temporarily block 976 calls until it has made contact with the caller, informed him of the charges and determined if he desires to resume service.

General Exchange Catalog

PREMIUM SERVICE LINES

4. COMPANY OBLIGATION (Cont'd)

.4 The Premium Service Lines Provider must establish a specific complaint procedure and an adjustment policy. The Company will adopt the established procedure when the Company provides Billing and Collection services for the Provider.

.5 The Company will issue a remittance check monthly to the Premium Service Lines Provider based on the total number of direct dialed sent paid calls, completed to the Premium Service Lines Provider's announcement or program minus any calls adjusted by the Company.

The amount of remittance will be the difference between the Premium Service Lines Provider's established rate per call and the Company's Transport and Billing rate per call multiplied by the number of qualifying calls less any nonrecurring or recurring charge owed the Company by the Premium Service Lines Provider.

.6 Included with the Premium Service Lines Provider's monthly bill will be a summary of the number of calls on which the amount of remittance is based.

5. RATES

.1 Cost Allocation Surcharge

.1.1 Each month the Company will assess a 5% cost allocation to the Premium Service Lines Provider based on the amount due them. This surcharge allows the Company to recover subscriber uncollectibles. Once actual uncollectible data by Premium Service Lines Provider and/or Sponsor is available, the 5% cost allocation surcharge will be deleted and all actual uncollectibles will be subtracted from the amount remitted.

.2 The rates and charges in .3 following apply to Premium Service Lines in addition to any additional appropriate rates and charges of the Company.

General Exchange Catalog

PREMIUM SERVICE LINES

5. RATES (Cont'd)

.3 Rates and Charges Applicable to Premium Service Lines Provider:

	Nonrecurring Charge	Monthly Rate
.3.1 Initial establishment of Premium Service Lines or reassignment of existing facilities to a new service in each area code on the same service order, per announcement or interactive program, per Program	$325.00	-
.3.2 Any change in established call rate or telephone number, per announcement, interactive program	$100.00	-

.3.3 Transport and Billing of Calls

	Initial 60 Seconds	Each Additional 30 Seconds or Fraction Thereof
a. Transport, per Call	$0.070	$0.030

.3.4 Billing and Collection Services

a. Billing and Collection charge billed to the Premium Service Lines Provider

Provider Rate Per Call	$0.20-$0.50	$0.51-$2.00	$2.01-$3.00
Billing and Collection Rate, per Message	$0.08	$0.15	$0.25

PREMIUM SERVICE LINES

5. RATES (Cont'd)

.3 Rates and Charges Applicable to Premium Service Lines Provider: (Cont'd)

.3.5 Calls for which no remittance is made to the Premium Service Lines Provider:

a. Calls adjusted by the Company

b. Calls which are determined to be uncollectible

.4 Rates and Charges Applicable the Caller:

.4.1 Calls for which a remittance is made to the Premium Service Lines Provider:

a. Direct dialed sent paid calls originating from within the Premium Service Lines local calling area, each call	A predetermined amount established by the Premium Service Lines Provider.
b. Direct dialed sent paid calls originating from outside the Info contact local calling area, each call -	A predetermined amount established by the Premium Service Lines Provider plus the appropriate toll call rate

General Exchange Catalog

SWITCHED DATA SERVICE

1. GENERAL

.1 Switched Data Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. This is a digital data transmission service which provides a data link between two Switched Data users via switched facilities. The network connection is established on a call-by-call basis.

2. CONDITIONS

.1 In addition to the following conditions, appropriate regulations established in other tariffs or catalogs of the Company will also apply.

.2 The minimum billing for this service is one month.

.3 The provision of Switched Data Service and associated features are subject to the availability of certain Central Office and outside plant facilities.

.4 Switched Data Service is not available for resale of service.

.5 Switched Data requires the use of customer provided data equipment which must be compatible with the Telephone Company's equipment and facilities. Grade of transmission is guaranteed only to the serving central office.

.6 The Switched Data customer loop is subject to distance limitations as a result of digital signal power loss which are central office switch technology dependent. Switched Data Service will be provided where local loops do not exceed the following limitations:

.6.1 On a DMS-100 central office switch: 42 dB loss at 80 kilohertz, equating to a range from approximately 12,000 feet to approximately 18,000 feet, depending on cable gauge and including customer wiring.

.6.2 On a GTD-5 central office switch: 26 dB loss at 80 kilohertz, equating to a range from approximately 8,000 feet to approximately 15,000 feet, depending on cable gauge and including customer wiring.

SWITCHED DATA SERVICE

2. CONDITIONS (Cont'd)

.6 (Cont'd)
Where the conditions in .6.1 and .6.2 above cannot be met, the customer must subscribe to Switched Data Channel Access for Switched Data Service.

Where a customer's local serving central office is not capable of providing Switched Data Service the Company will determine the nearest capable central office. Interoffice High Capacity DS-1 (1.544 Mbps) mileage will apply from the non-capable central office to the central office capable of providing Switched Data Service at the rates specified in other Tariffs or catalogs of the Company, for High Capacity DS-1 (1.544 Mbps) Facilities. In this situation, the customer will utilize the dialing plan associated with the central office that provides the digital dial tone. (NOTE: The DS-1 Special Transport Termination charge is not to be applied in conjunction with the DS-1 Special Transport Per Airline Mileage charge.)

.7 Customers utilizing the voice option of this service may subscribe to Custom Calling features. The Switched Data features contained in this catalog are to be used exclusively with the Switched Data Service.

.8 Access to Switched Data Service is obtained through a dial-up connection via the public switched telephone network using the standard 7 through 10-digit methods. Origination of calls for 800, 900, 976, 0- (IntraMSA) and 0+ (IntraMSA) types of calls is limited to voice calls only. These types of calls will be provided with the Voice Option feature of Switched Data Service when requested by the customer.

.9 Customer Premises Channelization, a component of Switched Data Channel Access, may be provided by the customer or the Company. When the Company provides the channelization equipment at a customer's premises, it is not necessary for the customer to provide channel access cards for associated channels. The termination of this channelization will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source of non-switched 120 volt, 60 HZ AC power to support this service.

.10 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Switched Data Service.

.11 Directory Listings for Switched Data Service will be provided upon customer request in accordance with other Tariffs or catalogs of the Company.

General Exchange Catalog

SWITCHED DATA SERVICE

3. DESCRIPTION

Low Speed Switched Data - Supports 300, 1200, 2400, 4800, 9600 and 19,200 bits per second asynchronous full or half duplex connections and 1200, 2400, 4800, 9600 and 19,200 bits per second synchronous full or half duplex connections.

High Speed Switched Data - Supports 48,000, 56,000, and 64,000 bits per second synchronous full duplex connections.

Customer Premises Termination - Provides for termination at the customer's premises. The termination is provided per access (DS1 or 24 channels).

Single Line Feature:

Data Line Security - This feature prevents a data call from being interrupted by override tones, such as a call waiting tone, or other test or busy verification tests that would interrupt the flow of data.

Customized Multiline Telephone Service Line Features (Includes Data Line Security)

Intercom Dialing - Intercom dialing equates to intrasystem or station-to-station dialing. This feature allows customer group stations to complete calls to other stations without the assistance of an attendant, by dialing a 2 through 7 digit number. This feature is applicable to Customized Multiline Telephone Service customer groups and is restricted to the serving wire center only.

Direct Dialing - This feature allows calls to be placed between Switched Data lines within a customer group and Switched Data lines outside of the customer group without the assistance of an attendant. This feature is applicable to Customized Multiline Telephone Service customer groups only.

General Exchange Catalog

SWITCHED DATA SERVICE

3. DESCRIPTION (Cont'd)

Customer Premises Channelization (Cont'd)

Optional Features:

Data Direct Connect - This feature provides an automatic connection between a Switched Data calling line that goes off-hook and a predetermined location.

Data Closed User Group - This feature, restricted to Customized Multiline Telephone Service lines only, provides partitioning of Switched Data lines into groups where calls within such a group are allowed, but calls between such groups are denied.

Voice Option - This feature allows simultaneous voice and data communications over a single Switched Data line. This feature is available where technical capabilities exist. This feature is not available with Switched Data Channel Access.

Optional Features Packages: [1]

Feature Package Data 1000 includes:

Data Individual Speed Call 8 - The use of the Data Individual Speed Call 8 is limited to an individual Switched Data line. Consists of a maximum of eight (8) stored numbers. This feature is not available with Switched Data Channel Access.

Data Call Forward (All/Busy/No Answer) - This feature allows a customer to have incoming calls to a Switched Data line automatically forwarded to a predetermined number. Data Call Forward consists of three variations as follows: all calls, busy and no answer. This feature is not available with Switched Data Channel Access.

Data *66 Busy Number Redial - This feature enables a subscriber to redial the last called number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access.

Data Toll Restriction - This feature will restrict toll calls from being placed over Switched Data lines.

[1] Optional Feature Packages are available for Single Line and Customized Multiline Telephone Service applications. Some features will function only with Customized Multiline Telephone Service Lines.

SWITCHED DATA SERVICE

3. DESCRIPTION (Cont'd)

Optional Features Packages: [1] (Cont'd)

Feature Package Data 1000 includes: (Cont'd)

Data Sequential Hunt Group - This feature assigns a pilot directory number to the hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot directory number and ending at the last line.

Feature Package Data 2000 - This package contains the features, with the exception of Data Individual Speed Call 8, included in Feature Package Data 1000, and:

Data Call Back - This feature allows a Switched Data user encountering a busy station to be notified when the busy station becomes idle and to automatically establish the call. This feature is available with Customized Multiline Telephone Service intercom calling only. This feature is not available with Switched Data Channel Access.

Data Saved Number Redial - This feature allows a customer to dial a saved number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access.

Data Circular Hunting - This feature assigns a pilot directory number to the hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached. This feature is not available with Switched Data Channel Access.

Data Group Speed Calling - This feature, restricted to Customized Multiline Telephone Service lines, provides storage for an abbreviated numbers list which is shared for use by a group of data lines. The list may be updated by a service order or by a user designated as the controller. Only the controller can add to, change or delete numbers from the list. Other lines with access to this list are restricted. This feature is available with Customized Multiline Telephone Service intercom calling only. This feature is not available with Switched Data Channel Access.

Data Individual Speed Call 30 - The use of the Data Individual Speed Call 30 is limited to an individual Switched Data line. Consists of a maximum of thirty (30) stored numbers. This feature is not available with Switched Data Channel Access.

[1] Optional Feature Packages are available for Single Line and Customized Multiline Telephone Service applications. Some features will function only with Customized Multiline Telephone Service Lines.

General Exchange Catalog

SWITCHED DATA SERVICE

3. DESCRIPTION (Cont'd)

Optional Features Packages: [1] (Cont'd)

In addition to the Explanation of Terms (Definitions) set forth in other Tariffs or catalogs of the Company, the following definitions will apply:

Asynchronous - A method of transmitting data in which each transmitted character is preceded by a start bit and followed by a stop bit, thus permitting the interval between characters to vary.

Bit - A binary digit. The smallest unit of information in the binary system of notation.

Bits Per Second - The number of bits transmitted per second. A measure of the speed of transmission of digital information.

Customer Group - defines a set of stations that have common features and system parameters including abbreviated dialing.

Digital - Information which is expressed in discrete or noncontinuous form.

Full Duplex - Type of communication that supports the transmission of signals in both directions simultaneously.

Half Duplex - Type of communication that supports transmission of signals in both directions but is not capable of simultaneous and independent transmission and reception.

Hunting - A search through a group of numbers until an idle station is found or the last number of the group is reached.

Synchronous - A method of transmitting data in which the data characters and bits are transmitted at a fixed rate with the transmitter and receiver synchronized, eliminating the need for individual start bits and stop bits.

[1] Optional Feature Packages are available for Single Line and Customized Multiline Telephone Service applications. Some features will function only with Customized Multiline Telephone Service Lines.

General Exchange Catalog

SWITCHED DATA SERVICE

4. RATES AND CHARGES (See Notes)

.1 The following rates are in addition to the rates and charges for other associated services and applicable service charges shown in other Tariffs or catalogs of the Company. The rate elements applicable for Switched Data Service are:

.1.1 Switched Data Service Access Line Monthly Rate (Low Speed, High Speed or Channel Access).
.1.2 Network Usage
.1.3 Service Charge
.1.4 Optional Feature/Feature Packages
.1.5 Software Reconfiguration Charge
.1.6 Customer Premises Termination and Channelization (Optional)

.2 Switched Data Customer line rates are determined by the total number of Low Speed and/or High Speed lines requested per customer (i.e., if a Customized Multiline Telephone Service customer requests 55 Low Speed lines and 25 High Speed lines, all Low Speed lines will be billed at the "50-100" rate and all High Speed lines will be billed at the "2-49" rate).

	Monthly Rate	Nonrecurring Charge
.2.1 Switched Data Customer Line [1]		
a. Low Speed Access:		
Single Line	-0-	
Customized Multiline Telephone Service	-0-	
Single Line, per Line	$37.00	$50.00
Customized Multiline Telephone Service Line		
2-49 Lines, each	$40.00	$50.00
50-100 Lines, each	$37.00	$50.00
101 and above Lines, each	$34.00	$50.00

1. Local Loop Charge is included in the Switched Data Line Rate.
2. The Nonrecurring Charge applies in lieu of the Connection Charge as stated in other Tariffs or catalogs of the Company.

[1] Network Usage Charges are applicable to all local calls, except for Customized Multiline Telephone Service intercom calls, as set forth in other Tariffs or catalogs of the Company. The maximum monthly usage charge as specified in other Tariffs or catalogs of the Company does not apply to Switched Data Service.

General Exchange Catalog

SWITCHED DATA SERVICE

4. RATES AND CHARGES (Cont'd)

.2 (Cont'd)

.2.1 Switched Data Customer Line [1]

b. High Speed Access:	Monthly Rate	Nonrecurring Charge
Single Line	-0-	
Customized Multiline Telephone Service	-0-	
Single Line, per Line	$47.00	$50.00
Customized Multiline Telephone Service Line		
2-49 Lines, each	$50.00	$50.00
50-100 Lines, each	$47.00	$50.00
101 and above Lines, each	$44.00	$50.00
c. Switched Data Channel Access:		
Switched Data Channel Access (24 Channels DS-1 Facility)	[2]	[2]
Central Office Termination, per Access Arrangement	150.00	125.00
Central Office Channelization Single Line, per Channel Activated	6.00	NA
Customized Multiline Telephone Service, per Channel Activated	6.00	NA
Multiline with DOD, per Channel	6.00	NA

[1] Network Usage Charges are applicable to all local calls, except for Customized Multiline Telephone Service intercom calls, as set forth in other Tariffs or catalogs of the Company. The maximum monthly usage charge as specified in Company documentation does not apply to Switched Data Service.

[2] Appropriate charges (Monthly Rates and Nonrecurring Charges) apply as set forth in other Tariffs or catalogs of the Company for High Capacity DS-1 (1.544 Mbps) Facilities and mileage.

General Exchange Catalog

SWITCHED DATA SERVICE

4. RATES AND CHARGES (Cont'd)

.2 (Cont'd)

.2.1 Switched Data Customer Line [1] (Cont'd)

	Monthly Rate	Nonrecurring Charge
c. Switched Data Channel Access: (Cont'd)		
Customer Premise Termination, per Access Arrangement	$100.00	$75.00
Customer Premise Channelization, per Access Arrangement	$25.00	$20.00

.2.2 Optional Features [2]

Data Direct Connect, each line	$1.00
Data Closed User Group, each line	$1.00
Voice Option	
Single Line, each	$5.00
Customized Multiline Telephone Service, each	$5.00

[1] Network Usage Charges are applicable to all local calls, except for Customized Multiline Telephone Service intercom calls, as set forth in other Tariffs or catalogs of the Company. The maximum monthly usage charge as specified in Company documentation does not apply to Switched Data Service.

[2] A Subsequent Service Order Charge is applicable for the addition of optional features and feature packages.

SWITCHED DATA SERVICE

4. RATES AND CHARGES (Cont'd)

.2 (Cont'd)

	Monthly Rate
.2.3 Feature Packages [1]	
a. Feature Package Data 1000 (includes Data Individual Speed Call 8 [2], Data Call Forward (All/Busy/No Answer), Data *66 Busy Number Redial, Data Toll Restriction, and Data Sequential Hunt Group), each line	$3.00
b. Feature Package Data 2000 (includes Data Call Forward (All/Busy/No Answer), Data *66 Busy Number Redial, Data Toll Restriction, Data Sequential Hunt Group, Data Call Back, Data Saved Number Redial, Data Circular Hunting, Data Group Speed Call, and Data Individual Speed Call 30), each line	$5.00

	Rate Per Occurrence
.2.5 Software Reconfiguration Charge	$12.75

.2.6 The Software Reconfiguration Charge is applicable for any software changes that are required to make changes for Optional Features (e.g., changing Speed Call Lists, Data Direct Connection Destination, etc.) or Feature Packages. The Subsequent Service Charge shown in other Tariffs or catalogs of the Company is also applicable.

[1] A Subsequent Service Order Charge is applicable for the addition of optional features and feature packages.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE

.1 GENERAL

.1.1 Digital Channel Service is an intraexchange multifunctional Digital Channel Service which provides network access between a customer's premises and the local serving office on a channelized basis (DSO) within a single high-capacity (DS1) digital facility.

.1.2 Digital Channel Service is provided in capacity increments of 24 DS1 digital channels within a single DS1 facility.

.1.3 The following types of network services as specified in other tariffs or catalogs are available on a channelized basis via Digital Channel Service. These services may be furnished on a link basis across multiple jurisdictions when connected with Digital Channel Service.

a. Exchange Service (exchange lines/trunks and Customized Multiline Telephone Service lines.)

b. Analog Service (foreign exchange, off premises extensions, voice private lines, tie lines.)

c. Digital Data Service (2.4; 4.8; 9.6; 56 Kbps)

d. DS1 (1.544 Mbps) Service

e. Switched Data Service

.1.4 Digital Channel Service is comprised of the following components:

- Digital Channel Capacity
- Service Activation

a. The Digital Channel Capacity and Service Activation will be at the rates and charges as specified in Paragraph 1.6 of this Catalog.

b. Customers will have to select capacity in increments of 24 digital channels. Customers will be offered a Term Payment Plan of 36, 60, or 84 months.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.2 DIGITAL ARCHITECTURE AND DEFINITIONS

.2.1 Digital Architecture

Digital Channel Service differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service.

The time required to provision service is known as the service date interval. The service date interval for Digital Channel Service and related network services connected to Digital Channel Service will differ from the normal guidelines applicable to end-to-end services.

Digital Channel Service will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like tie lines, off-premises stations, and PBX trunks can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DSO channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications of the 1.544 Mbps (DS1) channel which is actually terminated. Each DSO channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer (optional) to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer (optional).

.2.2 Definitions

Digital Channel Capacity

A multifunctional DS1 signal between the customer premises and the central office. This digital link can be used to transport switched and dedicated services. This element acts as the transport medium for the service activations ordered by the customer. Digital Channel Capacity is available in increments of 24 Digital Channels.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.2 DIGITAL ARCHITECTURE AND DEFINITIONS (Cont'd)

.2.2 Definitions (Cont'd)

Service Activation

A Service Activation is the connection between Digital Channel Service and the network service accessed.

Channel Service Unit (CSU)

The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DSO

The term DSO denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in Section 7000 of the Technical Interface Reference Manual.

DS1

The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are stated in Section 7000 of the Technical Interface Reference Manual.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.3 REGULATIONS

.3.1 Digital Channel Service is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company.

.3.2 This service is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in other Company Tariffs or catalogs may be applicable.

.3.3 Interoffice transport mileage will apply on an Individual Case Basis when a customer requested Digital Channel Service must be provisioned in a central office other than the customer's local serving office.

.3.4 The customer may activate any number or combination of digital channels within the limitations as set forth in Paragraph 1.3.7. Digital channels may be activated coincident with installation or at any time subsequent to Digital Channel Capacity installation. Once activated, a digital channel is subject to a minimum service period of 30 days.

.3.5 All Digital Channel Service must be channelized in a single equipment location on a customer's premises. Digital Channel Service cannot be split between premises, or multiple locations within a premises. Tie lines or extensions (as specified in other Company Tariffs or catalogs) may be furnished on a link basis between multiple locations. Standard network interfaces will be provided by the Company for analog and digital services consistent with existing practices. Intraexchange channel service mileage rates apply to extensions on continuous property in different buildings and/or noncontinuous property locations as specified in other Company Tariffs or catalogs.

.3.6 The regulations, rates, and charges specified in this Catalog are applicable for the Digital Channel Service component of the customer's end-to-end service. The regulations, rates, and charges in other sections of this Catalog and other Company Tariffs or Catalogs are applicable to the customer's interconnected services (i.e., tie lines, private lines, special access lines, etc.), for the non- Digital Channel Service component of the customer's end-to-end service.

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.3 REGULATIONS (Cont'd)

.3.7 The total number of digital channels activated by the customer may not at any time exceed the total Digital Channel Capacity. Additionally, there are some necessary restrictions in total system capacities where certain types of services are channelized, i.e., some channelizing equipment may require two DSO channels per channel provided by the Company thereby reducing the basic system stated capacity substantially. The Company will notify the customer when the Digital Channel Capacity is affected.

.3.8 Central Office channelization (component of Digital Channel Capacity) generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. This channelization is also intended for use at Company or customer designated locations where different high capacity digital network links terminate in the same Central Office and must be converted to individual analog or digital channels before individual service links can be cross-connected. Digital Channel Capacities are provided in groups of 24 Digital (DSO) channels and are subject to the limits as set forth in paragraph 1.3.7 of this Catalog.

.3.9 The termination of this channelization will be in a single equipment location on a customer's premises. The customer must provide suitable floorspace, controlled environment, and a source of non-switched 120 volt 60 Hz AC power to support this service. Emergency backup power and ring generating equipment capabilities are available for an extra charge on an individual case basis.

.3.10 Channelization on a customer's premises must be provided by the customer. Provisioning of channelized services introduces joint responsibilities between the customer and the Company as specified following:

a. Responsibilities of the Company:

a.1 The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.

a.2 The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.3 REGULATIONS (Cont'd)

.3.10 Channelization on a customer's premises must be provided by the customer. Provisioning of channelized services introduces joint responsibilities between the customer and the Company as specified following: (Cont'd)

a. Responsibilities of the Company: (Cont'd)

a.3 The Company will attempt to limit its selection of Central Office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.

a.4 The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.

a.5 The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover, if required.

a.6 Digital synchronization timing for Digital Channel Service will be provided by the Company.

b. Responsibilities of the Customer:

b.1 The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.

b.2 The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with the Company provided channelization at the Central Office.

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.3 REGULATIONS (Cont'd)

.3.10 (Cont'd)

c. Trouble resolutions:

The Company will assist the customer in resolving any installation or day-to-day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Travel Charge as set forth in Paragraph 1.5.2b.3 of this Section to the customer.

.3.11 The technical specifications and standard network interfaces for DS1 and associated channelized services are stated in Section 7000 of the Technical Interface Reference Manual. Channelized DS1 service is available only with D4 channel bank equipment or compatible, equivalent equipment.

.3.12 Low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single DS1 signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer on an individual case basis.

.3.13 When a customer's Digital Channel Service is interrupted due to any cause other than the negligence or willful act of the subscriber or the failure of the facilities provided by the subscriber, a pro rata adjustment of the monthly charges involved will be allowed automatically for the service and facilities rendered useless and inoperative by reason of the interruption during the time said interruption continues in excess of 24 hours from the time it is reported to or detected by the Company except as otherwise specified in this catalog. The adjustment shall not be applicable for the time that the Company stands ready to repair the service and the subscriber does not provide access to the Company for such restoration work.

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.4 APPLICATION OF RATES

.4.1 Three basic rate elements; Digital Channel Capacity, Digital Channel Activation, and Service Activation are applicable to each Digital Channel Service.

.4.2 The Digital Channel Capacity element provides for the transport and the central office channelization. Digital Channel Capacity is offered with 36, 60, or 84 month Term Payment Plan periods.

.4.3 Service Activation charges are recurring charges and are applicable for each network service (switched or dedicated) required by the customer. Service Activation is offered on a month-to-month basis. For DS1 services, a DS1 Service Activation charge is applicable. In addition, a network access charge as described in 1.4.5 may apply.

.4.4 Monthly rates and charges as specified in Paragraph 1.6 of this Catalog for Digital Channel Capacity apply according to the requested channel capacity. These rates apply regardless of the number of digital channels that are actually activated by the customer at a point in time.

.4.5 Exchange and long-distance calling is provided within Digital Channel Service via network access charges at the rates and charges specified in Paragraph 1.6 of this Section. A network access charge will apply to each Service Activation that utilizes basic exchange access from the local serving office, except Usage Sensitive Service and Foreign Exchange Service. The network access charges when utilized for Customized Multiline Telephone Service will be ordered and billed as shown in other section(s) of this Catalog. This charge is in addition to all other applicable Digital Channel Service charges.

.4.6 Rates and charges specified in other Catalog sections for services such as Touch Calling, Custom Calling features, etc., are in addition to the monthly rates for Digital Channel Service.

.4.7 The rates and charges for other services connected or extended beyond Digital Channel Service (i.e., off-premises stations, tie lines, private lines, special access services, etc.) are in addition to the rates specified in this Catalog for the Digital Channel Service portion necessary to provide the customer's end-to-end service. This will also apply to Nonrecurring Charges and Service Charges as specified in other Company Tariffs or catalogs for activities involving the non- portion of the customer's end-to-end service.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.4 APPLICATION OF RATES (Cont'd)

.4.8 Digital Channel Capacity is available under Term Payment Plans only for rate periods of 36 months, 60 months, or 84 months. All elements of a Term Payment Plan will expire at the same time (be coterminous).

a. The customer may order additional Digital Channel Capacity(s) during a Term Payment Plan period. The expiration date of the additional capacity(s) will be the same expiration date as the original Term Payment Plan period.

b. Service Activation charges are available on a month-to-month basis.

c. Individual network services (switched or dedicated) that are connected to Digital Channel Service, are not available under the Term Payment Plan rate stability provisions. Those services are subject to their standard provisions and minimum service periods as appropriate.

.4.9 In the event Digital Channel Service is terminated by the customer prior to completion of the initial term commitment period, the customer shall be liable for payment of termination liability charges as set forth in this catalog.

.4.10 Transfer of service responsibility between customers is permitted subject to the rules and regulations as specified in Paragraph 1.5.2b.5. Charges as specified in Paragraph 1.5.2b.6 will apply.

.4.11 Unless specified herein, the Regulations contained elsewhere in the Company's Catalogs are applicable to Digital Channel Service. These Regulations include but are not limited to:

- Cancellation of service
- Application for service
- Payment Arrangements
- Limitation of Liability

.4.12 Should customers request interconnection between different Digital Channel Services provisioned in two or more different local serving offices, interoffice transport mileage rates will be provided on an Individual Case Basis. This charge will apply in addition to Digital Channel Service charges.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.5 TYPES OF RATES AND CHARGES

There are two basic types of rates and charges that apply to Digital Channel Service; monthly rates and nonrecurring charges. The rates and charges are described as follows:

.5.1 Monthly rates

Monthly rates are recurring charges that apply each month or fraction thereof that Digital Channel Service is provided. For billing purposes, each month is considered to have 30 days.

.5.2 Nonrecurring Charges

a. Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Digital Channel Service are those listed below.

b. Service Charges

b.1 Service Establishment Charge

This charge applies to the initial Digital Channel Capacity(s) ordered by a customer for receiving, recording and processing the request for service. This charge includes processing orders to establish initial Digital Channel and Service Activations. This charge includes common centralized testing, coordination and accounting activities. This charge also applies to subsequent orders received to establish additional Digital Channel Capacity(s).

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.5 TYPES OF RATES AND CHARGES (Cont'd)

.5.2 Nonrecurring Charges (Cont'd)

b. Service Charges (Cont'd)

b.2 Service Change Charge

This charge applies on a per Digital Channel Capacity (increments of 24 channels) basis associated with a customer request for modifications to an existing Digital Channel Service. This would include activities such as but not limited to:

- change of associated channel assignment.
- additions of supplemental features.
- activate/deactivate Service Activations.

b.3 Travel Charge

This charge applies on a per visit basis for the termination or rearrangement on a customer's premises. Only one charge applies when more than one channel is terminated or rearranged at the same customer premises at the same time.

This charge also applies to inside moves as specified in 1.5.2b.6. This charge also applies when the Company is dispatched to a customer premises caused by customer equipment troubles as stated in Paragraph 1.3.10.

b.4 Installation of Digital Channel Service

These are nonrecurring charges associated with the work performed by the Company in connection with the physical installation activities involving central office and/or outside plant facilities. These charges apply at initial installation and for additions to existing service.

In addition to these charges, the appropriate Service Charge will apply.

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.5 TYPES OF RATES AND CHARGES (Cont'd)

.5.2 Nonrecurring Charges (Cont'd)

b. Service Charges (Cont'd)

b.5 Service Rearrangements

Service Rearrangements are changes to existing (installed) services which may be administrative only in nature or involve an actual physical change to the service.

In cases where multiple service rearrangements, additions, moves and/or rearrangements are requested by the customer, the total charge will never exceed the full nonrecurring charge for the initial service.

- Changes in ownership or transfer of responsibility from one customer to another at the same location with no physical change to the service will incur the Service Establishment Charge per service, per change.

- Changes in the physical location of the point of termination are treated as Moves which are described and charged for as set forth in Paragraph 1.5.2b.6.

b.6 Moves

A move involves a change in the physical location of the point of demarcation at a customer's premises. The charge for the move depends on whether the move is within the same customer's premises (same address and/or same building) or to a different customer's premises (different address and different building).

- Inside Move - the move is to a new point within the same customer premises. The charge for the move will be the Service Change Charge, Travel Charge, plus an amount equal to one half the nonrecurring charge per Digital Channel Capacity (per group of 24 Digital Channels).

- Outside Move - the move is to a different customer premises. The Service Establishment Charge will apply plus all applicable nonrecurring charges.

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.6 RATES AND CHARGES

.6.1 Nonrecurring Charges

a. Service Charges

	Nonrecurring Charge
a.1 Service Establishment Charge, per Digital Channel Service	$300.00
a.2 Service Change Charge, per Digital Channel Service, each (increment of 24 channels)	$150.00
a.3 Travel Charge, per Visit, each	$8.50

.6.2 Digital Channel Capacity

The rates for Digital Channel Capacity without activated services are as follows:

	Monthly Charge	Nonrecurring Charge
a. 36 Month Term		
First 24 Channels	$170.00	$250.00
Each Additional 24 Channels	$170.00	$250.00
672 Channel System	$2,250.00	$7,000.00
Each Additional 672 Channel System	$2,250.00	$7,000.00

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE (Cont'd)

.6 RATES AND CHARGES (Cont'd)

.6.2 Digital Channel Capacity (Cont'd)

The rates for Digital Channel Capacity without activated services are as follows:

	Monthly Charge	Nonrecurring Charge
b. 60 Month Term		
First 24 Channels	$140.00	$250.00
Each Additional 24 Channels	$140.00	$250.00
672 Channel System	$2,100.00	$7,000.00
Each Additional 672 Channel System	$2,100.00	$7,000.00
c. 84 Month Term		
First 24 Channels	$120.00	$250.00
Each Additional 24 Channels	$120.00	$250.00
672 Channel System	$1,950.00	$7,000.00
Each Additional 672 Channel System	$1,950.00	$7,000.00

General Exchange Catalog

DIGITAL NETWORK SERVICES

1. DIGITAL CHANNEL SERVICE

.6 RATES AND CHARGES (Cont'd)

	Nonrecurring Charge	Month to Month
.6.3 Service Activations		
a. Per network service		
a.1 Exchange Line/Trunk-USS	-0-	$9.00
Customized Multiline Telephone Service Line	-0-	$5.00
a.2 Foreign Exchange, Off Premises Extension, Private Line, Tie Line	-0-	$13.00
a.3 Digital Data Service 2.4 Kbps or 4.8 Kbps or 9.6 Kbps	-0-	$28.00
a.4 Digital Data Service 56 Kbps	-0-	$28.00
a.5 DS1 Service (1.544 Mbps)	-0-	$50.00
a.6 Switched Data Service [1]		
.1 Single Line	-0-	$10.00
.2 Multiline with DID and DOD	-0-	$10.00
.3 Customized Multiline Telephone Service	-0-	$10.00

[1] Usage charges shown in this catalog for Switched Data Service will apply.

Regulatory Affairs

ABBREVIATED DIALING SERVICES

1. 811 DIALING SERVICE

.1 General

811 Dialing Service (811) is a custom call-routing application utilizing a three-digit local dialing arrangement, terminating to a customer-provided number for access to advance excavation notice services. It provides the calling party an easy-to-remember three-digit dialing code with call delivery to established 811 subscribers. The 811 code was assigned for this purpose pursuant to the Sixth Report and Order, released March 14, 2005 by the Federal Communications Commission in CC Docket No. 92-105, which specifies that such calls be delivered to a number provided by the relevant 811 subscriber that is not a toll call for the party dialing the number (i.e., either a toll-free (8XX) or local number). This catalog covers calls originating on lines terminating in a Frontier North Inc., switch (i.e., originating and terminating within the same MSA); it does not cover 1+, 0+, 0- operator-assisted, 101XXXX, or inmate calls). If the customer requires a change to the terminating numbers, additional charges may apply. 811 does not provide Caller ID information on a real-time basis.

.2 Conditions

Calls placed using 811 are automatically routed to the 811 subscriber's terminating number, which the customer must provide in the form of either a toll-free number or a local number whose local calling area covers all of the locations to which the service is provided. The customer shall provide Frontier North Inc., with this number in advance so that Frontier North Inc., may properly translate its central office switches. If charges are required to re-route the call to the terminating number, they will be cared for by the use of a customer-provided toll-free number. Frontier North Inc. is not responsible for redirecting or otherwise handling 911 and other calls misdialed or misrouted as 811 calls. The customer shall provide sufficient terminating number paths to its toll-free or local terminating number so as to not clog nor impair Frontier North Inc's network.

The rates and terms of this catalog are premised on the customer's commitments, unique network design requirements, and the customer's service mix, usage patterns and concentration, and other characteristics. Frontier North Inc's offering of 811 to the customer also is conditioned on the customer's representation that it has been authorized by appropriate state authorities to receive and respond to 811 calls from the public within the areas served by Frontier North Inc., and that the customer has obtained all licenses, authorizations, and other prerequisites necessary to provide that service, and will at all times comply with all applicable laws and regulations.

General Exchange Catalog

ABBREVIATED DIALING SERVICES

1. 811 DIALING SERVICE (Cont'd)

.2 Conditions (Cont'd)

The 811 service period is five (5) years. At the end of the service period, 811 will continue on a month-to-month basis.

The 811-service establishment rate is based on the current number of switches in Frontier North Inc's network utilized to provide 811 service. The Company reserves the right to file catalogs at a later date if network rearrangements made at customer request require Frontier North Inc., to incur additional costs.

The Company reserves the right to discontinue the service, with notice, if interruption of 811 is necessary to prevent or protect against fraud or otherwise protect Frontier North Inc's personnel, facilities or services.

811 is not available for resale.

.3 Limitations on Liability

The Company assumes no liability for any issue arising from the fact that, in some 811 applications, physical call routing boundaries may not match exactly with the boundary of the subscriber's requested service area, e.g., state boundaries. In these cases, calling parties could have access to another state and/or area provider instead of the Illinois J.U.L.I.E. Workaround arrangements may be required to properly route traffic due to differences in switch type, switch software, and the subscriber's terminating telephone number. The Company assumes no liability due to Caller ID/Automatic Number Identification (ANI) information being unavailable or incorrect due to these workarounds.

General Exchange Catalog

ABBREVIATED DIALING SERVICES

1. 811 DIALING SERVICE (Cont'd)

.3 Limitations on Liability (Cont'd)

The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission, or failures or defects in facilities furnished by the Company occurring in the course of furnishing service or other facilities (Service Problems) and not caused by the negligence of the customer, or by the Company in failing to maintain proper standards of maintenance and operation and to exercise reasonable supervision shall in no event exceed 1/1824th of the 811 Nonrecurring Charge (the number of days in the five year service period), multiplied by each day during which the Service Problem giving rise to liability continues (the Pro Rata Amount).. The Company shall be indemnified and saved harmless by the customer against claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over the facilities or the use thereof; against claims for infringement of patents arising from combining with or using in connection with, facilities furnished by the Company, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with the facilities provided by the Company. The customer shall not, however, be required to indemnify the Company against claims arising solely from the acts or omissions of the Company. Neither the Company nor any concurring, connecting or other participating carrier shall be liable for any act or omission of another company or companies furnishing a portion of such service. The Company is not responsible to the customer, authorized user, joint user, sharer of service or patron of a reseller for damages arising out of Service Problems or other injury, including but not limited to injuries to persons or property from voltages or currents transmitted over the service of the Company caused by terminal equipment, except where a contributing cause is the malfunctioning of a Company-provided connecting arrangement, in which event the liability of the Company will not exceed the Pro Rata Amount. The Company is not responsible to the customer, authorized user, joint user, sharer of service or patron of a reseller for injuries or damages to persons or property arising from the existence of customer-provided power supply.

.4 Rates

	Nonrecurring Charge
Establishment of 811 Dialing Service	$16,000.00

General Exchange Catalog

ABBREVIATED DIALING SERVICES

2. N11 DIALING SERVICE

.1 General

N11 Dialing Service (N11) is a custom call routing/transport application. N11 provides the calling party an easy to remember three digit dialing code with call delivery to established N11 service provider's terminating telephone number. This catalog covers calls originating on lines terminating in a Company switch (i.e., originating and terminating within the same MSA); it does not cover 1+, 0+, 0- operator-assisted, 101XXXX, or inmate calls). If the N11 provider requires a change to the terminating numbers, additional charges may apply. N11 does not provide Caller ID information on a real-time basis.

N11 Dialing Service consists of 211, 311, and 511 and utilizes a three-digit local dialing arrangement to permit voice access to designated services. The 211 code is assigned for access to community information and referral services. The 311 code is assigned for access to non-emergency police and other government services. The 511 code is assigned for access to travel information services.

N11 utilizes various forms of call routing depending on the N11 service provider's requirements as well as the Company's serving network facilities. Routing types include, but are not limited to, NPA, central office switch, NPA-NXX, and 9-digit zip code where facilities permit. The physical boundaries of the available routing methods may or may not coincide with the boundary of the service areas requested by the N11 service provider, e.g., a specific county.

.2 Conditions

Calls placed using N11 are automatically routed to the N11 service provider’s terminating number, which the N11 service provider must provide in the form of either a toll-free number or a local number whose local calling area covers all of the locations to which the service is provided. The N11 service provider shall provide the Company with this number in advance so that the Company may properly translate its central office switches. If charges are required to re-route the call to the terminating number, they will be cared for by the use of a N11 service provider-provided toll-free number. The Company is not responsible for redirecting or otherwise handling 911 and other calls misdialed or misrouted as N11 calls. The N11 service provider shall provide sufficient terminating number paths to its toll-free or local terminating number so as to not clog nor impair the Company’s network.

General Exchange Catalog

ABBREVIATED DIALING SERVICES

2. N11 DIALING SERVICE (Cont'd)

.2 Conditions (Cont'd)

The rates and terms of this catalog are premised on the N11 service provider's commitments, unique network design requirements, and the N11 service provider's service mix, usage patterns and concentration, and other characteristics. The Company's offering of N11 to the N11 service provider also is conditioned on the N11 service provider's representation that it has been authorized by appropriate state authorities to receive and respond to N11 calls from the public within the areas served by the Company, and that the N11 service provider has obtained all licenses, authorizations, and other prerequisites necessary to provide that service, and will at all times comply with all applicable laws and regulations.

The N11 service period is five (5) years. At the end of the service period, N11 will continue on a month-to-month basis. In the event N11 is terminated by the N11 service provider prior to completion of the term commitment period, the N11 service provider shall be liable for payment of termination liability charges as set forth in Section 10, Paragraph 32.

The N11 service establishment rates are based on the current number of switches in the Company's network utilized to provide N11 service. The Company reserves the right to file catalogs at a later date if network rearrangements made at customer request require the Company to incur additional costs.

This service is only available to telephone customers that have landline services served by the Company's central office switched dial tone. The N11 service provider must make independent arrangements with other landline and cellular telephone providers in order for the dialing service to function within the networks of said providers. All Company handled calls must originate and terminate within the same MSA. InterMSA calls must be handled by a separate arrangement with an Interexchange Carrier.

N11 Dialing Service is provided only to a N11 service provider authorized by the relevant regulatory agency.

The Company reserves the right to discontinue the service, with notice, if interruption of N11 is necessary to prevent or protect against fraud or otherwise protect the Company's personnel, facilities or services.

N11 is not available for resale.

ABBREVIATED DIALING SERVICES

2. N11 DIALING SERVICE (Cont'd)

.3 Limitations on Liability

The Company assumes no liability for any issue arising from the fact that, in some N11 applications, physical call routing boundaries may not match exactly with the boundary of the N11 service provider's requested service area, e.g., state boundaries. Workaround arrangements may be required to properly route traffic due to differences in switch type, switch software, and the N11 service provider's terminating telephone number. The Company assumes no liability due to Caller ID/Automatic Number Identification (ANI) information being unavailable or incorrect due to these workarounds.

The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission, or failures or defects in facilities furnished by the Company occurring in the course of furnishing service or other facilities (Service Problems) and not caused by the negligence of the N11 service provider, or by the Company in failing to maintain proper standards of maintenance and operation and to exercise reasonable supervision shall in no event exceed $1/30^{th}$ of the N11 monthly rate, multiplied by each day during which the Service Problem giving rise to liability continues (the Pro Rata Amount).

The Company shall be indemnified and saved harmless by the N11 service provider against claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over the facilities or the use thereof; against claims for infringement of patents arising from combining with or using in connection with, facilities furnished by the Company, apparatus and systems of the N11 service provider; and against all other claims arising out of any act or omission of the N11 service provider in connection with the facilities provided by the Company. The N11 service provider shall not, however, be required to indemnify the Company against claims arising solely from the acts or omissions of the Company. Neither the Company nor any concurring, connecting or other participating carrier shall be liable for any act or omission of another company or companies furnishing a portion of such service.

ABBREVIATED DIALING SERVICES

2. N11 DIALING SERVICE (Cont'd)

.3 Limitations on Liability (Cont'd)

The Company is not responsible to the N11 service provider, authorized user, joint user, sharer of service or patron of a reseller for damages arising out of Service Problems or other injury, including but not limited to injuries to persons or property from voltages or currents transmitted over the service of the Company caused by terminal equipment, except where a contributing cause is the malfunctioning of a Company-provided connecting arrangement, in which event the liability of the Company will not exceed the Pro Rata Amount.

The Company is not responsible to the N11 service provider, authorized user, joint user, sharer of service or patron of a reseller for injuries or damages to persons or property arising from the existence of customer-provided power supply.

.4 Rates and Charges

Rates and charges apply based on the type of routing:

- Basic N11 Routing includes NPA, central office switch and NPA-NXX routing.

- Enhanced N11 Routing includes Basic Routing and 9-digit zip code routing.

The monthly rates for Basic and Enhanced N11 Routing include up to 8,000 queries per month and apply per increment of 8,000 queries.

The Central Office Programming nonrecurring charge applies per CO host switch and is in addition to the Service Establishment nonrecurring charge.

N11 Call Center Modification charges apply when the customer requests a change in routing of N11 traffic to a call center.

N11 Directory Number Modification charges apply when the customer requests a change to the routing for the number of a specific N11 call center.

N11 City Limit Boundary Modification charges apply if any service area boundary changes require zip code remapping of the service database.

General Exchange Catalog

ABBREVIATED DIALING SERVICES

2. N11 DIALING SERVICE (Cont'd)

.4 Rates and Charges

	Nonrecurring Charge	Monthly Rate
Basic N11		
Basic N11 Routing, per increment of 8,000 queries		$70.00
Service Establishment	$1,500.00	
Central Office Programming, per CO host switch	$200.00	
N11 Call Center Modification, per change	$50.00	
N11 Directory Number Modification, per change	$500.00	
Enhanced N11		
Enhanced N11 Routing, per increment of 8,000 queries		$125.00
Service Establishment	$3,500.00	
Central Office Programming, per CO host switch	$200.00	
N11 Call Center Modification, per change	$50.00	
N11 Directory Number Modification, per change	$500.00	
N11 City Limit Boundary Modification, per zip code boundary	$400.00	

General Exchange Catalog

PRIVATE LINE SERVICE

1. GENERAL

.1 Private Line Service is the furnishing of facilities for telecommunication between two or more designated points, all of which are within a Market Service Area within the State of Illinois. Private Line service is a point-to-point service and is furnished without exchange network access. These services are provided based upon the availability of necessary facilities.

2. Rates

.1 Rates, rules and regulations for intraexchange and interexchange private line services are as set forth in Frontier North Inc. Facilities for Intrastate Access Tariff ILL. C.C. No. 15.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP)

.1 General

.1.1 This catalog section contains regulations, rates and charges applicable to the provision of certain functional network capabilities. These capabilities expand the ability of Enhanced Service Providers (ESPs) to provide services to their clients through the use of the public switched telephone network. These network capabilities are provided by Frontier North Inc., hereinafter referred to as the Company.

.1.2 Services for ESPs are subject to the availability of facilities and are limited to central offices specifically equipped to provide such service.

.1.3 Services in this section of the catalog, designed primarily for ESPs, are also available to others.

.2 ESP Services

.2.1 ESP Services are services offered by the Company in conjunction with exchange access line service as outlined in 1.5.2.h. following. Customers may order and utilize these services to connect to the Company's local exchange network to provide enhanced services to the customer's clients. These services are as follows:

a. Message Waiting Indication - Audible

This service provides the ability for a customer to send and a customer's client line to receive an alerting signal in the form of an audible stutter dial tone. This alerting signal will be used by the customer to inform its clients that information is waiting for them.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.2 ESP Services (Cont'd)

.2.1 (Cont'd)

b. Forwarded Call Information - Intraoffice

This service provides the information on the called number (the customer's client line which was busy or did not answer and is equipped with call forwarding), the forwarded to number (the customer's enhanced service number to which redirected calls are forwarded), and the reason calls were forwarded or placed to the customer. The reasons for forwarding information may include when a client's line is:

- Busy,
- Not Answered,
- Either Busy or Not Answered, or
- Used to call the customer directly.

c. Data Link

This service, which must be established between the customer's location and the Company's central office, provides the capability of delivering to the customer the called number and the type of forwarding from each Central Office serving area in which the customer wishes to offer enhanced services.

d. Queuing

This service provides customers subscribing to PABX Access Lines or Customized Multiline Telephone Service lines arranged in a multiline hunt group the capability to equip that group with a queuing feature. Calls made to a multiline hunt group equipped with the queuing feature will complete immediately if there is an idle terminal in the hunt group. However, if all terminals in the hunt group are busy, the call is placed on queue and waits its turn to be served.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.2 ESP Services (Cont'd)

.2.1 (Cont'd)

e. User Transfer

This service provides the ability to temporarily hold an established call, originate another call to a third party, and then transfer the first call to the third party. When a call has been transferred, the original line/trunk is cleared to place or receive another call.

f. Enhanced Call Transfer

Enhanced Call Transfer allows the user of a 2-way trunk with DID to transfer any incoming call to another line or trunk outside of the system and then to leave the connection without disconnecting the call. Enhanced Call Transfer is available where facilities and conditions permit.

g. Enhanced Call Transfer - Basic is offered to customers who have existing digital facilities and do not require any additional equipment for connectivity.

.3 ESP Client Services

.3.1 ESP Client Services are services offered by the Company. Customers may order and utilize these client services in conjunction with their clients' exchange access lines to provide enhanced services to their clients. Those client services are as follows:

a. Call Forwarding Busy Line - Fixed

This service, permanently activated, provides clients the ability to redirect incoming calls to their home or business to the customer's preselected PABX Access line number, Customized Multiline Telephone Service line number, or other line number of the customer at another location on a different premises when such incoming calls encounter a normal busy line condition.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.3 ESP Client Services (Cont'd)

.3.1 (Cont'd)

b. Call Forwarding No Answer - Fixed

This service, permanently activated, provides clients the ability to redirect incoming calls to their home or business to the customers preselected PABX Access line number, Customized Multiline Telephone Service line number, or other line number of the customer at another location on a different premises when such incoming calls encounter a no answer condition after a specific number of rings, such number of rings to be specified when this service is ordered.

c. Call Forwarding Busy Line/No Answer - Fixed

This service, permanently activated, provides clients the ability to redirect incoming calls to their home or business to the customers preselected PABX Access line number, Customized Multiline Telephone Service line number, or other line number of the customer at another location on a different premises when such incoming calls encounter either a normal busy line condition or a no answer condition.

d. Customer Controllable Ringing

This service provides clients the ability to adjust the number of ring cycles that should be used prior to forwarding a call in a "No Answer" situation. To select the number of rings desired (1-9), the client will dial a special access code and then input a digit that corresponds to the number of ring cycles desired before the forwarding takes place.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.3 ESP Client Services (Cont'd)

.3.1 (Cont'd)

e. Message Waiting Indication - Audible Ring Burst

In addition to the stutter dial tone that a client receives to let him know a message is waiting, Frontier North Inc., can provide ringing at a special cadence to signal the client that a message is waiting. This reminder will be repeated at a specific interval programmed by Frontier North Inc.

f. Message Waiting Indication - Visual

Provides the Enhanced Service Provider (or customer) with the ability to send an alerting signal in the form of a light to its end user's line. This alerting signal can then be used to inform the end user that a message is waiting.

.4 Definitions

.4.1 ESP Bill Option

This is an ordering and billing option that allows a customer, on behalf of that customer's clients, to order and pay for the provisioning and monthly recurring charges of only those services provided under this section of the Catalog. Should a client dispute authorization for the exercise of this option in conjunction with his/her service, the customer will be held liable for orders involving clients for whom no agency agreement exists.

.4.2 Client

The term "client" denotes any individual, partnership, association, joint-stock company, trust corporation, or governmental entity or any other entity, which subscribes to the services offered by the customer utilizing any services provided under this section of the Catalog.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.4 Definitions (Cont'd)

.4.3 Customer

The term "Customer(s)" denotes any ESP, individual, partnership, association, joint-stock company, trust corporation, or governmental entity or any other entity, which subscribes to the services offered under this section of the catalog.

.4.4 Enhanced Service Provider

An Enhanced Service Provider (ESP) is a customer, in accordance with applicable regulatory requirements, claiming the status of an ESP and providing an enhanced service under Section 64.702 of the FCC's Rules and Regulations.

.5 Regulations and Conditions

.5.1 Undertaking of the Telephone Company

a. The limitation of the Company's liability is set forth in this catalog.

b. The Company may disconnect the customer's service for failure to comply with any provision(s) of this catalog or any tariff of the Company.

c. ESP Client Services billed to ESP orders can only be accepted if the client line is specified and available for provisioning.

d. If the Company finds the provision of ESP Services and ESP Client Services, as outlined herein, is adversely affecting or would adversely affect the Company's ability to provide, complete or maintain the level of or quality of its other services to its exchange telephone customers, the Company may refuse to provide or may discontinue providing such services.

e. ESP and ESP Client Services will not be provided in connection with Pay Telephone Service.

f. Charges for calls between the originating location and the call forwarded equipped line are applicable in accordance with regularly filed tariffs or catalogs for local message units, zone calling units, dial station, operator station or message toll.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.5 Regulations and Conditions (Cont'd)

.5.2 Enhanced Service Provider's Obligations

a. Customer services as outlined herein and the promotion and provision thereof must comply with all applicable Federal, State and Local laws, rules and regulations.

b. The customer shall indemnify, defend, protect and save harmless the Company against any and all losses, claims, demands, suits, causes of action, damages, costs or liability in law or in equity of every kind and nature whatsoever, including attorney's fees, arising directly or indirectly from the service or in connection therewith, including but not limited to any loss, damage, expense, or liability resulting from any infringement or claim of infringement of any patents, trademarks, or copyright, or resulting from any claim of libel or slander.

c. The customer is responsible for all provisioning and monthly recurring charges for billed-to-ESP services including those situations in which the customer's client and/or the Company has temporarily suspended or disconnected that client's access line service.

d. The customer has exclusive responsibility and control over the content, quality, and characteristics of services or conversations conducted over the customer's equipment. The Company assumes no liability for the quality, defects in, or content of those services. The customer shall exclude from its services any matter, the dissemination of which is prohibited by law, or by rules, regulations or order of any governmental agency.

e. The customer shall not publish or use any advertising, sales promotion material or other publicity relating to the subject matter of ESP and ESP Client Services wherein the Company's name or language, signs, markings or symbols are used, from which the connection of the Company's name therewith may be, in the Company's judgment, reasonably inferred or implied without the prior written approval of the Company.

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.5 Regulations and Conditions (Cont'd)

.5.2 Enhanced Service Provider's Obligations (Cont'd)

f. The customer is financially responsible for any and all costs and expenses involved in providing its services, including, but not limited to, the customer's premises equipment, program development, advertising, and promotional expenses. The customer is financially responsible for all facilities required to connect the customer's equipment to the Company's serving wire center, in accordance with all applicable rates and charges under the Company's Tariffs or Catalogs.

g. The customer's premises equipment shall be interconnected in accordance with the General Conditions and applicable rates as set forth this catalog, Connection of Customer-Provided Equipment. If the customer violates this requirement, the Company may disconnect the customer's services.

h. Customers subscribing to the services are required to subscribe to PABX facilities or Customized Multiline Telephone Service lines capable of supporting the enhanced service(s) being offered. Also, they may be required to subscribe to as many additional PABX facilities or Customized Multiline Telephone Service lines as, in the judgment of the Company, are required to adequately handle calls without impairing service to others.

i. The customer is responsible for disconnecting ESP Client Services ordered for its client(s), including those situations where the customer's client(s) no longer has service with the Company.

j. The customer is responsible for the payment of applicable charges for each forwarded call completed in conjunction with User Transfer Service.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.5 Regulations and Conditions (Cont'd)

.5.3 Client Obligations

a. Charges are applicable to the client's line equipped with Call Forwarding Busy Line and/or No Answer-Fixed for each completed call between their call forwarding equipped line and the customer's number to which the call is forwarded.

.5.4 Billing and Remittance

a. The Company will not make adjustments resulting from poor transmission quality caused by the customer's equipment.

b. The customer's services may be discontinued pursuant to the procedures set forth in this Catalog, for failure to make full payment for the Company's services provided under this Catalog.

.6 Rate and Charge Regulations

a. Any change to the customer's preselected telephone number to which the client's telephone calls are redirected, as described in Section 1.3.1a., b., and c. of this section of the catalog, will incur applicable Service Charges.

b. The ESP bill option as described in 1.4.1 of this section of the catalog may only be exercised by a customer utilizing the services found in this section of the Catalog to offer an enhanced service.

c. The initial (or minimum) period for all ESP services and facilities is one month (30 days).

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.7 Rates and Charges

The Subsequent Ordering Charge as shown in this catalog will apply when ESP and ESP Client services are added or rearranged on an existing line. Central Office Line Connection Work charge does not apply for ESPs and ESP Client services added or rearranged.

	Nonrecurring [1] Charge	Monthly Rate
Call Forward Busy, per Line Arranged	-	$1.25
Call Forward No Answer, per Line Arranged	-	$1.25
Call Forwarding, Busy/No Answer-Fixed, per Line Arranged	-	$1.50
Message Waiting Indication-Audible, per Line Arranged	-	$0.50
Forwarded Call Information-Intraoffice, per Line Arranged	-	$1.00
Data Link, per Data Link Arranged	$500.00	$250.00
Queuing, per Line or Trunk Arranged		$1.50
User Transfer, per Line Arranged		$1.50
When services as shown in .7.3, .7.4, and .7.5 are ordered one each in a package for an individual subscriber's line		$2.00

[1] Non-recurring charge is applied per customer. Non-recurring charges from Section 4 of this catalog are applicable in addition to the above charge.

General Exchange Catalog

VOICE MESSAGING SERVICE

1. SERVICES FOR ENHANCED SERVICE PROVIDERS (ESP) (Cont'd)

.7 Rates and Charges (Cont'd)

	Nonrecurring [1] Charge	Monthly Rate
Customer Controllable Ringing, per Line		$1.00
Message Waiting Indication-Audible Ring Burst, per Line		$1.50
Feature Package Call Forward Busy/No Answer, Message Waiting Indication-Audible, Customer Controllable Ringing, Forwarded Call Information-Intraoffice, Message Waiting Indication-Audible Ring Burst, Per Line		$2.75
Enhanced Call Transfer, Basic, per trunk	$25.00	$19.00
Message Waiting Indication - Visual, per line	-0-	$0.50

[1] Non-recurring charge is applied per customer. Non-recurring charges from Section 4 of this catalog are applicable in addition to the above charge.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

A. GENERAL

1. Customized Multiline Telephone Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. The service may be analog or digital. Digital (ISDN) Customized Multiline Telephone Service is based on Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office-based service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, intra-system communication and features. A Customized Multiline Telephone Service system may not be provided for standalone service only; access to the Company's exchange network must be provided.

B. CONDITIONS

1. The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

2. Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service is available where central office and operating facilities and conditions permit. Digital (ISDN) Customized Multiline Telephone Service Circuit Switched Data (CSD) calls are provided on a usage basis.

3. A minimum of two (2) Customized Multiline Telephone Service (Analog or Digital) Service lines are required. If the Customized Multiline Telephone Service system falls below two lines, it will no longer be considered a Customized Multiline Telephone Service system. The remaining line will be converted to an individual business line with no features. All existing catalog rules, regulations, rates and charges associated with the conversion will apply.

4. A customer may select only one analog Customized Multiline Telephone Service Feature Package per customer group and one digital Customized Multiline Telephone Service Voice package per customer group.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

5. One bill will be rendered for each Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service customer group. Separate bills are rendered monthly for Special Service access lines. If a customer requests duplicate bills for a single customer group, refer to charges in this catalog. The Company will not render individual bills within a customer group.

6. The Company will furnish one alphabetical directory listing per Customized Multiline Telephone Service customer group without charge. Additional listings may be purchased at rates listed under the Directory Service section of this catalog.

7. Customized Multiline Telephone Service is offered on a term basis commencing on the date the service is established.

8. Digital (ISDN) Customized Multiline Telephone Service requires a minimum service period of three months for each line which is composed of a Local Loop and a Service Type, Access Service.

9. Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service Line and Feature Packages rates apply each month from the time the customer group placed in service until the Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service is discontinued.

10. If remote units are required to provide switching capabilities for intra-communication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all customer group cabling used in association with Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service are provided by and remain the property of the Company.

11. Rotary dial stations may not be capable of accessing all Customized Multiline Telephone Service features.

12. Rates and charges for Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, term rates and charges may be applied in addition to those shown herein.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

13. When Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service lines may are terminated on a PBX/PABX or equivalent hybrid system a main station line charge of $10.00 applies in addition to the appropriate main station, feature and NAR rate.

14. All Analog Customized Multiline Telephone Service lines must be loop start.

15. If a customer chooses to combine Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service stations terminating at different locations into a single Customized Multiline Telephone Service customer group, all stations must be served by the same central office. A central office is defined by the assignment of separate NXX codes for a serving area.

16. A customer with multiple Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service customer groups may link his customer groups with inter-office lines to permit intercom dialing. Inter-office line charges will apply.

17. Where the Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service station line is located in a different central office area of the serving exchange, the Interoffice Mileage Charge and measurement as specified under Mileage Charges in this catalog, are applicable. For Digital (ISDN) Customized Multiline Telephone Service, this capability is only supported between ISDN-capable base unit central offices.

18. Where the Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service station line of the same customer group is located in a different exchange area, the Special Transport and Special Access Line Charges apply for each interexchange channel as specified in Ill CC No. 15. For Digital (ISDN) Customized Multiline Telephone Service, this capability is only supported between ISDN-capable base unit central offices.

19. Private Line arrangements, Special Access Services, or foreign dial tone connected with Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service are subject to rates, rules, and conditions as set forth in the appropriate catalogs.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

20. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional Customer group features.

21. Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from 50° to 86° Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

22. Subsequent Additions, Deletions and Changes

Subsequent line additions will be coterminous and based upon the remaining period of the initial term commitment.

If subsequent line deletions resulting in reductions cause the total number of lines to fall within a different line group, all remaining lines will be billed at rates according to the associated line group.

If a customer requests an upgrade or downgrade of an existing Feature Package (e.g., from Feature Package 1000 to 2000, from Feature Package 3000 to 2000 etc.), the new Feature Package rate will apply for the duration of the existing term period. Data Base Program charges will apply.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

22. Subsequent Additions, Deletions and Changes (Cont'd)

The term period for Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service Optional Features is based upon the initial term commitment period for the Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service Customer group. Subsequent additions of Optional Features will be based upon the remaining period of the initial term commitment.

23. Termination Liability

In the event Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service is terminated by the customer prior to completion of the term commitment period, the customer shall be liable for payment of termination liability charges.

24. Customized Multiline Telephone Service Digital (ISDN) Customized Multiline Telephone Service CLASS

Custom Local Area Signaling Service (CLASS) is a group of Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service features offered to customers subscribing to Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service local exchange service.

The service is subject to available facilities and limited to central offices specifically equipped to provide such service. Custom Local Area Signaling Service features are applicable to calls placed to/from compatible central offices offering the service.

Operator assisted calls will override these features for emergency purposes.

Nonrecurring charges are not applicable when Custom Local Area Signaling Service features are provided at the same time as the Customized Multiline Telephone Service/Digital (ISDN) Customized Multiline Telephone Service is initially established.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

24. Customized Multiline Telephone Service Digital (ISDN) Customized Multiline Telephone Service CLASS

When features are added or rearranged on an existing line, the Minor Software Change charge will apply.

In order to subscribe to Customized Multiline Telephone Service /Digital (ISDN) Customized Multiline Telephone Service CLASS, the customer must also subscribe to at least Customized Multiline Telephone Service Digital (ISDN) Customized Multiline Telephone Service Feature Package 1000 for analog Customized Multiline Telephone Service Stations and a B-Channel configuration with voice or voice/data on Digital (ISDN) Customized Multiline Telephone Service.

25. General - Digital (ISDN) Customized Multiline Telephone Service

Services offered in accordance with this catalog are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Customized Multiline Telephone Service services will be provided where central office capabilities and conditions permit.

Customer-provided equipment used in conjunction with services provided in accordance with this catalog must conform with the technical specifications of the Company.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications customer group to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible.

Customer requested temporary disconnections of Digital (ISDN) Customized Multiline Telephone Service are not permitted.

A change to Digital (ISDN) Customized Multiline Telephone Service will cause a temporary interruption of service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

25. General - Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

The Company will provide one alphabetical directory listing per Digital (ISDN) Customized Multiline Telephone Service customer group (customer group) without charge. Additional directory listings will be provided in accordance with the rates and conditions in this catalog under Directory Service.

A change in service from Analog Customized Multiline Telephone Service, from Digital Channel Service, or from a basic exchange service to Digital (ISDN) Customized Multiline Telephone Service is a discontinuation of service and an establishment of service. However, all applicable installation and Service Charges and all charges applicable to the establishment of Digital (ISDN) Customized Multiline Telephone Service apply.

All data calls will be charged measured rates at the charges stated elsewhere in this catalog with the following exception; Data calls within the same business group within the same wire center (intercom calls) do not incur usage.

26. Digital (ISDN) Customized Multiline Telephone Service Services

Digital (ISDN) Customized Multiline Telephone Service are digital, business-customer group, exchange services, which include station connections and network access, and which are provided as an alternative to or in conjunction with Customized Multiline Telephone Service.

Each Packaged Service is associated with a digital local loop, not with a channel.

Each digital local loop within a business customer group may be uniquely arranged with a Packaged Service and with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

The B Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B-Channels of a digital local line. The CSD mode operates at a maximum speed of 64 kbps (Switched 64 kbps) but may be used at a speed of 56 kbps (Switched 56 kbps).

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

26. Digital (ISDN) Customized Multiline Telephone Service Services (Cont'd)

Data sent to locations within a business customer group and to interexchange carriers over B-V/CSD Channels in the CSD mode can be transmitted at either 64 kbps or 56 kbps. (Some interexchange carriers do not offer transmission at 64 kbps).

Data sent to locations within other business customer groups can be transported at a speed of either 64 kbps or 56 kbps in accordance with the rates, charges, and conditions specified by the Company's catalogs, where 64 kbps is offered.

The D-Packet Switched Data Channel [1] allows transmission of packet-switched data over a D-Channel. Subscription to a D-Packet Service [1] without subscription to B-Channel Service is permitted.

a. Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Customized Multiline Telephone Service line, one for each of 2 channels. If an additional telephone number is required on either channel, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this catalog.

One interexchange carrier must be selected for all telephone numbers associated with the same digital local loop, however 10XXX access to other carriers is provided.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

26. Digital (ISDN) Customized Multiline Telephone Service Services (Cont'd)

b. Individual Line Loop Extension

Digital (ISDN) Customized Multiline Telephone Service Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Customized Multiline Telephone Service loop from approximately 18,000 feet to approximately 36,000 feet (These distances are for planning purposes. The actual distances are dependent on decibel (db) loss and not just physical loop length.) This physical extension is accomplished by means of a CO installed power module and an outside plant installed regenerator or U-Repeater.

The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34dB loss at 40kHz in either direction of the field repeater is acceptable. With the Frontier engineering practice of maximum loss for the Digital (ISDN) Customized Multiline Telephone Service loop to be 38dB at 40kHz, it is assumed, if the customer's distance would exceed the 38dB for standard installation, the U-Repeater would be mounted within the stated range of 34dB and the customer's length would be extended another 34dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Customized Multiline Telephone Service line.

The customer's network access line is pre-engineered to determine when the U-Repeater/power module are required. The customer will not be charged the Digital (ISDN) Customized Multiline Telephone Service Individual Line Loop Extension rate unless the equipment is actually used. The charge will not be invoked based on the cable footage. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module. The appropriate Individual Line Loop Extension rate will apply in addition to rates for Digital (ISDN) Customized Multiline Telephone Service.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

B. CONDITIONS (Cont'd)

27. Discount Qualifications

a. To qualify for quantity discounts, Customized Multiline Telephone Service equipped lines must primarily terminate at a single designated location of the customer of record. In those instances where a service configuration results in more than 30% the lines terminating at a remote location of the customer of record within the coverage area of the Central Office, the service must be offered pursuant to contract to account for cost considerations. Customer of record does not apply to an entity reselling this service. In resale scenarios, the lines must terminate at the primary single location of the customer with identical pricing and costing rules as applicable to end user customers of record.

b. This applies for systems over 25 lines (our first volume based rate discount) in a single business group, and allows us to ensure that we are recovering costs to provision large systems with lines terminating at more than one location. Volume discounts will be determined based on the total number of lines in each business group.

28. Assigned Customized Multiline Telephone Service Telephone Numbers

Customers are required to keep 50% or more of their assigned telephone numbers working, in order to retain them. The Company will notify customers annually if the quantity of working numbers drops below 50% of their assigned numbers, so that action can be initiated by the customer to increase their number of assigned numbers working, or by Frontier to reclaim numbers. Telephone numbers working periodically for regular intervals of time, such as those assigned to student residences, are “working at all times” to the extent that they work for a minimum of 90 non-consecutive days during each calendar year in which they are assigned to the customer.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES

1. Analog Customized Multiline Telephone Service offers Feature Packages 1000, 2000, 3000, or Customized Multiline Telephone Service CLASS Package, and Optional Line and Customer group Features at the rates and charges set forth following. Feature capabilities may vary depending on the host central office equipment.

2. In addition, Digital (ISDN) Customized Multiline Telephone Service offers ISDN Station MBKS Basic, MBKS Deluxe, and 3000-Deluxe Packages, Attendant Package, Circuit Switched Data 1000 and 2000 Packages, X.25 Enhancement Package [1], and Optional Line and Customer group Features at the rates and charges set forth in the catalog. Feature capabilities may vary depending on the host central office equipment.

3. Analog Customized Multiline Telephone Service Service Basic Operating Features: Direct Inward Dialing/Direct Outward Dialing (DID/DOD), Automatic Identification of Outward Dial (AIOD), Distinctive Ring, Touch Calling, Station-to-Station Calling.

4. Digital (ISDN) Customized Multiline Telephone Service Basic Operating Features: Direct Inward Dialing/Direct Outward Dialing (DID/DOD), Automatic Identification of Outward Dial (AIOD), Distinctive Ring, Touch Calling, Calling Number Identification and Station-to-Station Calling.

5. Customized Multiline Telephone Service Feature Package 1000 - Call Hold, Consultation Hold, Call Alternation, Speed Call 6 or 8 (Individual), Call Transfer, Call Forward (All, Busy, No Answer), Call Waiting Originating, Call Waiting Terminating/Cancel, Dial Call Waiting, 3 Way Calling, *66 Busy Number Redial, Toll Restriction, Hunting (Pilot Number, Directory Number and Secretarial), Call Pick-Up (Extended, Direct, and Group), and Station Restriction.

6. Customized Multiline Telephone Service Feature Package 2000 - Feature Package 1000 plus the following features: Call Park (Multiple), Automatic Callback (Camp-On), Data Line Security, Saved Number Redial, Circular Hunting, Multiple Classes of Service, Speed Call 30 (Customer group), and Uniform Call Distribution.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] This feature is grandfathered to existing customers (effective February 15, 2000) at existing locations for the duration of their contract.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

7. Customized Multiline Telephone Service Feature Package 3000 - Feature Package 1000 and 2000 plus the following features: Off-Hook Queuing, Ringback Queuing, Executive Busy Override, Remote Access to Features [2], Incoming Call Forward, Within-Group Call Forward, and Speed Call 30 (Individual).

8. Customized Multiline Telephone Service CLASS Feature Package - *66 Busy Number Redial, *69 Call Return, Call Block, Selective Call Acceptance, Selective Call Forward, and Special Call Waiting.

9. Customized Multiline Telephone Service Optional Customer group Features: Automatic Route Selection (ARS), Facilities Restriction Level (part of ARS), Time of Day Routing (part of ARS), Expensive Route Warning (part of ARS), WATS Access [3], 800 Service Access, Tie Facility Access, T1 Access, Limited Automatic Call Distribution, Preferential Hunting, Stop Hunt, Pilot Number of Hunt Groups, Priority Queuing, Additional Numbers, Proprietary Set Interface, Authorization Codes (per group of 10), Speed Call 30 (Additional Customer group), Terminal Make Busy, Paging/Public Address Access, Dictation Access, Code Calling Access, Music-On-Hold, Recorded Announcement (Custom), Conference Calling (6-8-12-16-18-24 Port), Station Message Detail Recording, Attendant Identification-Multiple Directory Numbers, Attendant Data Link Console Interface, Attendant Pre-determined Night Answer, Attendant Universal Night Answer, Attendant Mixed Night Answer, Attendant Flexible Night Answer, ISDN-PRI Customized Multiline Telephone Service Access, and ISDN-PRI Voice over Internet Protocol (VOIP) Customized Multiline Telephone Service Access.

10. Digital (ISDN) Customized Multiline Telephone Service Multi-Button Key Set (MBKS) Basic Package: Analog Shared Directory Number, Automatic Call Back on Busy, Bridging, Call Alternation, Call Forwarding, Call Pickup, Conference Calling, Drop, Feature Function Buttons, Feature Inspect, Flex Calling, Hold, Intercom Function, Key Customer group Coverage for Analog Lines, Manual Exclusion, Multiple Directory Number, Privacy Release, Ring Again, Shared Call Appearances of Directory Number, Speed Calling, Station Restriction, Terminal Management, Time and Date Display, Transfer, and Two-Digit Intercom Dialing.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] This feature is grandfathered to existing customers (effective February 15, 2000) at existing locations for the duration of their contract.

[3] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

11. Digital (ISDN) Customized Multiline Telephone Service Multi-Button Key Set (MBKS) Deluxe Package: Digital (ISDN) Customized Multiline Telephone Service Multi-Button Key Set (MBKS) Basic Package plus Delayed Ringing, Initiated Priority Calling, Inspect, Intercom Alerting, Originating Priority Calling, Called Line Identification, and Incoming Priority Calling.

12. Digital (ISDN) Customized Multiline Telephone Service Multi-Button Key Set (MBKS) 3000 Deluxe: Digital (ISDN) Customized Multiline Telephone Service Multi-Button Key Set (MBKS) Deluxe Package plus Executive Busy Override, Incoming Call Forwarding, and Within Group Call Forwarding.

13. Attendant Feature Packages

    Digital (ISDN) Customized Multiline Telephone Service Attendant Package: Aggregate Work Time/Number of Calls Handled, Busy Verification, Call Hold, Call Splitting, Call-Through Tests, Camp-On, Conference Calling, Console Terminal Management, Control of Voice Terminals, Direct Station Selection/Busy Camp, Direct Trunk Group Selection, Emergency Override, Incoming Calling Identification (Customer Group), Night Service, Originated Permission Display (Class of Service), Position Busy, Power Failure Transfer, Control of Facilities, Through Dialing, Timed Reminder, Traffic, Trunk Group Indicator, Trunk Identification, Trunk Queuing, Automatic Dropback to Attendant, Dial Access to Attendant, Even Call Distribution, Flexible Night Service/Call Forwarding, Calls on Queue, Queuing with Call Waiting Indication, Number of Calls Handled.

    Analog Attendant Feature Package - Access to Paging, Autodial, Automatic Recall, Busy Verification, Call Hold, Call Park, Call Selection, Camp On, Code Calling Line Termination, Conference, Console Activation of Call Forward, Console Test, Control of Trunk Group Access, Control of Virtual Facility Groups, Delayed Operation, Display of Queued Calls by ICI Key, Flexible Console Alerting, Interposition Calls, Locked-Loop Operation, Lockout, Multiple Listed Directory Numbers, Position Busy, Priority Console Alerting, Recorded Announcement, Secrecy, Serial Call, Speed Call, Transfer, Two-Way Split, Wildcard Key.

14. Circuit Switched Data 1000 Package: Data Call Forward, Data Multiline Hunt Group, Data Speed Call 8, and Data Toll Restriction.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

15. Circuit Switched Data 2000 Package: Data 1000 Package plus Data Call Back, Data Circular Hunting, Data Group Speed Call 30, and Data Speed Call 30.

16. X.25 Deluxe Package [1]: X.25 Basic Service plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit.

17. X.25 Basic Package [1]: X.25 Flow Control Parameters Negotation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotation, X.25 Transmit Delay Selection and Indication.

18. Feature Matrices

The following feature matrices indicate the availability of each feature with either Analog or Digital (ISDN) Customized Multiline Telephone Service.

Basic Operating Features	Analog	Digital
Feature Name		
Direct Inward Dialing	X	X
Direct Outward Dialing	X	X
Automatic Identification of Outward Dial	X	X
Distinctive Ring	X	X
Touch Calling	X	X
Station-to-Station Calling	X	X
Calling Number Identification		X

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

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CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Voice Packages Features	Analog			MBKS [1] Service/Digital		
	1000	2000	3000	BASIC	DELUXE	3000-DEL
Feature Name						
Call Alternation/Flip-Flop	X	X	X	X	X	X
Call Forward	X	X	X	X	X	X
Call Hold	X	X	X	X	X	X
Call Pick Up	X	X	X	X	X	X
Call Transfer	X	X	X	X	X	X
Call Waiting/Cancel Call Waiting	X	X	X		X	X
Consultation Hold	X	X	X	X	X	X
Dial Call Waiting	X	X	X		X	X
Hunting	X	X	X		X	X
*66 Busy Number Redial [2]	X	X	X	X	X	X
Speed Call 6 or 8	X	X	X	X	X	X
Station Restriction	X	X	X	X	X	X
3 Way Calling	X	X	X	X	X	X
Toll Restriction	X	X	X	X	X	X
Call Park		X	X	X	X	X
Automatic Callback		X	X	X	X	X
Data Line Security [2]		X	X			
Saved Number Redial [2]		X	X			
Circular Hunting		X	X	X	X	X
Uniform Call Distribution Hunting	X	X	X	X	X	
Multiple Classes of Service		X	X	X	X	X
Customer group Speed Call 30		X	X	X	X	X

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Customized Multiline Telephone Service line must subscribe to analog Customized Multiline Telephone Service voice feature packages, not Digital (ISDN) Customized Multiline Telephone Service MBKS Service feature packages.

[2] Not available on 5ESS.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Voice Packages Features	Analog			MBKS [1] Service/Digital		
	1000	2000	3000	BASIC	DELUXE	3000-DEL
Feature Name						
Remote Access to Features [3]		X		X	X	X
Off-Hook Queuing		X			X	X
Individual Speed Call 30		X		X	X	X
Ringback Queuing		X			X	X
Basic Message Service#					X	X
Delayed and Abbreviated Ringing				X	X	
Display for Ringing Call Appearance Only [2]					X	X
Initiated Priority Calling					X	X
Inspect for ISDN Terminals#					X	X
Intercom Alerting					X	X
Originating Priority Calling					X	X
Outgoing Called Line ID for ISDN Terminals				X	X	
Priority Calling Incoming Only					X	X
Executive Busy Override		X				X
Incoming Call Forwarding		X				X
Within Group Call Forwarding		X				X
*69 Call Return			X			
*66 Busy Number Redial			X			
Selective Call Forward			X			
Selective Call Acceptance			X			
Call Block			X			
Special Call Waiting#			X			

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Customized Multiline Telephone Service line must subscribe to analog Customized Multiline Telephone Service voice feature package, not Digital (ISDN) Customized Multiline Telephone Service MBKS Service feature packages.

[2] Not available on DMS100.

[3] This feature is grandfathered to existing customers (effective February 15, 2000) at existing locations for the duration of their contract.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Voice Packages Features	Analog			MBKS [1] Service/Digital		
	1000	2000	3000	BASIC	DELUXE	3000-DEL
Feature Name						
Bridging				X	X	X
Conference Calling				X	X	X
Drop				X	X	X
Key Customer group Coverage for Analog Lines			X	X	X	
Manual Exclusion				X	X	X
Multiple Directory Number Buttons				X	X	X
Shared Call Appearances of Directory Number			X	X	X	
Analog Shared Directory Number			X	X	X	
Feature Function Buttons				X	X	X
Feature Inspect [2]				X	X	X
Terminal Management [2]				X	X	X
Time and Date Display [2]				X	X	X
Two-Digit Intercom Dialing				X	X	X

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Customized Multiline Telephone Service line must subscribe to analog Customized Multiline Telephone Service voice feature package, not Digital (ISDN) Customized Multiline Telephone Service MBKS Service feature packages.

[2] Not available on DMS100.

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CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Voice Packages Features

Feature Name	CSD1000	CSD2000	X. 25 BASIC [1]	X.25 DEL [1]
Data Speed Call 8	X	X		
Data Call Forward	X	X		
Data Toll Restriction	X	X		
Data Multiline Hunt Group	X	X		
Data Call Back		X		
Data Circular Hunt		X		
Data Group Speed Call 30		X		
Data Speed Call - 30		X		
X.25 Flow control Parameters Negotiation [1]			X	X
X.25 Incoming Calls Barred [1]			X	X
X.25 Outgoing Calls Barred [1]			X	X
X.25 Reverse Charge [1]			X	X
X.25 Reverse Charge Acceptance [1]			X	X
X.25 Throughput Class Negotiation [1]			X	X
X.25 Transmit Delay Selection/Indication [1]			X	X
X.25 Closed User Groups [1]				X
X.25 Fast Select [1]				X
X.25 Fast Select Acceptance [1]				X
X.25 Hunt Groups [1]				X
X.25 One-Way Outgoing Logical Channel [1]				X
X.25 Permanent Virtual Circuit [1]				X

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Attendant Package Features - Digital (ISDN) Customized Multiline Telephone Service

Feature Name

Aggregate Work Time/Number of Calls Handled	Position Busy
Busy Verification	Power Failure Transfer
Call Hold	Control of Facilities
Call Splitting	Through Dialing
Call-Through Tests	Timed Reminder
Camp-On	Traffic
Conference Calling	Trunk Group Indicators
Console Terminal Management	Trunk Identification
Control of Voice Terminals	Trunk Queuing
Direct Station Selection/Busy Field	Auto Dropback to Attendant
Direct Trunk Group Selection	Dial Access to Attendant
Emergency Override	Even Call Distribution
Incoming Calling ID-Group	Flexible Night Service/Call Forwarding
Night Service	Calls on Queue
Originated Permission Display	Queuing with Call Waiting Indication
Number of Calls Handled Display Data	

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Optional Features	Analog	Digital
Feature Name		
Additional Numbers	X	X
Attendant Data Link Console Interface	X	
Attendant Flexible Night Answer	X	
Attendant ID Multiple Directory Nos.	X	
Attendant Mixed Night Answer	X	
Attendant Pre-determined Night Answer	X	
Attendant Universal Night Answer	X	
Authorization Codes	X	X
Automatic Route Selection	X	X
Call Tracing Service	X	X
Calling Number Identification Delivery	X	X
Circuit Switched Data Direct Connect		X
Circuit Switched Data Closed User Group		X
Code Call Access	X	
Conference Calling	X	X
Customer Moves and Changes	X	X
Dictation Access and Control	X	
Digital Data Intercom Dialing		X
Instant Call Accounting	X	X
Limited Automatic Call Distribution	X	
Music On Hold	X	X
Paging/Public Address Access	X	
Pilot Number of Hunt Groups	X	
Preferential Hunt	X	X
Priority Queuing	X	X
Proprietary Set Interface	X	
Recorded Announcement	X	X

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

18. Feature Matrices (Cont'd)

Optional Features	Analog	Digital
Feature Name (Cont'd)		
Speed Call 30	X	X
Station Message Detail Recording	X	X
Stop Hunt	X	X
Terminal Make Busy	X	
Tie Line Facility Access	X	X
T-1 Access	X	X
Priority Call	X	X
WATS/800 Access [1]	X	X

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features

Automatic Identification of Outward Dial - Identifies all calls leaving the customer group by the station number from which calls are placed.

Direct Inward Dialing - Allows incoming calls from the exchange network to reach a specific station without attendant assistance.

Direct Outward Dialing - Allows station users to place external calls to the exchange network without attendant assistance.

Distinctive Ring - Permits a station user to determine by the cadence of the ringing, whether a call is internal or external.

Station-to-Station Calling - Allows station users to call each other using intercom dialing and is restricted to the serving wire center only for voice and circuit switched data calls.

Touch Calling - Equips all station lines for Touch Calling dialing.

Feature Package 1000

Call Alternation - Allows a station user to place one call on hold, make a second call, and talk alternately between the two parties.

Call Forward - Provides the option of fixed and/or variable forwarding of a station's incoming calls to a predetermined number. Fixed forwarding is established and changed by the Company. Variable forwarding is established and changed by the station user. This feature will forward all calls, or only those calls reaching a busy or no answer condition, to a predetermined number. Forwarding for hunt groups is available.

Call Hold - Allows a station user to place a call in progress on hold.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features (Cont'd)

Feature Package 1000 (Cont'd)

Call Pick Up-Direct - Permits a station user to pick up any ringing station in the business group by dialing a feature code plus the ringing station's intercom number. The ringing station is not required to be in the same pick up group.

Call Pick Up-Extended - Permits a station user to dial a code to extend call pick up to groups other than its own.

Call Pick Up-Group - Permits a station user to dial a code to answer a call which is ringing at another station within the call pick up group.

Call Waiting/Cancel - Allows a station user to cancel the Call Waiting feature for the duration of a single call.

Call Waiting Originating - Allows a station to send a Call Waiting tone when calling a busy station. Call Waiting Originating is restricted to calls both placed and received within the same central office.

Call Waiting Terminating - Alerts the called party, with a beep, that an incoming call is waiting.

Call Transfer - Allows a station user to transfer a call to another party.

Consultation Hold - Allows the initiator of a 3 Way Call or transfer to speak privately with the third party before completing the connection.

Dial Call Waiting - Allows a station user to send a Call Waiting tone when calling a busy station, even if the called station does not have the Call Waiting feature. Dial Call Waiting is restricted to calls both placed and received within the same central office.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features (Cont'd)

Feature Package 1000 (Cont'd)

Hunting (Directory Number) - Activates hunting when any of the directory numbers of the individual lines in the hunt group are called. If the called line is busy, hunting will start with the called line and continue to the end of the list.

Hunting (Pilot Number) - Searches for an idle line beginning with the first member of the hunt group and ending with the last member.

Hunting (Secretarial) - Searches for an idle line beginning with the group member dialed and ending with the last member in the group.

Speed Calling 6 (Individual) - Allows a station user to dial an individual list of up to 6 telephone numbers by dialing an access code and one digit. (Available on 5-ESS central office switching equipment only).

Speed Call 8 [1] (Individual) - Allows a station user to dial an individually selected list of up to 8 telephone numbers by dialing one or two digits. (Available on GTD-5 central office switching equipment only).

Station Restriction - Prevents a station user from making or receiving calls outside the business group. Calls cannot be routed beyond this restriction by an attendant or through any indirect means such as Call Transfer, Call Forwarding or Call Pick-Up.

*66 Busy Number Redial - Allows a station user to redial the last number dialed by dialing a code instead of redialing the entire telephone number. (Not available on 5ESS central office switching equipment.)

3 Way Calling - Permits a station user to put one party on hold, reach a third party, and bring all three parties together in a three-way connection.

Toll Restriction - Prevents customer designated stations from placing chargeable toll calls.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features (Cont'd)

Feature Package 2000 (features below are provided in addition to Feature Package 1000)

Automatic Callback - Enables a station user encountering a busy station to request the customer group to call back when both stations are idle.

Call Park-Multiple - Enables a station user to place multiple calls on hold and later retrieve the held calls from any station in the business group.

Circular Hunting - Searches for an idle line beginning with the number dialed, proceeding to the last member in the hunt group, wrapping around to the first member, and ending with the member preceding the one that was dialed.

Data Line Security - Protects data being transmitted on a telephone line from being disturbed by tones generated by customer group features such as Call Waiting, Executive Busy Override, etc. (Not available on 5ESS central office switching equipment.)

Multiple Classes of Service - Enables the customer to assign each station a class of service which defines the station's calling privileges and restrictions.

Saved Number Redial - Permits a station user to store a number in memory and later redial the number using a code. (Not available on 5-ESS central office switching equipment.)

Speed Call 30 (Customer group) - Allows members of a business group to share a list of up to 30 telephone numbers, each of which may be dialed using an access code and one or two digits.

Uniform Call Distribution (UCD) Hunting - Provides for call distribution in a hunt group by connecting to the line which has been idle the longest. (Applies to circular hunt only).

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features (Cont'd)

Feature Package 3000 (features below are provided in addition to Feature Package 1000 and 2000)

Call Forward/Incoming - Forwards incoming calls from outside the business group to a predetermined alternate number within the business group when the called station is busy.

Call Forward/Within Group - Forwards calls originating from within the business group to a predetermined destination. Calls originating from outside the business group are completed as if Call Forwarding were not in effect.

Executive Busy Override - Allows a station user, upon reaching a busy station within the same business group, to "break-in" to the existing conversation. The customer group sends an alert tone to the conversing parties and creates a three-way call controlled by the party breaking in.

Off-Hook Queuing - Allows a station user to remain off-hook and wait for an idle trunk in order to complete a dialed call.

Remote Access to Features [1] - Allows an authorized user to call in from the exchange network and gain access to all features within a business group by supplying an authorization code. This also includes the Remote Activation of Call Forward function that allows customers to activate, change, or deactivate their Call Forwarding Service from a remote location.

Ringback Queuing - Permits a station user with activated queuing to hang up and wait for a trunk to become idle. When a trunk is available, the station user is notified by a Distinctive Ring tone.

Speed Call 30 (Individual) - Allows a station user to dial an individually selected list of up to 30 telephone numbers by dialing two to four digits.

[1] This feature is grandfathered to existing customers (effective February 15, 2000) at existing locations for the duration of their contract.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

19. Customized Multiline Telephone Service Basic Operating Features (Cont'd)

Customized Multiline Telephone Service CLASS

*66 Busy Number Redial - Description in Section 6.

*69 *69 Call Return - Description in Section 6.

Caller ID - Number - Description in Section 6.

Caller ID - Name and Number - Description in Section 6.

Call Block - Description in Section 6.

Selective Call Acceptance - Description in Section 6.

Selective Call Forward - Description in Section 6.

Special Call Waiting allows a customer to choose up to 12 numbers which can activate Call Waiting. Incoming calls placed from numbers not selected by the customer receive busy signals when the customer's line is busy. Customers may not subscribe to Call Waiting and Special Call Waiting on the same line.

The features below can be ordered individually at the rates and charges set forth in this catalog.

Additional Numbers - A software number which has the characteristics of a basic exchange access line. A Feature Package rate is applicable to each Additional Number.

Attendant Data Link Console Interface - Allows the use of a proprietary data-link multiplexed console which is connected to the central office. (Requires three (3) additional Customized Multiline Telephone Service lines. Available where technology exists).

Attendant Flexible Night Answer - Allows the attendant to reassign the destination for Predetermined Night Answer calls. (Requires Data Link Console.)

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

20. Customized Multiline Telephone Service Optional Customer Group Features

Attendant Identification-Multiple Directory Numbers - Enables the attendant to identify an incoming call by directory number using the console display. If the subscriber has multiple directory numbers, the number being called will be displayed on the attendant console. (Requires Data Link Console.)

Attendant Mixed Night Answer - This feature is a combination of Universal and Predetermined Night Answer. Incoming calls can be switched to either type of night answer by the attendant. (Requires Data link Console.)

Conference Calling - Permits a station user or attendant to form a conference with a maximum of six or eight parties (depending on technology), including other stations and/or parties reached over trunks.

Code Call Access - Provides access to customer provided code calling signaling devices.

Data Closed User Group permits grouping Circuit Switched Data Channels into groups. Calls within a group are allowed but calls between groups are denied.

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

Digital Data Intercom Dialing is an intra-group data function that allows a station user to call another station user, both within the same customer group, usually with abbreviated dialing. No usage charges are incurred on Data Intercom calls.

Dictation Access and Control - Provides for station access to customer provided dictation equipment.

Attendant Universal Night Answer - Allows incoming calls to an attendant to be answered by any station in the attendant's business group during nonbusiness hours. This feature also allows for the transfer of calls during commercial power failure. (Requires Data Link Console.)

Authorization Codes - Used to override the calling restrictions placed on a particular line.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

20. Customized Multiline Telephone Service Optional Customer Group Features (Cont'd)

Automatic Route Selection (ARS) - Provides an automatic means of low-cost route selection. ARS provides up to 10 routes and allows customers to prioritize these routes based on cost. This feature also includes:

Expensive Route Warning - Provides a warning tone indicating an expensive route has been selected.

Facilities Restriction Level - Allows each station and each facility access in the business group to be assigned a restriction level for use with ARS.

Time of Day Routing - Provides for route selection based on the most economical path for a particular time-of-day or day-of-week

FX Access - Connects to foreign exchange line facilities.

ISDN-PRI Customized Multiline Telephone Service Access – Provides the interface between ISDN-PRI Tie Channel Services and the Customized Multiline Telephone Service System. ISDN-PRI Access and Tie Channel Service are required for this application. PRIs that only require Tie Channel intercom functionality do not require ISDN-PRI VOIP Customized Multiline Telephone Service Access charges.

ISDN-PRI Voice over Internet Protocol (VOIP) Customized Multiline Telephone Service Access is augmented with Customized Multiline Telephone Service features to integrate Customized Multiline Telephone Service with Voice over the Internet Protocol applications. ISDN-PRI Access and Tie Channel Service are required for this application.

Limited Automatic Call Distribution - Allows incoming trunk calls to be directed to and distributed among a select group of stations using distributive hunting.

Music-on-Hold - Provides access to a common music source for use with call hold, transfer, park and queuing features.

Paging/Public Address Access - Provides a central office interface to a loudspeaker at the customer premises for paging and/or public address.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

20. Customized Multiline Telephone Service Optional Customer Group Features (Cont'd)

The features below can be ordered individually at the rates and charges set forth in this catalog. (Cont'd)

Pilot Number of Hunt Groups - A directory number used to access a hunt group. (No associated cable pair required.)

Preferential Hunting - Assigns hunting for an individual group of hunt group members to a pilot number of another circular hunt group.

Priority Queuing - Provides two levels of priority in the handling of queued calls: high priority and low priority.

Proprietary Set Interface - Provides capability for central office connectivity for business proprietary sets.

Recorded Announcement - Routes calls to a recording in the Company's central office. The recording may be customized at the customer's option.

Speed Call 30 (Customer group) - Allows members of a business group to share a list of up to 30 telephone numbers, each of which may be dialed using an access code and one or two digits.

Station Message Detail Recording (SMDR) - Magnetic Tape Only - Provides a record of calls originated by Customized Multiline Telephone Service station lines or incoming tie-line groups. SMDR information is provided on magnetic tapes which are sent to the customer's site.

Stop Hunt - Uses a code to stop the hunting process when a particular line is reached in a hunting sequence.

Terminal Make Busy - Allows a station or group of stations to appear busy to incoming calls.

Tie Facility Access - Provides access to tie line facilities which connect the business group to another Customized Multiline Telephone Service, PABX or similar facility.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

20. Customized Multiline Telephone Service Optional Customer Group Features (Cont'd)

T1 Access - Allows a Customized Multiline Telephone Service customer to access a dedicated digital facility.

Priority Call - Description in Section 6.

WATS Access [2] - Allows a Customized Multiline Telephone Service customer to access WATS for bulk toll calling.

800-Service Access - Allows 800 Service Access to terminate in the Customized Multiline Telephone Service Customer group.

21. Digital (ISDN) Customized Multiline Telephone Service

B-Channel - (Bearer Channel). A channel used to carry digitized voice and data information at a speed of 64 kbps.

B-Packet [1] - A service which permits a customer to use a B-Channel for packet switched data.

Basic Rate Interface (BRI) [3] - BRI supports two 64 kilobits per second (kbps) B-Channels and one 16 kbps D-Channel (2B+D). (C)

Clear Channel Capability - The capability to transport 64 kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel - The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel) - A communications path that operates at 16 kbps in support of network control signals and 9.6 kbps X.25 packet data [1].

D-Packet [1] - Service which permits a customer to use a D-Channel for packet switched data. Utilizes 9.6 of the 16 kbps on BRI ISDN D-Channel and allows for more than one data device.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

[3] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN-BRI) [2] Customized Multiline Telephone Service. Customized Multiline Telephone Service provided by ISDN-BRI[2]. (C)

Integrated Services Digital Network (ISDN) – A set of standards which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data [1].

IntraCustomer group Caller ID – A function which allows a station within a customer group to identify a caller calling from another station within the same customer group.

Kbps – Kilobits Per Second.

Mbps – Megabits Per Second.

Multi-Button Key Set (MBKS) Service – A Basic or Deluxe package of central office functions operated or activated by customer premises equipment.

Multipoint – any digital local loop supporting more than one user.

User – A member of a business customer group.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) Basic Package (Cont'd)

Automatic Callback on Busy - allows the user to activate Automatic Callback on Busy when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the caller. When the caller goes off-hook, the call is placed.

Bridging - allows a party to establish a conference call within a customer group by bridging into a call. Only one party can bridge into a call. Bridging can be inhibited by activating Manual Exclusion.

Call Alternation - See Customized Multiline Telephone Service Feature Package 1000.

Call Forward - Description in Section 6.

Call Pickup - allows a user to pick up a call directed to another station in the customer group.

Conference Calling - allows a user to set up a conference call. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected.

Drop - allows a user to disconnect the last party added to a conference call, or the other party if only two parties are conferenced.

Digital Data Intercom Dialing - is an intra-group data function that allows a station user to call another station user, both within the same customer group, usually with abbreviated dialing. No usage charges are incurred on Data Intercom calls.

Flex Calling - allows a user to arrange a conference call. Conference calls can include parties within and outside the group. Up to nine parties can be connected simultaneously.

Hold - allows the MBKS set user to place a call on hold by pressing the function button. Any MBKS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) Basic Package (Cont'd)

Intercom Function - allow the station set to emulate a dedicated wire to another station for priority conversations without typing up the station set from active or incoming calls.

Key Customer group Coverage for Analog Lines - allows an analog station set to share calls with the ISDN station set.

Manual Exclusion - allow an MBKS set user to inhibit other stations from picking up a call on hold or bridging onto a call that is active at that station.

Multiple Directory Number Buttons - provides access to more than one Directory Number (DN) on the MBKS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.).

Privacy Release - allows a user to inhibit other stations from answering a call on hold or from bridging onto calls. (See Manual Exclusion.)

Ring Again - allows a user to arrange for Automatic Callback on Busy when a busy number is encountered. When the busy station becomes idle, a distinctive ring alerts the caller. When the station set is taken off-hook, the call is placed.

Shared Call Appearances of a Directory Number - allows several MBKS station sets to share one or more Directory Numbers. Originating and terminating events on one station set affect all stations sharing that Directory Number. The shared Directory Numbers can have multiple call appearances, multiple calls can exist on one Directory Number, and more than one station sharing the Directory Number can have a call active on that shared Directory Number.

Speed Call - Description in Section 6.

Station Restriction - See Customized Multiline Telephone Service Feature Package 1000.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) Basic Package (Cont'd)

Terminal Management - provides a management function for the MBKS terminal and, therefore, is mostly transparent. However, the following capabilities impact the user:

- Adjunct Control
- Automatic Hold/Drop Preference
- Button Management
- Call Appearance Selection for
- Implicit Conference and Transfer
- Display for Ringing Call
- Appearances Only
- Feature Button Inspection
- Idle Call Appearance Preference

Time and Date Display - is a subscription feature for ISDN attendants and ISDN station set users. The 5ESS Switch provides the time and date to the ISDN station set.

Transfer - allows the MBKS set user to transfer a call to another Directory Number in the customer group by pressing the transfer button, dialing the Directory Number, and pressing the button again.

Multi-Button Key Set (MBKS) Basic Package, plus

Called Line Identification (CLID) - provides a user originating a call with information about the called party and the facility or destination. Facility and call destination information are provided via the ISDN Call Identification (ICI) call types. The CLID information provided is:

- Call Appearance Identification
- Called Directory Number (DN)
- ISDN Call Identification (ICI)

If an attendant is originating the call, the switch also provides the originating permissions of the called party. This feature is billed only on a flat-rate basis.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) Deluxe Package (Cont'd)

Delayed and Abbreviated Ringing - alerts MBKS set for a predetermined interval before ringing another designated MBKS set.

Display for Ringing Call Appearances Only - will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person (usually a secretary) has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared back up coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

Feature Inspect - provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure: (1) the Inspect Feature button is depressed, and (2) the feature or call appearance button to be inspected is pressed. The feature assigned or, for call appearances, call related information is displayed.

Incoming Priority Calling - permits calls outside the business group to be terminated to a priority call appearance. Terminations to priority appearances use normal intergroup alerting as opposed to priority alerting.

Initiated Priority Calling - provides an ISDN equivalent of Dial Call Waiting. A station user initiates a priority call by one of two methods: (1) dialing the initiated priority calling function code or pressing a priority calling feature button, then dialing the digits of the called party.

Inspect ISDN Terminals - retrieves and displays call-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The data that can be displayed includes: call appearance identification, called or calling Directory Number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) Basic Package (Cont'd)

Intercom Alerting - provides a distinctive ring and/or visual indicator to alert the MBKS set user of an intercom call.

Originating Priority Calling - provides an ISDN equivalent of Call Waiting Originating. When assigned to a particular station set, all calls originated from it are priority calls.

Outgoing Called Line Identification for ISDN Terminals - provides a user originating a call with information about the called party and the facility or destination. Facility and call destination information are provided via the ISDN Call Identification (ICI) call types. The OCLID information provided is:

- Call Appearance Identification
- Called DN
- ICI

If an attendant is originating the call, the switch also provides the originating permissions of the called party. This feature is billed only on a flat-rate basis.

Priority Calling Incoming Only - provides an ISDN equivalent of Call Waiting-Incoming Only. With this feature, calls outside the business group can terminate to a priority call appearance. Terminations to priority appearances use normal intergroup alerting as opposed to priority alerting.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Multi-Button Key Set (MBKS) 3000-Deluxe Package

Multi-Button Key Set (MBKS) Package Plus

Call Forward/Incoming - See Customized Multiline Telephone Service Feature Package 3000

Call Forward/Within Group - See Customized Multiline Telephone Service Feature Package 3000

Executive Busy Override - See Customized Multiline Telephone Service Feature Package 3000

Digital (ISDN) Attendant Package Features

Flexible Night Service/Attendant Call Forward

Night Service - routes calls normally directed to the attendant group to a different location (night location, also known as a night telephone number). Routing may be provided in one of the following ways:

- Fixed - All calls to all listed Telephone Numbers (LTNs) served by Multiple Position Hunt (MUPH) or ISDN Attendant (ISAT) groups are routed to a preselected (at subscription time) night telephone number and the activation/deactivation of it is done from a designated console only.
- Trunking Answer from any Station - All calls to all LTNs served by MUPH or ISAT groups activate a night bell or other indicator so that calls may be answered at any station by dialing an answer access code for the call pickup feature.
- Flexible - The Attendant Call Forward feature is used to selectively route all calls to an LTN served by a MUPH or ISAT group to a different customer changeable night telephone number and the activation/deactivation of it can be done from any console in the MUPH or ISAT group. Flexible and fixed night service can be assigned concurrently to the same MUPH or ISAT group and both features can be used by attendants. The flexible night service feature, when activated, will take precedence over the fixed night service activation.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Call Forward - allows attendant to activate/deactivate call forwarding for any LTN within the MUPH or ISAT group (i.e., Flexible night service) and for any extension or station with call forwarding variable assigned can be controlled from the attendant console.

Number of Calls on Queue-ISDN Attendant - can be displayed for each ISDN call identification (ICI) type. By repeating the request, the attendant can display all ICI queues.

Queuing of ISDN Attendant with Call Waiting Indication (Lamps) - provides queuing of calls designated for attendants who are to receive a particular call type, as determined by the Incoming Call Identification feature. Queues are served on a "first come, first serve" basis. An indicator is lighted to alert the attendant that a call is waiting.

Total Number of Calls Handled Display Data for ISDN Attendants - provides supervisors with traffic data information about each attendant in the ISDN attendant group. This information includes:

- Average time for calls on queue abandoned before being served
- Average time on queue for served calls
- Longest time for a call on queue
- Total number of calls on queue abandoned before being served
- Total number of served calls

Analog Attendant Package Features

Access to Paging - This feature allows an attendant to gain access to customer-provided loudspeaker paging equipment to summon a particular person over speakers located throughout the customer's premises.

The feature also provides a preempt capability allowing an attendant to force-release a calling party from a loudspeaker access.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Analog Attendant Package Features (Cont'd)

Autodial - This feature permits an attendant to dial frequently called numbers by pressing a feature key, which is programmed with a particular number.

Automatic Recall - This feature allows redirect of extended calls to unanswered stations, camped-on stations, or stations with call waiting back to the Attendant. This also provides for redirect of calls parked for a predetermined amount of time. (D)

Call Hold - This feature allows an Attendant to hold a call manually on the loop by pressing a key.

Call Park - This feature allows the attendant to park calls against any directory number in the customer group.

Call Selection - This feature enables an attendant to answer incoming calls using either of the following methods:

- in the order they are received, regardless of the incoming call type;
- by manually selecting a specific incoming call type.

Camp-On - This feature allows the attendant to extend an incoming call to a busy station. When the busy station becomes idle, it automatically rings and is connected to the waiting call.

Code Calling Line Termination - With this feature, the Attendant can access customer provided code-call equipment using an access code and a called party code.

Conference - This feature allows the attendant to establish a conference with up to 30 conferees.

Console Activation of Call Forward - This feature allows attendants to activate, deactivate, and program Call Forwarding for stations.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Analog Attendant Package Features (Cont'd)

Console Test - Allows attendant to test the functional operations of a console.

Control of Trunk Group Access - This feature allows the attendant to control the access of all stations and incoming trunks to various trunk groups by operating corresponding keys.

Control of Virtual Facility Groups - This feature allows the attendant to control the access of all stations and incoming trunks to VFGs by a single key.

Delayed Operation - This feature allows the attendant to place a call for a calling station while the calling station waits on hook.

Display of Queued Calls by ICI Key - This feature provides console operators with a visual indication of the number of calls queued to be answered.

Flexible Console Alerting - Allows an attendant to be alerted to a call requiring attention.

Interposition Calls - This feature allows an attendant to call, speak to, and transfer a call to another attendant.

Locked-Loop Operation - This feature allows an attendant to hold a call on loop. Attendant Locked Loop Operation consists of two hold types, manual and automatic. Both types are attendant console features.

- in the order they are received, regardless of the incoming call type,
- by manually selecting a specific incoming call type.

Lockout - Prevents the attendant from re-entering a call on a held loop unless recalled by a station user or by Automatic Recall.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Analog Attendant Package Features (Cont'd)

Multiple Listed Directory Numbers - Each directory number is assigned a unique lamp. The maximum number is limited by the number of available lamps and keys on the console.

Position Busy - This feature allows the attendant to make the console unavailable to additional queued calls.

Priority Console Alerting - This feature allows an attendant to be alerted to an enqueued emergency call while the console is idle, active on a call, position busy, or night service.

Recorded Announcement - This feature permits the routing of either originated or extended attendant calls to an optional announcement.

Secrecy - This feature allows the attendant to talk to a called party (destination) without the calling party (source) hearing the conversation. When the attendant releases from the call, the source and the destination are connected.

Serial Call - This feature allows an attendant to extend a call to more than one station.

Speed Call - This feature allows the attendant to dial frequently called numbers with an abbreviated number of digits. A console can have one Speed Call 8, one 30, and can be a user of a Speed Call 30.

Transfer - This feature allows a call that is transferred by a station to an attendant to be queued on a first-in, first-out basis.

Two-Way Split - This feature allows the attendant to talk privately to either the calling party or the called party.

Wildcard Key - This feature allows any special feature normally available through the use of a feature key to be invoked through the Wildcard Key, with the exception of ICI.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Circuit Switched Data 1000 Package

Data Call Forward - allows a customer to forward incoming calls to another telephone number.

Data Multiline Hunt Group - provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call 8 - allows speed calling over a Circuit Switched Data Channel. Allows storing up to eight numbers.

Data Toll Restriction - denies toll calls attempted from Circuit Switched Data Channels.

Digital (ISDN) Customized Multiline Telephone Service Attendant Package Features

Aggregate Work Time/Number of Calls Handled for ISDN - allows a supervisor, or attendant, to display data about an attendant position. The data includes.

- Aggregate time spent handling calls
- Length of time the console was active
- Number of calls handled

(D)
|
(D)

Attendant Call Hold - allows the attendant to hold a call in progress to originate another call, or pick up a call on hold. Timed reminder is activated when the call is placed on hold by the attendant.

Attendant Call Splitting - allows the attendant to consult privately with the called party without the calling party hearing. The attendant can alternate conversation between the called and calling party before completing (or terminating) the call.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Customized Multiline Telephone Service Attendant Package Features

Attendant Call-Through Tests (Physical Trunks) - allows the attendant to set up a test call over a selected physical trunk in a trunk group to determine if the trunk is working properly.

Attendant Camp-On - allows calls that the attendant attempts to complete to a busy analog or ISDN station to be held waiting until the station becomes idle. The attendant can release from the connection. A call waiting indication is given to alert the busy party. When the busy station becomes idle, it is automatically alerted and connected to the calling party without attendant intervention. While waiting, the caller (and the attendant) can be connected to silence, tone, audible ringing, or announcement. The Timed Reminder feature can be initiated when camp-on is activated. Calls to the attendant from within the group and from outside the group can be camped-on to a busy station.

Attendant Conference Calling - allows the attendant to set up conference calls with any combination of extensions or trunks on the internal conference bridge. The maximum number of parties on the conference call is limited to the capacity of the multiport conference circuit.

Attendant Console Terminal Management - provides management services for the attendant console but is not a feature that an attendant uses as part of attendant's responsibilities. Rather, it is a feature provided by the switch to support the attendant console. The basic services provided are:

Button Management - The switch maintains information about the button configuration of the console. For example, a console could have ten buttons. For one console, the switch could configure these ten buttons to be six call appearances and four feature buttons. For another console, these ten buttons could be eight call appearances and two feature buttons.

Call Appearance Selection - The switch selects a call appearance on the console for incoming calls and for certain attendant-originated calls (e.g., originations via Direct Trunk Group Selection, Direct Station Selection, etc.).

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Console Terminal Management (Cont'd)

Telephone Number Management - A maximum of eight listed telephone numbers (TNs) can be assigned to an attendant group. The switch does not support shared call appearances for attendant positions. Each attendant is capable of having a unique TN, other than the listed telephone number (LTN), for purposes of attendant-to-attendant calls.

Display Management - Many of the attendant features use a console display.

Lamp Management - Lamp management is responsible for controlling console lamps associated with features.

Tones Management - The switch informs the console to alert the attendant to one of four specific events. The console is responsible for generating corresponding tones. Note that these are not in-band call processing tones generated by the switch. The four alerting tones, arranged in priority of importance are:

1. Emergency informs the attendant that an emergency call is waiting (highest priority).

2. Timed Reminder informs the attendant that a timed reminder for a held call or an unanswered transferred call has expired.

3. Call Waiting informs the attendant that calls are in queue waiting to be answered.

4. Alerting informs the attendant that a call is alerting the console.

Attendant Control of Voice Terminals - feature routes calls destined for a line or group of lines to the attendant for handling. It is activated by the attendant or automatically by the switch.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Console Terminal Management (Cont'd)

Attendant Direct Station Selection/Busy Lamp Field - feature allows the attendant to display the status of up to 10,000 telephone numbers (TNs) in 100 groups of 100 contiguous TNs starting at 00. Within a group of 100, the attendant can select a station via a single keystroke. Two selection options are available: one for monitoring up to 800 TNs and the other for monitoring up to 10,000 TNs.

Attendant Direct Trunk Group Selection - allows the attendant to select an idle trunk for an outgoing call by pressing a single button on the console.

Attendant Emergency Override - allows the attendant to complete incoming calls to stations:

- That are busy from setting the make busy key;
- That have a series completion or multiline hunt arrangement;
- With Call Forwarding activated; or
- With terminating restrictions.

Attendant Incoming Calling Identification (Customer Group) - allows an attendant to identify the type of facility over which an incoming call to the attendant was routed.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Console Terminal Management (Cont'd)

Attendant Night Service - routes calls directed to the ISDN Attendant to a different station. This feature is activated and deactivated from a designated ISDN Attendant console. The user can select one of the following options for Night Service routing:

Fixed Routing - Calls are routed from the major listed telephone number to a preselected night station. Routing is controlled by the operating company and can be charged by a service order.

Flexible Routing - The ISDN Attendant user Call Forwarding-Variable to arrange routing.

Trunk Answer From Any Station - Calls activate a night ring or other indicator at all stations in the group. Calls can be answered at any station by dialing an access code for the call pickup feature.

When Night Service is activated, trunk queuing and automatic callback are automatically canceled, and the attendant can originate calls.

Attendant Originated Permission Display (Class of Service) - identifies the originating permissions of lines that have been routed to the attendant.

Attendant Position Busy - allows the position to be made busy by the attendant. When the position is made busy in a single position arrangement, new calls to the position receive busy treatment. In a multiple position arrangement, new calls are directed to a different console position. When a position is in a position-busy state, the attendant can serve calls on hold, calls alerting the console, and calls on a timed reminder and can also originate calls. The attendant can remove the position busy condition at any time.

Attendant Power Failure Transfer (ISDN Communication Failure) - routes calls destined for the attendant to a preassigned telephone number (TN) during a commercial power failure at the customer premises.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Console Terminal Management (Cont'd)

Attendant Selective Customer Control of Facilities - allows an attendant to deny access to a trunk or simulated facility group. All calls, including attendant-originated calls, are denied access to the facility when this feature is activated. Calls to restricted facilities are routed as specified by the customer.

Attendant Through Dialing - allows an attendant to access an outgoing facility for a calling party within the group who has restrictions or difficulty in placing an outgoing call.

Attendant Timed Reminder - provides a timer that is started when a call is camped-on, when the called party has not answered after a transfer, or when a call is on hold. When the timer expires, the attendant is alerted and can pick up the call to talk to the calling party. The length of the timer is specified by the customer.

Attendant Traffic - provides the following counts for each attendant console position. These counts are available only to a designated attendant (master position) for display at the console and via traffic data to customer reporting mechanisms.

- Aggregate work time for the position
- Minutes the position has been active
- Number of calls handled by the position

Customer traffic reports these counts periodically (every 30 minutes). The master position can obtain this information for each attendant position in the attendant group. The master position must make repeated requests for this data to sequence through all the data for attendants in the attendant group.

These counts are zeroed by the switch when an attendant activates a position. The counts apply only to calls offered to the position, not including time waiting in a central office queue or calls abandoned before connection to an attendant call appearance. These counts are not part of the standard traffic reporting mechanism of the switch (e.g., hourly reports).

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Traffic (Cont'd)

Attendant Trunk Group Indicators - allow an attendant to monitor the level of traffic on customer selected trunk groups. A maximum of 16 trunk groups per attendant position can be monitored. A maximum of 64 trunk groups per attendant group can be monitored. Each attendant position is capable of monitoring a different set of trunk groups. Two trunk indicators, busy and warning, are provided per trunk group. These indicators are based on traffic thresholds. The attendant is notified if the thresholds are exceeded or if the traffic levels recede below the thresholds.

Attendant Trunk Identification - provides a display of the trunk group and member number of the incoming or outgoing trunk in use at the request of the attendant.

Attendant Trunk Queuing - allows an attendant position to invoke this feature when all trunks in a trunk group are busy and provides call-back when a trunk is available.

Automatic Dropback to ISDN Attendant (Serial Calls) - lets an attendant complete a call from an incoming trunk to two or more stations in succession, without requiring the calling party to redial the attendant. When the called party disconnects, the attendant is recalled and the calling party can give further instructions for the next call. This feature provides time and cost savings for a long-distance caller because the largest cost per time-segment occurs at the beginning of a call. Serial calling can also be used by callers within a group to place a series of calls over an outgoing trunk.

Dial Access to ISDN Attendant provides dial access from stations within the customer group.

Even Call Distribution (Uniform Call Distribution) uniformly distributes calls to multiple attendant positions.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Traffic (Cont'd)

Flexible Night Service/Attendant Call Forward

Night Service - routes calls normally directed to the attendant group to a different location (night location, also known as a night telephone number). Routing may be provided in one of the following ways:

- Fixed - All calls to all listed Telephone Numbers (LTNs) served by Multiple Position Hunt (MUPH) or ISDN Attendant (ISAT) groups are routed to a preselected (at subscription time) night telephone number and the activation/deactivation of it is done from a designated console only.

- Trunking Answer from any Station - All calls to all LTNs served by MUPH or ISAT groups activate a night bell or other indicator so that calls may be answered at any station by dialing an answer access code for the call pickup feature.

- Flexible - The Attendant Call Forward feature is used to selectively route all calls to an LTN served by a MUPH or ISAT group to a different customer changeable night telephone number and the activation/deactivation of it can be done from any console in the MUPH or ISAT group. Flexible and fixed night service can be assigned concurrently to the same MUPH or ISAT group and both features can be used by attendants. The flexible night service feature, when activated, will take precedence over the fixed night service activation.

Attendant Call Forward - allows attendant to activate/deactivate call forwarding for any LTN within the MUPH or ISAT group (i.e., Flexible night service) and for any extension or station with call forwarding variable assigned can be controlled from the attendant console.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Digital (ISDN) Attendant Package Features (Cont'd)

Attendant Traffic (Cont'd)

Number of Calls on Queue-ISDN Attendant - can be displayed for each ISDN call identification (ICI) type. By repeating the request, the attendant can display all ICI queues.

Queuing of ISDN Attendant with Call Waiting Indication (Lamps) - provides queuing of calls designated for attendants who are to receive a particular call type, as determined by the Incoming Call Identification feature. Queues are served on a "first come, first serve" basis. An indicator is lighted to alert the attendant that a call is waiting.

Total Number of Calls Handled Display Data for ISDN Attendants - provides supervisors with traffic data information about each attendant in the ISDN attendant group. This information includes:

- Average time for calls on queue abandoned before being served
- Average time on queue for served calls
- Longest time for a call on queue
- Total number of calls on queue abandoned before being served
- Total number of served calls

Circuit Switched Data 1000 Package

Data Call Forward - allows a customer to forward incoming calls to another telephone number.

Data Multiline Hunt Group - provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call 8 - allows speed calling over a Circuit Switched Data Channel. Allows storing up to eight numbers.

Data Toll Restriction - denies toll calls attempted from Circuit Switched Data Channels.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

Circuit Switched Data 2000 Package

Data Call Back - notifies a calling party after a busy line becomes idle and then automatically establishes the call.

Data Circular Hunting - searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Group Speed Call 30 - permits sharing a list of speed call numbers among a group of lines. The list may be updated by a service order. The function permits up to thirty stored numbers.

Data Speed Call 30 - allows speed calling over a Circuit Switched Data Channel. Allows storing up to thirty numbers.

X.25 Basic Package [1]

X.25 Flow Control Parameter Negotiation - permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred - prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred - prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge - permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance - allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation - allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication - allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

C. FEATURES (Cont'd)

21. Digital (ISDN) Customized Multiline Telephone Service (Cont'd)

X.25 Enhancement Package [1] Includes X.25 Basic Package Plus

X.25 Closed User Groups - allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group.

X.25 Fast Select - allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance - allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups - allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel - allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit - allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

Individual Services

Data Direct Connect - provides an automatic connection between a calling line that goes off hook and a predetermined telephone number using a Circuit Switched Data Channel.

Data Closed User Group - permits grouping Circuit Switched Data Channels into groups. Calls within a group are allowed but calls between groups are denied.

[1] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES

1. Service Line

Rates are determined by the total customer group size. Total customer group size will be a combination of Analog and Digital ISDN Service lines. For example, if a customer requests 28 Analog/Digital lines, all 28 lines will be billed at the 26-50 lines group, per Analog/Digital line rate.

Pricing Example:
Customer requests 50 stations split evenly between Analog Customized Multiline Telephone Service and Digital (ISDN) Customized Multiline Telephone Service, 12-month term.

25 Analog stations = 25 Analog lines
25 Digital (ISDN) stations = 25/2 = 12.5 = 13 Digital (ISDN) lines [Each Digital (ISDN) Customized Multiline Telephone Service supports 2 stations]

Total customer group (Analog + Digital) = 38 lines (50 stations)

Price using "26-50 lines" line range since total customer group is 38 lines.

12-Month Term, 26-50 lines, Analog = ($13.75/line) (25 lines) = $531.25
12-Month Term, 26-50 lines, Digital = ($25.05/line) (13 lines) = $409.10

Arrangements exceeding 400 lines will be offered on an individual contractual basis.

Other rate elements will apply as required.

The following rates apply during the term period.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

1. Service Line (Cont'd)

a. Analog Customized Multiline Telephone Service Line

	Monthly Rate	Nonrecurring Charge Initial Line Connection Charge	Nonrecurring Charge Subsequent Line Connection Charge
Month-to-Month			
2 - 25 lines, per line	$82.90 (I)	$12.00	$12.00
26 - 50 lines, per line	$83.85 (I)	$12.00	$12.00
12-Month Term			
2 - 25 lines, per line	$17.80	$6.00	$12.00
26 - 50 lines, per line	$13.75	$6.00	$12.00
51 - 100 lines, per line	$78.35 (I)	$6.00	$12.00
101 - 200 lines, per line	$58.15 (I)	$6.00	$12.00
201 - 250 lines, per line	$57.95 (I)	$6.00	$12.00
36-Month Term			
2 - 25 lines, per line	$17.70	None	$12.00
26 - 50 lines, per line	$13.65	None	$12.00
51 - 100 lines, per line	$13.25	None	$12.00
101 - 200 lines, per line	$13.05	None	$12.00
201 - 400 lines, per line	$12.85	None	$12.00
60-Month Term			
51 - 100 lines, per line	$13.15	None	$12.00
101 - 200 lines, per line	$12.95	None	$12.00
201 - 400 lines, per line	$12.75	None	$12.00
84-Month Term			
51 - 100 lines, per line	$13.05	None	$12.00
101 - 200 lines, per line	$12.85	None	$12.00
201 - 400 lines, per line	$12.65	None	$12.00

Note: The Initial Service Charge and Subsequent Service Charge as identified in this catalog plus the Initial Line Connection Charge and Subsequent Line Connection Charge as identified above will not apply to the initial installation of Analog Customized Multiline Telephone Service lines when installed at catalog rates under a term commitment.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

1. Service Line (Cont'd)

b. Digital (ISDN) Customized Multiline Telephone Service Line

	Monthly Rate	Nonrecurring Charge
Month-to-Month		
2 - 25 lines, per line	$29.50 [1]	$70.00
26 - 50 lines, per line	$25.45 [1]	$70.00
12-Month Term		
2 - 25 lines, per line	$29.10	$35.00
26 - 50 lines, per line	$25.05	$35.00
51 - 100 lines, per line	$24.65	$35.00
101 - 200 lines, per line	$24.45	$35.00
201 - 250 lines, per line	$24.25	$35.00
36-Month Term		
2 - 5 lines, per line	$29.00	None
26 - 50 lines, per line	$24.95	None
51 - 100 lines, per line	$24.55	None
101 - 200 lines, per line	$24.35	None
201 - 400 lines, per line	$24.15	None
60-Month Term		
51 - 100 lines, per line	$24.45	None
101 - 200 lines, per line	$24.25	None
201 - 400 lines, per line	$24.05	None
84-Month Term		
51 - 100 lines, per line	$24.35	None
101 - 200 lines, per line	$24.15	None
201 - 400 lines, per line	$23.95	None
c. Digital (ISDN-BRI) Line Extension [2, 3]	$22.50	$55.00

[1] Requires a three-month minimum service period. (C)

[2] These rates apply in addition to the line rates.

[3] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

2. Digital (ISDN) Customized Multiline Telephone Service Channel Capability

With each Digital (ISDN) Customized Multiline Telephone Service Line, the customer has two B-channels and one D-channel. The following options apply:

	Monthly Rate
a. B-Voice, per line	$4.00
b. B-Voice/CSD, per line	$4.50 [1]
c. B-Packet [2], per channel	$100.00 [3]
d. D-Packet [2], per channel	$13.00 [3]

3. Extended Area Service (EAS) Additive

Apply on a per Network Access Register basis. The rate additives are found under Network Access Service in Section 2 of Ill CC No. 9 tariff.

4. Network Access Register

The Network Access Register (NAR) is a software-defined path in the central office for each Customized Multiline Telephone Service customer group which provides access to the public network from the Customized Multiline Telephone Service lines in that customer group.

The following network access rate is applicable in Non-USS exchanges.

	Monthly Rate
Per Network Access	$ 115.00 (I)

The Subscriber Line Charge (SLC) found in Frontier Telephone Companies Tariff FCC No. 5 is billed on a per line basis.

[1] The measured usage rates apply for voice and for Switched Data Service in this catalog apply to all originating local and circuit switched data calls.
[2] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.
[3] Refer to Packet Switching Network Services in this catalog for complementary services.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

5. Feature Packages

	Monthly Rate	Nonrecurring Charge
a. Analog Customized Multiline Telephone Service Feature Packages per analog service line or per digital service voice channel when MBKS does not apply:		
1) 1000 Package	$8.50 (I)	
2) 2000 Package	$9.00 (I)	
3) 3000 Package	$9.50 (I)	
4) Customized Multiline Telephone Service Analog/ Digital CLASS		
3-25 Stations	$5.00	
26-49 Stations	$4.50	
50 + Stations	$4.00	
5) Analog Attendant Feature Package	$75.00	$100.00
b. Digital Customized Multiline Telephone Service (ISDN) Service		
Feature Packages:		
1) MBKS Basic Package, per line	$6.00	$25.00
2) MBKS Deluxe Package, per line	$8.00	$25.00
3) MBKS 3000-Deluxe Package, per line [1]	$10.50	$25.00
4) Circuit Switched Data 1000 Package, per line	$3.00	$15.00
5) Circuit Switched Data 2000 Package, per line	$5.00	$15.00
6) X.25 Deluxe Package [2], per line	$5.00	$15.00
7) X.25 Basic Package [2]	NC	NC

[1] If a customer orders Digital Customized Multiline Telephone Service (ISDN-BRI) and chooses to use an analog phone option, one voice feature package will apply per channel.

[2] Effective November 19, 2005, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

6. Optional Features

	Monthly [1] Rate	Nonrecurring [1] Charge
Customized Multiline Telephone Service		
Additional Numbers	$2.00	
Attendant Data Link Console Interface, per console [2]	$125.00	$200.00
Attendant Flexible Night Answer, per console [3]	$1.00	$39.50
Attendant Identification Multiple Directory Numbers, per console [3]	$1.00	$1.45
Attendant Mixed Night Answer, per console [3, 4]	$1.00	$39.50
Attendant Pre-determined Night Answer, per console [3]	$1.00	$39.50
Attendant Universal Night Answer, per console [3]	$1.00	$5.25
Authorization Codes, per 10 codes	$0.30	$3.00
Automatic Route Selection, per line	$1.00	$175.00
Calling Number ID		
2-25 lines	$10.00	
26-50 lines	$20.00	
51 + lines	$40.00	
Code Call Access, per customer group	$25.00	$25.00
Conference Calling (6 or 8 port), per port	$40.00	$100.00
Dictation Access and Control,per trunk	$40.00	$25.00
Foreign Exchange (FX) Access, per trunk	$20.00	$50.00
ISDN-PRI Customized Multiline Telephone Service Access, per PRI [5]	$200.00	
ISDN-PRI VOIP Customized Multiline Telephone Service Access [4]		
Per Block of 100 DID Numbers or fraction thereof		$235.00
Each Additional Number if less than 100		$2.50
Limited Automatic Call Distribution (ACD), per group	$0.30	

[1] Both the Nonrecurring Charge and Monthly Rate apply per customer group (per customer).
[2] Rates and charges apply only to the first console within a customer group.
[3] Requires data-link console. Rates and charges apply per console.
[4] Requires PNA and UNA.
[5] ISDN-PRI Access and Tie Channel Service or Tie Channel to an Intermediary Customer Service is provided as set forth in Section 24 of this Catalog. Initial installations are charged at the Per Block of 100 DID Numbers rate. For subsequent additions, Per Block of 100 DID Numbers or Each Additional Number rates may be used.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

6. Optional Features (Cont'd)

Customized Multiline Telephone Service	Monthly Rate	Nonrecurring Charge
Music-on-Hold, per customer group [1]	$25.00	$4.00
Paging/Public Address Access, per trunk [2]	$40.00	$25.00
Pilot Number of Hunting Groups, per console	$0.05	-
Preferential Hunting, per channel [3]	$0.05	
Priority Queuing, per group [4]	$2.00	
Proprietary Set Interface, per non-ISDN p-set	$5.00	-
Recorded Announcement per customer group	$40.00	$145.00
Speed Call 30, per customer group	$0.30	-
Stop Hunt, per line	$1.00	-
Terminal Make Busy, per hunt group	$1.00	-
Tie Line Access, per circuit	$20.00	$50.00
T-1 Access, per circuit	$100.00	$100.00
Priority Call	$4.00	-
WATS Access, per circuit [7]	$3.00	-
800 Service Access, per circuit	$3.00	-
Digital Customized Multiline Telephone Service (ISDN-BRI) – Grandfathered [8]		(C)
Call Trace, per line	$6.00	-
Circuit Switched Data Direct Connect, per line	$1.00	-
Circuit Switched Data Closed User Group, per line	$1.00	-
Caller ID – Name and Number		
2 – 25 lines	$30.00	
26 – 50 lines	$60.00	
51 + lines	$120.00	
Calling Number ID [5, 6]		
3-25 lines	$6.00	
26-49 lines	$4.50	
50+ lines	$2.00	

[1] Where facilities and conditions permit.
[2] Rates and charges apply per 100 line.
[3] Requires one or more hunt groups.
[4] Requires off-hook queuing.
[5] A maximum charge of $200.00 applies per customer for Calling Number ID.
[6] There is no charge for Cancel Calling number Delivery.
[7] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.
[8] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

7. Data Base Changes

	Nonrecurring Charge [1]
Major Software Additions, per customer group Add Customized Dialing Plan Add Customer Requested Data Base Profile	$100.00
Routine Software Change [2] Change Trunk Group Change Customer Recording Change ARS Translations Change Translations Tables Change Digital Customer Group Configuration	$50.00
Minor Software Change [2] Change Subgroup Hunt Groups ACD Hunt Group [3] Simulated Facility Group (NAR) [4] Queuing Groups [5] Night Answer (UNA/PNA) [6] Paging/Public Address/Code Calling [7] Conference Calling - 6, 8, 12, 16, 18, 24 Ports Remote Access Directory Number [8, 9]	$25.00

[1] Data Base Additions or Changes not listed in this catalog will be charged a rate of $50.00 per hour, or fraction thereof.
[2] Applies to changes to existing services.
[3] Additional minor change charge for recording, queuing, station changes.
[4] If an existing customer adds additional NARs, this charge will apply.
[5] Additional minor change charge for each trunk group.
[6] Additional minor change charge for each PNA number, zone, area.
[7] Additional minor change charge for each area.
[8] Additional minor change charge for each authorization code. [9]
[9] This feature is grandfathered to existing customers (effective February 15, 2000) at existing locations for the duration of their contract.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

D. RATES (Cont'd)

7. Data Base Changes (Cont'd)

	Nonrecurring Charge [1]
Minor Software Change [2] (Cont'd)	$25.00
Authorization Code Validation [3]	
Music on Hold Access	
Dictation Link Access	
Standard Recording	
Extended Pick Up Code	
Executive Busy Override	
Add Line Features [4]	

[1] Data Base Additions or Changes not listed in this catalog will be charged a rate of $50.00 per hour, or fraction thereof.
[2] Applies to changes to existing services.
[3] Additional minor change charge for every two (2) codes.
[4] Additional minor change charge to add toll control.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

E. CUSTOMER MOVES AND CHANGES (CMAC)

1. General

.1 Customer Moves and Changes (CMAC) provides Customized Multiline Telephone Service customers with the ability to prepare, schedule, and implement, all under their control, certain feature changes and certain configurations of their Customized Multiline Telephone Service from the customer's computer terminal.

.2 The management capabilities of CMAC include, but are not limited to, the following:

.2.1 Service Option Information Changes:

a. Service Level Assignment - The customer can change the permission level assigned to define calling privileges associated with both facilities and station users.

b. Call-Pickup Group - The customer can establish a call-pickup group and add or delete members from an existing call-pickup group.

c. Call Forwarding Number - The customer can change the number that a station user forwards calls.

d. Authorization Code Assignment - The customer can activate, change, or deactivate authorization codes. The customer can also display the features associated with the authorization code for a particular user.

e. Button Features - The customer can manage the buttons on a Multi-Button station set by either activating features or enabling call appearances (specific telephone numbers assigned to buttons).

.2.2 Activation/Deactivation of Features - The customer can either add a feature to a telephone number that does not have it, modify an existing feature, or take a feature off a telephone number that does. This function is limited to the features included in the feature packages subscribed to by the customer.

.2.3 Telephone Number Swaps - The customer can swap telephone number assignments among like lines within a Customized Multiline Telephone Service system.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

E. CUSTOMER MOVES AND CHANGES (CMAC) (Cont'd)

2. Regulations

.1 CMAC is available to either existing or new Customized Multiline Telephone Service customers.

.2 CMAC will be furnished only from offices that are technically capable of and equipped for providing the service.

.3 Customers will have 24-hour access to the CMAC system except when restricted during maintenance windows. Customers are permitted unlimited sessions on the system; however, after a period of inactivity, the system will terminate the session.

.4 Some of the lines in a customer's Customized Multiline Telephone Service system cannot or should not be rearranged. The Company will specify the unchangeable lines. The customer may have the Company designate other lines as unchangeable. Changes to these lines will be made through the Company's existing service order procedures.

.5 CMAC service is provided per customer Customized Multiline Telephone Service system.

.6 All normal or emergency functions of the central office switch processor will have priority over execution of CMAC requests. The Company assumes no responsibility for change requests delayed by priority central office switch processor functions.

.7 The Company reserves the right to inhibit CMAC service in the event of a service-affecting condition to the central office or affiliated operating support system.

.8 The Company reserves the right to bill appropriate charges should the customer-initiated changes require corrective action by the Company.

.9 Customers requesting CMAC service for 201 or more lines will be priced under an Individual Case Basis (ICB) arrangement.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

E. CUSTOMER MOVES AND CHANGES (CMAC) (Cont'd)

3. Rates and Charges

The following rates and charges apply per Customized Multiline Telephone Service system.

Line Size	Nonrecurring Charge [1]	Monthly Rate
2 - 200 Lines	$800.00	$95.00
201 + Lines	ICB	ICB

[1] Applies in addition to appropriate Service Charges.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

F. STATION MESSAGE DETAIL RECORDING (SMDR)

1. General

.1 Station Message Detail Recording (SMDR) is an optional feature of Customized Multiline Telephone Service that provides a record of calls originating from Customized Multiline Telephone Service station lines to locations outside of the same Customized Multiline Telephone Service system. Facility groups may also be designated as requiring originating and terminating records. The SMDR record includes the following information:

.1.1 The Customized Multiline Telephone Service line number of incoming facility group which originated the call or originating station number

.1.2 The called telephone number

.1.3 The date, time and duration of the call

.1.4 The facility type used for routing the call

.2 Authorization codes, if ordered by the customer, can be included in the record at the discretion of the station user.

.3 SMDR records are provided to the customer via one of the following three methods:

.3.1 Dedicated access to the customer's premises where the call records are transmitted to the customer according to a pre-determined schedule. This option requires a minimum of a dedicated voice grade line from the Central Office to the customer location. The associated rates, charges, and regulations for the dedicated access line under the appropriate Company catalog shall apply in addition to the rates, charges and regulations for SMDR.

.3.2 Dial-up access where the customer dials into a centralized location to retrieve the call records when desired. Call records are stored for a maximum of 10 days.

.3.3 Internet access where the call records are sent to the customer via the internet.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

F. STATION MESSAGE DETAIL RECORDING (SMDR) (Cont'd)

2. Regulations

.1 SMDR is available only where facilities permit and from capable central office switches only.

.2 SMDR is not represented to be a provision of billing detail.

.3 Local call records are provided only where available.

.4 Customer must designate all station lines in a customer group and/or facility groups on which SMDR is to be provided.

.5 Modem, collection devices, computer equipment and software are not provided as part of this service and are the responsibility of the customer.

.6 SMDR customers requesting dedicated access will be priced under an Individual Case Basis (ICB) arrangement. SMDR customers requesting dial-up or internet access for more than 200 lines will also be priced under an ICB agreement.

3. Rates and Charges:

	Nonrecurring Charge	Monthly Rate
Dedicated Access [1]	ICB	ICB
Dial-up Access		
2-200 Lines	$300.00 [2]	$200.00
200+ Lines	ICB	ICB
Internet Access [3]		
2-200 Lines	300.00 [2]	200.00
200+ Lines	ICB	ICB
Additions and Changes, per system change [4]		

[1] In addition to ICB rates and charges, the associated rates, charges, and regulations for the dedicated access line as set forth in this catalog shall apply.
[2] Applies in addition to appropriate Service Charges.
[3] Customer is responsible for obtaining connection to the internet.
[4] Customized Multiline Telephone Service Minor Software Change Charge as set forth in this catalog applies.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE

1. GENERAL

Customized Multiline Telephone Service Automatic Call Distribution (ACD) is a central office-based service which allows customers' incoming calls to be equally distributed to available agents. Distribution of the calls are determined by call parameters defined by the customer. ACD also allows the customer to manage fluctuations in call patterns, trunk loading and answering time frames.

ACD associate's directory numbers (DN) with groups of answering positions rather than lines. ACD then provides equitable allocation of the workload by distributing calls to customer agents who have been available for the longest period of time.

Queuing capability of ACD allows specific call types to be directed to designated workgroups. In addition, the fluctuation of incoming calls is averaged out by holding callers in queue until the traffic load lightens. The queue reduces the total number of customer operators needed to handle peak traffic loads by holding calls until they can be equally distributed.

ACD is used with customer provided electronic or nonelectronic telephone sets. An electronic telephone set is a Multi-Button telephone set that allows for feature activation or for directory numbers. A nonelectronic telephone set requires an agent to dial codes to activate features.

The Management Information System (MIS) is a computer-based system that provides detailed call management information by providing a global view of ACD call activities within the customer's call center. The information assists in evaluating traffic patterns, trunk utilization, agent efficiency and lost calls. At the supervisor level, ACD/MIS provides reports of the real-time status of agents and queues by providing reports for continual analysis of transaction activities. These reports enable the supervisor to immediately modify staffing and/or queuing to accommodate increases and/or decreases in call volumes.

Customized Multiline Telephone Service ACD Service is available to only to Customized Multiline Telephone Service customers and subject to the availability facilities from central offices equipped with DMS-100 switches.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

1. GENERAL (Cont'd)

The customer must provide compatible premises equipment for MIS functionality. Some features may require a particular software release level in a customer-provided MIS to function to its fullest extent.

Agent Positions may be equipped with customer-provided electronic and/or nonelectronic telephone sets within the same system and group.

Customized Multiline Telephone Service ACD/MIS Service is subject to all general regulations applicable to the provision of service by the Telephone Company as specified in other sections of this Catalog.

A private line intraexchange data circuit is required between the customer's Management Information System and the Telephone Company serving central office.

The customer must subscribe to the Basic Agent Feature Package before subscribing to the Advanced Agent Feature Package or Optional Features.

Customers subscribing to Secondary Directory Numbers must subscribe to a Customized Multiline Telephone Service Feature Package for functionality.

2. DEFINITIONS

Abandoned Call Clearing - Provides for the removal of a call when a caller abandons either while in an incoming call queue or after the call was presented to the agent position.

ACD Group - A group of agents receiving calls directed to the same incoming call queue. These agents can be in one or more supervisor subgroups. There is a maximum of 256 agents per ACD group.

ACD Overflow of Enqueued Calls - Provides for calls that have been in queue, for a customer determined amount of time, to queue against another group as well as the original queue.

ACD Multiple Line of Business Codes - Allows handling and tracking of multiple activities for the same call in a customer environment with more than one line of business (LOB).

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

ACD Node - Individual customer ACD group(s) served from the same Telephone Company central office.

ACD Secondary Directory Number - Provides for the assignment of a feature access position of one or more secondary directory numbers that are separate from the incoming ACD Directory Numbers. This feature allows agents to receive direct non-ACD incoming calls and to make outgoing calls.

ACD Walkaway/Closed - Allows agents to enter a three-digit code, to identify the reason for unavailability to calls, when activating the Not Ready key; the code is then recorded by the Management Information System (MIS). Various customer assigned codes for entry provide data to evaluate productivity, schedule work shifts and determine staffing requirements.

Additional Queue Slots - Dedicated time slots used to hold incoming calls in a delayed state until an agent becomes available. One queue slot is required for each call to be held in queue.

Agent Login/Logout - Ensures only assigned agents are able to login to an ACD group. Two options are available to control improper login: 1) partitioning agent login identification numbers into various groups, or 2) requiring an agent login password.

Agent Queue - Places available answering agent positions in a queue determined by a first-in, first-out basis. The position waiting for a call the longest will receive the first incoming call.

Answer Agent – Permits a key to be reserved, at the supervisory position, to be used only for answering calls from agents.

Attendant Console to ACD - Allows operator consoles to be used to answer and to route incoming calls to ACD directory numbers.

Automatic Overflow – Reroutes incoming calls when the maximum number of incoming calls are in queue or the first call in queue has reached the maximum waiting time. The parameters for the maximum number of calls per queue and the maximum waiting time are set by the customer.

Call Agent - Permits a supervisor to directly call an agent without having to dial the agent's secondary directory number.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

Call Forcing – Increases the speed of ACD call handling by automatically presenting incoming calls to the ACD agents; a short burst of tone alerts the agent of the incoming call. Ordinarily the agent presses a release key upon conclusion of a call and then presses an "in-calls" key to receive another call.

Call Transfer with Time - Allows a call that has been answered by an ACD agent and then transferred to another ACD agent group to be queued to the new group's highest priority queue based on the total time of the call (time in queue prior to being answered by the first agent plus the length of "talk time" with first agent.)

Called Name/Number Display - Shows the terminating group name and terminating directory number for calls arriving on the agent's set. This information allows the ACD agent to identify the called ACD group for appropriate call answering and call handling.

Call Source ID – Provides for the display, at the agent's position, of the incoming call facility, e.g. calls from within the same customer's group, the agent's extension number is displayed; calls from other customer groups served by the same ACD node, the calling agent's directory number is displayed.

Call Supervisor - Provides a key for quick access to the supervisor.

Controlled Interflow - Provides the supervisor position the capability to temporarily divert a group's new incoming calls. The calls are diverted to a route defined by the customer.

Directory Number - Incoming local access numbers assigned to the customer Automatic Call Distribution groups.

Distinctive Ring - Enables agents to distinguish ACD calls from non-ACD calls.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

Display Agents Summary - Key activated function enables the supervisor position to display a status summary of all ACD agent positions within a particular ACD group. The summary shows the number of agents:
- busy on ACD and non-ACD calls,
- waiting for calls (idle),
- not ready to receive calls, and
- not available (agent not logged in or Make Set Busy activated).

Display Queue Status - Allows the supervisor position to monitor the efficiency in which incoming calls are being handled. Activation of Display Queue Status shows the following current information for the corresponding ACD directory number:

- number of staffed agent positions,
- number of calls waiting in the incoming call queue,
- number of calls logically queued against group,
- waiting time (in seconds) of the oldest call in queue.

Emergency Alerting - Enables the agent to confer immediately with the supervisor or to automatically connect a customer provided tape recorder to a call.

Emergency Alerting Enhanced - Enhances the Emergency Alerting feature by providing the ACD agent with a single key to simultaneously add a supervisor and a recording device to a call.

Emergency Answer - Permits an answer emergency key lamp, at the supervisory position, to flash when an agent activates an emergency key

Emergency Answer Backup - Provides a method for redirecting emergency key calls to another customer designated position when the supervisor position is unavailable.

Forced Agent Availability - Allows the ACD supervisor to deactivate a Not Ready condition on a specific line. This feature is key activated on an individual agent basis.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

Incoming Call Queue - Allows a customer to prioritized calls based on the number dialed. Calls of a higher priority get answered before calls of a lower priority.

Make Set Busy - Blocks non-ACD calls to the position.

MIS Data Stream Interface - Enables a downstream processor to use a data stream to collect ACD group information, from the ACD node, to produce real-time statistics and historical reports. The ACD/MIS Interface allows the user to perform the following functions:

- login or logoff the ACD/MIS,
- collect information from a pool of ACD groups,
- change the information for a pool of ACD groups,
- request information on the configuration of the data stream,
- request the current time and date,
- start and stop the transfer of call-event information.

This feature also includes the following:

- Remote ACD Load Management - Provides the capability of the supervisory position to reconfigure the structure and operational parameters of an ACD group to maximize the number of calls served or to alleviate overload on a remote supervisory terminal.

- Variable Wrap-Up Time - Allows the ACD supervisory position to vary the interval between call completion and the presentation of a new incoming call on an individual agent position basis or on a group basis.

Multistage-Queue Status Display - Allows the ACD agent to display the length of time calls have been held in the incoming call queue before being answered.

Music on Delay - Connects callers in queue to a customer provided music source while waiting for an available agent.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

Night Treatment - Allows calls arriving after all agents have logged out to be handled by: 1) answering with a recorded announcement advising the caller that the ACD location is closed and then the call is disconnected, or 2) automatically forwarding the call to another ACD location or to a night service number for answering.

Not Ready - When activated the agent position cannot receive any ACD calls allowing the agent to complete follow up transactions or originate outgoing calls on a secondary directory number.

Observe Agent - Allows the supervisor position to monitor agents' calls. Monitoring capability is restricted to agents within a supervisor's group.

Observe Agent Extended - Allows the supervisor position to monitor agents' calls. Extends monitoring capability to entire ACD group.

Overflow Enhancement - Increases the customer's options for answering ACD calls during periods of heavy traffic. Customers may specify up to four ACD groups, within an ACD node, as potential overflow routes. When an incoming call queue for a group is full, this feature sequentially scans each of the other groups and routes the call to the first group able to accept it.

Queue Slots - A queue slot is a dedicated time slot used to hold incoming calls in a delayed state until an agent positions becomes available ie; A customer purchases 10 agent lines, 20 callers can be accommodated, 10 with agents 10 waiting in queue, the 21st caller receives a busy signal.

Ring Threshold - Provides for the rerouting of a call when an agent does not answer within a preprogrammed length of time. The call is then rerouted either to the longest idle agent or to the front of the incoming call queue if no agent is available.

Set Not Ready - When activated, this feature blocks the agent's position from incoming ACD calls; non-ACD incoming calls continue to be presented.

Standard Announcements - Recorded announcements to callers in queue to advise them of answering delays. The announcements are provided from the Telephone Company central office.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

2. DEFINITIONS (Cont'd)

Supergroups - Enables multiple ACD groups, located in single or multiple locations but served by the same ACD node, to distribute calls dynamically among the separate groups based on the current available resources.

Supervisor Control of Night Service - Provides the supervisor position the capability to activate Night Treatment service for one or more agent groups within the same ACD system.

3 Way Calling/Call Transfer to ACD - Allows an agent to transfer calls to another ACD directory number within the same customer group. This feature allows the originator to transfer a call with or without consultation with the called agent or to establish the call to involve all three parties.

Transfer to in-Calls Key - Enables the agent to transfer an incoming ACD call directly to another agent's in-Calls key within the same customer group.

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

3. FEATURE PACKAGES

Customized Multiline Telephone Service ACD is available in the following packages:

Basic Agent Feature Package

- Abandoned Call Clearing
- Agent Login/Logout
- Agent Queue
- Attendant Console to ACD
- Automatic Overflow
- Call Forcing
- Incoming Call Queue (equal to number of agents)
- Music on Delay
- Night Treatment
- Not Ready
- Overflow Enhancement
- Ring Threshold
- Standard Announcements
- 3 Way Calling/Call Transfer to ACD

Advanced Agent Feature Package

- ACD Overflow of Enqueued Calls
- ACD Multiple Line of Business Codes
- Call Transfer with Time
- Emergency Alerting
- Emergency Alerting Enhanced
- Transfer to in-Calls Key
- Available with Display Sets
  - ACD Walkaway/Closed
  - Called Name/Number Display
  - Call Source ID
  - Call Supervisor
  - Multistage-Queue Status Display

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

3. FEATURE PACKAGES (Cont'd)

ACD on Single-Line Telephone Sets

- Abandoned Call Clearing
- Automatic Overflow
- Distinctive Ring
- Incoming Call Queue (equal to number of agents)
- Login/Logout
- Make Set Busy
- Music on Delay
- Night Treatment
- Observe Agent from 2500 Set
- Overflow Enhancement
- Ring Threshold
- Set Not Ready
- Standard Announcements
- 3 Way Calling/Call Transfer to ACD

Supervisor Feature Package

- Answer Agent
- Call Agent
- Controlled Interflow
- Emergency Answer
- Emergency Answer Backup
- Forced Agent Availability
- Observe Agent
- Supervisor Control of Night Service
- 3 Way Calling/Call Transfer to ACD
- Available with Display Sets
- Called Name/Number Display
- Call Source ID
- Display Agents Summary
- Display Queue Status

Optional Features

- ACD Secondary Directory Number(s)
- MIS Data Stream Interface, which includes:
  - Remote ACD Load Management
  - Variable Wrap-Up Time
  - Additional Queue Slots (for queue slots greater than the number of access positions)
  - Supergroups

CUSTOMIZED MULTILINE TELEPHONE SERVICE/DIGITIAL (ISDN) CUSTOMIZED MULTILINE TELEPHONE SERVICE

G. AUTOMATIC CALL DISTRIBUTION SERVICE (Cont'd)

4. RATES AND CHARGES

	Nonrecurring Charge [1]	Monthly Rate
Basic Agent Feature Package		
per ACD group	$55.00	
per ACD line		$24.00
Advanced Agent Feature Package		
per ACD group	$25.00	
per ACD line		$5.00
ACD on Single-Line Sets		
per ACD line	$10.00	$22.50
Supervisor Feature Package		
per ACD line	$50.00	$26.00
OPTIONAL FEATURES		
Secondary Directory Number	-0-	$2.00
MIS Data Stream Interface		
per interface	$100.00	$100.00
Additional Queue Slots		
per system	$25.00	
per slot		$2.50
Supergroups	$50.00	$25.00

[1] Does not include appropriate Service Charges.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

1. GENERAL

.1 Message Toll Telephone Service is the furnishing of facilities in accordance with the regulations and system of charges specified in this Section.

.2 The rates and regulations set forth in this Section apply to IntraMSA Message Toll Telephone Service offered to Frontier North Incorporated subscribers in exchanges equipped with equal access capability. Message Telephone Service is furnished between two or more points within a given Market Service Area (MSA) where the respective rate centers of such points are also located within the MSA within the State of Illinois.

.3 This service is furnished subject to the condition that there will be no abuse or fraudulent use of the service. Abuse or fraudulent use of service includes:

.3.1 The use of service or facilities of the Company to transmit a message or to locate a person or otherwise to give or obtain information, without payment of the charge applicable for service.

.3.2 The obtaining, or attempting to obtain, or assisting another to obtain or to attempt to obtain, message toll telephone service, by rearranging, tampering with, or making connection with any facilities of the Company, or by any trick, scheme, false representation, or false credit device, or by or through any other fraudulent means or device whatsoever, with intent to avoid the payment, in whole or in part, of the regular charge for such service.

.3.3 The use of service or facilities of the Company for a call or calls, anonymous or otherwise, if in a manner reasonably to be expected to frighten, abuse, torment, or harass another.

.3.4 The use of profane or obscene language.

.3.5 The use of the service in such manner as to interfere unreasonably with the use of the service by one or more other customers.

.4 Resale and Sharing of IntraMSA Message Toll Telephone Service is permitted under Resale of Service conditions set forth in this Catalog.

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE

.1 Calls Between Wire Telephones

.1.1 General

a. Two-Point Message Toll Telephone Service between local exchange carriers' wire telephones within a given MSA within the State of Illinois is furnished as set forth in .1.2 through .3 following.

.1.2 Airline Distance

a. Rates for service between points in Illinois are based on the airline distance between rate centers.

b. In general, each point is designated as an exchange rate center except that certain small towns or communities are assigned adjacent rate centers with which they are closely associated for communication purposes by community of interest.

c. Airline mileages between rate centers are determined as provided in 4.2 following.

d. Rates applicable for the distance obtained in c. above are provided in 2.3 following.

.1.3 Classes of Service

a. Station-to-Station service is that service where the person originating the call dials the telephone number desired or gives to the Company operator the telephone number of the desired telephone, Miscellaneous Common Carrier (MCC) connecting circuit, branch exchange system, or branch exchange station which is reached directly rather than through a branch exchange attendant, or gives only the name and address under which the number of the desired telephone, MCC connecting circuit or branch exchange system is listed, and does not specify a particular person to be reached, nor a particular mobile station to be reached through an MCC attendant, nor a particular station, department or office to be reached through a branch exchange attendant.

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.3 Classes of Service (Cont'd)

a. (Cont'd)

Two classes of Station-to-Station service are offered as follows:

a.1 Dial Station-to-Station is that Station-to-Station service where the person originating the call from other than a public or semipublic coin telephone dials the telephone number desired and the call is completed without the assistance of a Company operator or placed with an operator where facilities are not available for dial completion or where, for other service reasons, operator assistance in completion of the call is necessary.

a.2 Operator Assisted Station-to-Station is that Station-to-Station service originating at a public or semipublic coin telephone and paid for by coin deposit in such originating telephone or that Station-to-Station other than Dial Paid Station-to-Station service.

b. Operator Assisted Person-to-Person service is that person-to-person service where the person originating the call specifies to the Company operator a particular person to be reached, a particular mobile station to be reached through an MCC attendant, or a particular station, department or office to be reached through a branch exchange attendant.

b.1 When, after the telephone, MCC mobile radio system, or branch exchange system called has been reached, and while the connection remains established, the person originating the call requests or agrees to talk to any person other than the person specified, or to any other person or mobile unit to be reached through an MCC attendant, or to any other station, department or office to be reached through a branch exchange attendant, the classification of the call remains person-to-person.

b.2 When the person originating the call wishes arrangements made in advance with a particular party or station for the establishment of a connection at a specified time (appointment call) the call is classified as person-to-person.

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.4 Initial Period, Additional Minutes and Discounts

Message Service rates are quoted in terms of initial periods and additional minutes.

a. Initial period rates given in 2.3 following are for connections of one minute or any fraction thereof.

b. All additional minute rates given in 2.3 following are for each additional minute or any fraction thereof that the connection continues beyond the initial period.

c. Discounts for Peak/Off Peak rate periods given in 2.3 following are expressed as a percent reduction of the charge calculated at the rates given in 2.3 following. They are applied to that portion of the messages occurring within the rate discount periods shown. The discount is applied to the sum of the initial period and additional minute charges for the call. The discount is computed separately for charges in each rate period and the results are then totaled. When the application of the discount results in a fractional charge, the amount will be rounded down to the lower cent. Discounts are not applicable to Operator-Assisted Call charges shown in 2.1.8 following.

.1.5 Timing of Messages

a. The time when the connection is established, as provided in b. through e. following, determined in accordance with the time system (standard or daylight saving) observed at the location of the rate center of the calling station, determines the charges for the call. This rule applies whether the call is sent paid or collect. The charge for the initial period is the initial period rate applicable for the rate period in which the connection is established. The charges for each additional minute of usage is the additional minute rate for the rate period in which the beginning of each additional minute occurs.

b. On station-to-station calls, chargeable time begins when the connection is established between the calling station and the called station, MCC mobile radio system or branch exchange system.

c. On person-to-person calls, chargeable time begins when the connection is established between the calling person and the particular person or station specified or an agreed alternate.

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.5 Timing of Messages (Cont'd)

d. Chargeable time ends when the calling station "hangs up" thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released either by automatic timing equipment in the telecommunications network or a company operator.

e. Chargeable time does not include time lost because of faults or defects in the service.

f. Adjustments, when appropriate, are applied by reducing the overall chargeable time for the message by adjusting the time at which the message was terminated.

.1.6 Billing or Collection of Charges

a. Charges for all classes of calls are generally billed to or collected from the calling station. On request, charges on calls may be:

a.1 Billed to or collected from the called station (i.e., charges may be reversed) if the charges are accepted at the called station. In the case of a public or semipublic coin telephone, charges on calls may not be billed to or collected from the called station. Charges must be billed to a calling card or third telephone number, or the call may be re-originated from the called station.

a.2 Billed to a calling card account.

a.3 Billed to a third telephone number (i.e., billed to a telephone number other than the calling or called number).

b. The charge for a call collected from a coin telephone is figured to the nearest 5¢. (D)
(D)

c. Message Toll Telephone Service charges for station-to-station messages will be billed to the called telephone in the case where the called customer subscribes to a reversed charge service provided by a local exchange carrier. (T)

d. The Company may issue a special bill for Message Toll Telephone Service at any time. (T)

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.7 Rates Applicable on Certain Holidays

On Christmas Day (December 25), New Year's Day (January 1), Independence Day (July 4), Labor Day and Thanksgiving Day the holiday rate applicable is the Off-Peak rate, unless a lower rate would normally apply.

.1.8 Rate and Charge Applications

a. Operator Assisted Call Charges

a.1 The charge for an operator-assisted call, as shown in a.2 and a.3 following, applies in addition to the Dial Station-to-Station rate for the call as specified in .3 following. When a call is subject to more than one service charge, only the highest service charge applies.

a.2 Station-to-Station Calls

(1) For calls charged to a Company or other local exchange carrier's calling card and involving no other operator services, a charge of * applies to a call where automatic recording equipment for operator-assisted calls is available. When no automatic recording equipment for operator-assisted calls is available, the * rate also applies to a calling card call. If the customer requests the operator to dial the telephone number where automatic recording equipment is available, a charge of * applies to a calling card call. (C) (C) (C)

(2) For operator assisted calls from telephones other than public coin telephones that are billed to the originating telephone, or for calls billed to the called station (collect calls) a charge per call applies.

(3) For calls from public coin telephones and paid for by a coin deposit in such originating telephone, a charge per call applies.

(4) For calls billed to a third telephone number (i.e., billed to a telephone number other than the calling or called number), a charge per call applies.

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/. (N)

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.8 Rate and Charge Applications (Cont'd)

a. Operator Assisted Call Charges (Cont'd)

a.3 Person-to-Person calls - a charge per call applies.

(D)

(D)

b. Rates Applicable for Hearing or Speech-Impaired Persons

b.1 Persons certified in writing by a licensed physician, audiologist, speech pathologist, or appropriate Federal or State agency or its designee as having a hearing or speech impairment which precludes oral communications and who have and use a telecommunications device for visual communications, will receive a Peak/Off-Peak adjustment on Directly Dialed Station-to-Station calls which do not require the intervention of an operator. The adjustment is applied to the Peak/Off-Peak rates shown in 2.3 following and in accordance with the following:

(1) Messages placed during the Peak rate period will be charged at a 25% reduction from the Peak rate.

(2) Messages placed during the Off-Peak rate period will be charged at a 40% reduction from the Peak rate.

* Services are provided by WiMacTel. Applicable rates can be found at https://www.wimactel.com/tariffs/

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.8 Rate and Charge Applications (Cont'd)

b. Rates Applicable for Hearing or Speech-Impaired Persons

b.2 The written certification of the speech or hearing impairment must be presented to the Company's Business Office/Phone Mart which serves the residence of the certified person.

The Company's Business Office/Phone Mart, upon request, will provide a certification form for use by the applicant.

b.3 The adjustment is provided for use by the speech or hearing-impaired customer. It is only applicable to Message Toll Telephone Service charges for calls originated from and billed to the telephone exchange service of the residence of the certified hearing or speech impaired person. The adjustment is applicable to only one telephone exchange service for a person or at a residence.

.1.9 Limitations

a. The Company reserves the right to limit the duration of connections when necessary because of a shortage of facilities caused by emergency conditions.

b. Service is furnished subject to the condition it will not be used for unlawful purposes.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.1 Calls Between Wire Telephones (Cont'd)

.1.10 Liability

a. The Company's failure to provide Message Toll Telephone Service under this Catalog shall be excused by labor difficulties, governmental order, civil commotions, acts of God and other circumstances beyond the Company's control.

b. The Company's liability, if any, for its willful misconduct is not limited by this Catalog. With respect to any other claim or suit, by a customer or by any others, for damages associated with any aspect of the provision of service (including the failure to reach a called station), the Company's liability, if any, shall not exceed an amount equal to the initial minute charge applicable for such call to the called station. This liability shall be in addition to any billing adjustment. However, any such mistakes, omissions, interruptions, delays, errors, or defects in transmission of service which are caused or contributed to by the negligence or willful act of the customer or authorized user, or which arise from the use of customer-provided facilities or equipment shall not result in the imposition of any liability whatsoever upon the Company.

c. The customer indemnifies and saves the Company harmless against claims for libel, slander, or infringement of copyright from the material transmitted over its facilities; against claims for infringement of patents arising from combining with, or using in connection with, facilities of the Company, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Company.

.2 Rate Components

.2.1 Initial Period Charge

.2.2 Additional Minute Charge

.2.3 Discount (if applicable)

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.3 Classes of Service and Rates

.3.1 Dial Station-to-Station - ALL MARKET SERVICE AREAS

a. Initial Period and Additional Minute Rates - Business

Distance Band	Initial Minute Rates Peak	Off-Peak
1 - 10	$0.18	$0.18
11 - 16	$0.18	$0.18
17 - 40	$0.18	$0.18
41 - and over	$0.18	$0.18

Distance Band	Additional Minute Rates Peak	Off-Peak
1 - 10	$0.18	$0.18
11 - 16	$0.18	$0.18
17 - 40	$0.18	$0.18
41 - and over	$0.18	$0.18

b. Initial Period and Additional Minute Rates - Residence

Distance Band	Initial Minute Rates Peak	Off-Peak
1 - 10	$0.17	$0.12
11 - 16	$0.17	$0.12
17 - 40	$0.17	$0.12
41 - and over	$0.17	$0.12

Distance Band	Additional Minute Rates Peak	Off-Peak
1 - 10	$0.17	$0.12
11 - 16	$0.17	$0.12
17 - 40	$0.17	$0.12
41 - and over	$0.17	$0.12

Note: For application of initial periods and additional minutes, refer to 2.1.4 preceding.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.3 Classes of Service and Rates (Cont'd)

.3.1 Dial Station-to-Station - ALL MARKET SERVICE AREAS (Cont'd)

c. Rate Periods

1. Peak rates apply from 7:00 a.m. to and including 6:59 p.m., Monday through Friday. Off-Peak rates apply during all other time periods, including Saturdays, Sundays and the holidays listed in this catalog.

.3.2 Operator Assisted Station-to-Station - ALL MARKET SERVICE AREAS

a. Initial Period and Additional Minute Rates - Business

Applicable rates are set forth in Paragraph 2.3.1 a. preceding.

b. Initial Period and Additional Minute Rates - Residence

Applicable rates are set forth in Paragraph 2.3.1 b. preceding.

c. Rate Periods

1. Peak rates apply from 7:00 a.m. to and including 6:59 p.m., Monday through Friday. Off-Peak rates apply during all other time periods, including Saturdays, Sundays and the holidays listed in this catalog.

Note: For application of initial periods and additional minutes, refer to 2.1.4 preceding.

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.4 Calls Involving Mobile Telephone Exchange Service

.4.1 General

a. Message Toll Telephone Service involving mobile telephones is furnished through land radiotelephone base stations listed in 2.4.3 following, between a mobile unit and a wire telephone located outside the mobile service area associated with such base station or between two mobile units served through base stations having different rate centers.

b. Airline mileages between rate centers are determined as provided in 4.2 following. The rate centers for the base stations and the V and H coordinates are the same as shown for the corresponding exchange rate centers in 2.4.3 following.

c. For service between a wire telephone and a mobile unit served through a base station listed in 2.4.3 following, mileage is measured between the rate center of the wire telephone and the rate center of the base station serving the mobile unit.

d. For service between two mobile units, each served by a different base station listed in 2.4.3 following, mileage is measured between the rate centers of the base stations.

e. Billable time of mobile messages is based on recorded air time. Recorded air time for mobile messages begins when the mobile unit goes off-hook and receives dial tone. Recorded air time ends when the mobile unit goes on-hook, releasing the channel.

.4.2 Rates and Charges

a. Rates applicable for the distances obtained in 2.4.1b, above are as provided for two-point service between wire telephones in 2.3 preceding except that the operator rate applies to all station-to-station calls completed through an operator.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

2. TWO-POINT SERVICE (Cont'd)

.4 Calls Involving Mobile Telephone Exchange Service (Cont'd)

.4.3 Land Radiotelephone Base Stations

Aurora	Chicago	Golden	Mazon	Rockford
Bloomington [1]	Colchester	Harrisburg [1]	Mendon	Rock Island
Brownstown	Danville	Jacksonville [1]	Mt. Vernon	Rossville [1]
Cairo	Decatur	Joliet	Olney [1]	Savanna
Canton	De Kalb [1]	Kankakee	Pana	Springfield
Carbondale [1]	Dixon	Kewanee [1]	Pekin	Sterling
Carthage	Effingham	Lincoln [1]	Peoria	Streator [1]
Casey	Elgin	Litchfield	Pontiac [1]	Utica
Centralia	Freeport [1]	Louisville	Princeton [1]	Waterloo
Champaign-Urbana	Galesburg	Mattoon	Quincy	Watseka
				Waukegan

[1] Indicates Land Radiotelephone Base Stations of Frontier North Inc.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

3. Mileage Measurements

.1 For the purpose of determining airline mileages a Vertical (V) and Horizontal (H) coordinate system is used. The V-H system consists of a series of coordinates which represent a theoretical grid of vertical and horizontal lines covering the State of Illinois. The spacing between these lines is about 1,670 feet and an intersection of any two grid lines represents the center of an area approximately one tenth of a square mile designated by two coordinates.

A vertical (V) and a horizontal (H) coordinate is computed for each rate center in Illinois from its latitude and longitude location by use of appropriate map-projection equations. These coordinates (shown in .3 following) permit calculation of the distance between any two rate centers as explained in .2 following.

.2 Determination of Airline Mileages

To determine the rate distance between any two rate centers proceed as follows:

a. Obtain the "V" and "H" coordinates for each rate center.

b. Obtain the difference between the "V" coordinates of the two rate centers. Obtain the difference between the "H" coordinates.

NOTE: The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.

c. Divide each of the differences obtained in b. by three, rounding each quotient to the nearest integer.

d. Square these two integers and add the two squares.

If the sum of the squares is greater than 1777, divide the integers obtained in c. by three and repeat step d. Repeat this process until the sum of the squares obtained in d. is less than 1778.

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MESSAGE TOLL TELEPHONE SERVICE

3. Mileage Measurements (Cont'd)

.2 Determination of Airline Mileages (Cont'd)

e. The number of successive divisions by three in steps c. and d. determines the value of "N". Multiply the final sum of the two squares obtained in step d. by the multiplier specified in the following table for this value of "N" preceding.

N	Minimum Multiplier	Rate Mileage
1	0.9	-
2	8.1	41
3	72.9	121
4	656.1	361

f. Obtain square root of product in e. and, with any resulting fraction, round up to next higher integer. This is the message rate mileage except that when the mileage so obtained is less than the minimum rate mileage shown in e. preceding, the minimum rate mileage corresponding to the "N" value is applicable.

MESSAGE TOLL TELEPHONE SERVICE

3. Mileage Measurements (Cont'd)

.2 Determination of Airline Mileages (Cont'd)

g. Example: - The message rate distance is required between Bloomington and Streator

		V	H
g.1	Bloomington	6358	3483
	Streator	6222	3522
g.2	Difference	136	39

g.3 Dividing each difference by three and rounding to nearer integer = 45 and 13

g.4 Squaring integers and adding.

45 X 45 = 2025
13 X 13 = 169
Sum of squared integers 2194

Sum of squared integers is greater than 1,777, so divide integers in step 3 preceding by three and repeat step 4.

g.5 Dividing integers in step 3 preceding by three and rounding = 15 and 4

g.6 Squaring integers and adding.

15 X 15 = 225
4 X 4 = 16
241

This sum of squared integers is less than 1,778 and was obtained after two successive divisions by three; therefore, "N" = 2 (From table shown in step e. above).

g.7 Multiply final sum of squared integers by factor 8.1
(corresponding to "N" = 2)

241
8.1
1952.1

g.8 Square root of 1952.1 = 44 and a fraction, which is rounded up to 45 miles (fractional miles being considered full miles). The 45 miles is larger than the minimum of 41 rate miles applicable when "N" = 2 so the message rate mileage is 45 miles.

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

.3 V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Abingdon	17	6399	3722	Arenzville	10	6578	3629
Adair	17	6480	3699	Argenta	9	6440	3408
Addieville	15	6799	3351	Arlington	1	5973	3497
Albany	3	6196	3791	Heights			
Albers	15	6779	3385	Armstrong	7	6306	3301
				Arrowsmith	5	6337	3427
Albion	11	6690	3132				
Aledo	3	6348	3812	Arthur	8	6465	3329
Alexander	10	6583	3564	Ashkum	1	6203	3370
Alexis	3	6361	3770	Ashland	9	6549	3576
Algonquin	1	5981	3549	Ashley	15	6789	3300
Alhambra	15	6721	3437	Ashmore	8	6466	3244
Allendale	11	6634	3095	Ashton	4	6108	3653
Alpha	3	6323	3756	Assumption	8	6547	3395
Altamont	15	6614	3306	Astoria	17	6508	3661
Alton	15	6755	3506	Athens	9	6513	3541
				Atkinson	3	6252	3725
Altona	17	6323	3717				
Alvin	7	6285	3261	Atlanta	5	6419	3497
Amboy	4	6145	3655	Atwood	8	6448	3335
Andover	3	6297	3753	Auburn	9	6586	3508
Anna	12	6960	3224	Augusta	10	6550	3749
				Aurora	1	6062	3511
Annapolis	11	6523	3173				
Annawan	3	6250	3707	Ava	12	6896	3304
Antioch	1	5907	3553	Aviston	15	6765	3391
Apple River	2	6050	3842	Avon	17	6429	3714
Arcola	8	6458	3301				

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

.3 V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Baldwin	12	6866	3386	Benld	8	6686	3468
Bardolph	17	6472	3718	Bensenville	1	5995	3477
Barrington	1	5972	3525	Benson	6	6296	3538
Barry	10	6663	3713	Benton	12	6829	3226
Bartelso	15	6769	3362	Berwyn	1	6004	3445
Bartlett	1	6007	3517	Bethalto	15	6742	3486
Basco	17	6550	3796	Bethany	9	6500	3362
Batavia	1	6042	3520	Bible Grove	11	6626	3240
Batchtown	15	6763	3592	Biggsville	17	6424	3796
Bath	6	6499	3625	Big Rock	1	6077	3545
Baylis	10	6646	3696	Birds	11	6571	3120
Beardstown	10	6555	3652	Bishop Hill	17	6302	3719
Beason	5	6438	3480	Bismarck	7	6294	3257
Beaverville	1	6165	3335	Blair	12	6885	3357
Beckemeyer	15	6753	3365	Blairsville (Hamilton Co.)	11	6762	3172
Beecher	1	6090	3370				
Beecher City	15	6591	3323				
Belle Prairie	11	6759	3192	Blandinsville	17	6482	3768
Belle Rive	11	6772	3222	Bloomington	5	6358	3483
Belleville	15	6812	3438	Blue Island	1	6033	3409
				Blue Mound	9	6518	3425
Bellflower	5	6350	3400	Bluffs	10	6614	3642
Bellmont (Wabash Co.)	11	6677	3111				
Bellwood	1	6003	3459				
Belvidere	2	6005	3637				
Bement	7	6432	3365				

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Bluford	15	6754	3232	Cabery	5	6199	3418
Bondville	7	6382	3353	Cairo	12	7041	3169
Bowen	17	6559	3767	Calhoun	11	6636	3159
Bradford	6	6273	3650	Calumet City	1	6029	3384
Braidwood	1	6149	3447	Cambridge	3	6287	3740
Breese	15	6759	3379	Cameron	17	6392	3748
Bridgeport	11	6602	3121	Camp Grove	6	6291	3636
Brighton	15	6723	3514	Camp Point	10	6596	3750
Brimfield	6	6356	3649	Campus	5	6202	3436
Broadlands	7	6391	3278	Canton	6	6420	3644
Brocton	14	6424	3250	Cantrall	9	6515	3531
Brookfield	1	6014	3450	Capron	2	5970	3637
Brookport	12	6976	3096	Carbondale	12	6906	3246
Broughton	11	6807	3150	Carlinville	8	6657	3498
Browns	11	6684	3120	Carlock	5	6350	3513
Brownstown	15	6641	3329				
Brussels	15	6774	3574				
Buckley	7	6263	3354				
Buda	6	6247	3667				
Buffalo	9	6511	3482				
Bunker Hill	15	6708	3485				
Bureau	6	6230	3617				
Burnt Prairie	11	6731	3151				
Burton	10	6637	3764				
Bushnell	17	6456	3715				
Byron	2	6060	3685				

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Carlyle	15	6747	3355	Chillicothe	6	6311	3599
Carmi	11	6753	3121	Chrisman	14	6386	3219
Carrier Mills	12	6867	3151	Christopher	12	6846	3245
Carrollton	10	6692	3579	Cicero	1	6002	3439
Carterville	12	6888	3228	Cisco	9	6428	3397
Carthage	17	6529	3795	Cisne	11	6693	3203
Cary	1	5969	3547	Cissna Park	1	6258	3330
Casey	8	6508	3216	Claremont	11	6617	3154
Castleton	6	6288	3651	Clarksville	14	6464	3201
Catlin	7	6339	3251	Clay City	11	6654	3209
Cave In Rock	12	6873	3058	Clayton	10	6590	3732
Cedar Point	1	6218	3580	Clifton	1	6190	3372
Cedarville	2	6040	3762	Clinton	5	6417	3445
Centralia	15	6744	3311	Coal City	1	6150	3459
Cerro Gordo	9	6453	3386	Coatsburg	10	6604	3762
Chadwick	4	6128	3765	Cobden	12	6946	3232
Chambersburg	10	6611	3667	Coffeen	8	6657	3406
Champaign-Urbana	7	6371	3336	Colchester	17	6502	3745
Chandlerville	9	6527	3613	Coleta	4	6143	3741
Chapin	10	6604	3622	Colfax	5	6314	3437
Charleston	8	6485	3262	Collinsville	15	6781	3455
Chatham	9	6567	3509	Collison	7	6316	3282
Chatsworth	5	6253	3408	Columbia	15	6844	3467
Chauncey	11	6587	3150	Columbus	10	6612	3757
Chebanse	1	6175	3376	Colusa	17	6502	3815
Cheneyville	7	6253	3274	Compton	6	6131	3617
Chenoa	5	6288	3469	Concord	10	6589	3624
Cherry Valley	2	6017	3651	Congerville	6	6348	3527
Chester	12	6917	3358	Cooksville	5	6326	3449
Chesterfield	15	6676	3523	Cordova	3	6224	3795
Chestnut	9	6454	3469	Cornell	5	6240	3495
Chicago	1	5986	3426	Coulterville	12	6847	3349
Chicago Heights	1	6058	3387				

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Cowden	8	6586	3341	Donnellson	8	6675	3411
Creal Springs	12	6897	3176	Donovan	1	6176	3321
Crescent City	1	6216	3345	Dorchester	15	6695	3479
Creston	4	6077	3623	Dover	6	6204	3636
Crete	1	6071	3381	Dow	15	6741	3538
Crisp	11	6721	3320	Downers Grove	1	6031	3469
Cropsey	5	6294	3420	Downs	5	6351	3456
Crossville	11	6732	3113	DuBois	15	6810	3294
Crystal Lake	1	5969	3561	Dundas	11	6605	3182
Cuba	6	6444	3662	Dundee	1	5993	3540
Cullom	5	6227	3416	Dunlap	6	6335	3621
Cypress	12	6960	3179	Dupo	15	6830	3475
Dahlgren	11	6774	3209	Du Quoin	12	6852	3276
Dakota	2	6030	3748	Durand	2	6006	3725
Dale	11	6798	3161	Dwight	1	6196	3460
Dallas City	17	6488	3821	Earlville	1	6139	3584
Dalton City	9	6492	3378	East Dubuque	3	6089	3920
Danforth	1	6215	3368	East Lynn	7	6270	3306
Danvers	5	6364	3514	East Moline	3	6265	3797
Danville	7	6322	3245	Easton	6	6470	3587
Davis	2	6015	3736	East St. Louis	15	6805	3477
Decatur	9	6478	3413	Eddyville	12	6900	3126
Deer Creek	6	6355	3547	Edelstein	6	6317	3623
Deerfield	1	5947	3486	Edgemont	15	6804	3460
De Kalb	4	6061	3591	Edgewood	15	6634	3279
De Land	9	6401	3396	Edgington	3	6313	3832
Delavan	6	6421	3553	Edinburg	8	6546	3460
Depue	1	6219	3613	Edwardsville	15	6753	3464
De Soto	12	6890	3256	Effingham	8	6586	3281
Des Plaines	1	5976	3479	Elburn	1	6047	3548
Dieterich	8	6585	3249	Eldorado	12	6827	3136
Divernon	9	6585	3491	Eldred	10	6706	3601
Dix	15	6747	3273	Elgin	1	6005	3535
Dixon	4	6133	3691	Eliza	3	6345	3853
Dongola	12	6973	3201	Elizabeth	2	6094	3842

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Elizabethtown	12	6888	3078	Fayetteville	15	6824	3397
Elk Grove	1	5985	3491	Ferris	17	6521	3806
Elkhart	5	6484	3510	Fiatt	6	6431	3666
Elkville	12	6872	3267	Fieldon	15	6737	3576
Elliott	7	6306	3375	Fillmore	8	6643	3390
Elliottstown	8	6605	3252	Findlay	8	6525	3352
Ellis Grove	12	6905	3379	Fisher	7	6342	3371
Ellisville	6	6427	3691	Fishhook	10	6630	3700
Ellsworth	5	6344	3439	Fithian	7	6343	3281
Elmhurst	1	6006	3472	Flanagan	5	6272	3501
Elmira	6	6286	3676	Flat Rock	11	6559	3127
Elmwood	6	6374	3655	Flatville	7	6333	3321
El Paso	5	6311	3512	Flora	11	6668	3226
Elvaston	17	6541	3810	Foosland	7	6339	3387
Elwin	9	6492	3411	Forest	1	6000	3451
Elwood	1	6114	3446	(Cook Co.)			
Emden	5	6431	3537	Forest City	6	6442	3595
Emington	5	6216	3439	Forrest	5	6263	3425
Enfield	11	6765	3147	(Livingston Co.)			
Equality	12	6836	3111	Forreston	2	6084	3730
Erie	3	6210	3757	Fountain Green	17	6505	3776
Eureka	6	6332	3547	Fowler	10	6617	3776
Evanston	1	5959	3450	Fox Lake	1	5929	3557
Evansville	12	6891	3391	Frankfort	1	6076	3417
Ewing	12	6807	3225	Franklin	10	6604	3555
Fairbury	5	6271	3439	Franklin Grove	4	6118	3662
Fairfield	11	6714	3179	Franklin Park	1	5994	3465
Fairmount	7	6353	3268	Freeburg	15	6825	3419
Fairview	6	6415	3671	Freeport	2	6055	3753
(Fulton Co.)				Fulton	4	6175	3790
Farina	15	6658	3286	Galena	3	6089	3882
Farmer City	5	6377	3408	Galesburg	17	6369	3732
Farmersville	8	6608	3478	Galva	6	6303	3704
Farmington	6	6391	3654	Garden Prairie	2	5997	3620
				Gardner	1	6171	3452

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Gays	8	6517	3306	Grantfork	15	6727	3422
Geff	11	6705	3192	Grant Park	1	6109	3362
Geneseo	3	6255	3749	Granville	1	6226	3595
Geneva	1	6036	3524	Graymont	5	6266	3490
Genoa	4	6024	3600	Grays Lake	1	5928	3530
Georgetown	7	6350	3232	Grayville	11	6707	3112
Germantown	15	6771	3376	Greenfield	10	6670	3554
Germantown Hills	6	6340	3583	Green River	3	6263	3775
German Valley	2	6059	3724	Greenup	8	6530	3236
Gibson City	7	6314	3389	Green Valley	6	6421	3572
Gifford	7	6318	3321	Greenview	9	6491	3555
Gila	8	6566	3236	Greenville	15	6697	3388
Gillespie	8	6681	3473	Gridley	5	6299	3492
Gilman	1	6227	3364	Griggsville	10	6636	3666
Gilson	17	6374	3698	Groveland	6	6377	3574
Girard	9	6617	3498	Gulfport	17	6448	3825
Glasford	6	6401	3613	Half Day	1	5950	3504
Glen Carbon	15	6767	3461	Hamburg	15	6730	3620
Glencoe	1	5947	3470	Hamel	15	6730	3454
Glen Ellyn	1	6020	3487	Hamilton	17	6548	3824
Glenn	12	6920	3307	Hammond	9	6459	3354
Glenview	1	5963	3470	Hampshire	1	6012	3576
Golconda	12	6918	3098	Hampton	3	6253	3793
Golden	10	6580	3748	Hanna City	6	6377	3622
Goodfield	6	6350	3540	Hanover	2	6110	3845
Good Hope	17	6468	3740	Hardin	15	6737	3599
Goreville	12	6920	3190	Harding	1	6149	3564
Grafton	15	6758	3552	Hardinville	11	6570	3154
Grand Detour	4	6116	3685	Harmon	4	6161	3687
Grand Ridge	5	6201	3533	Harmony (Jefferson Co.)	15	6741	3247
Grand Tower	12	6946	3279				
Grandview	14	6451	3219	Harrisburg	12	6851	3142
Granite City	15	6789	3483				

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D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Harristown	9	6485	3434	Humboldt	8	6475	3295
Hartsburg	5	6436	3526	Huntley	1	5991	3569
Harvard	1	5956	3620	Hurst	12	6880	3245
Harvey	1	6038	3400	Hutsonville	11	6518	3147
Havana	6	6473	3623	Illinois City	3	6321	3853
Hebron	1	5934	3600	Illiopolis	9	6498	3457
Hecker	15	6854	3422	Ina	15	6800	3239
Hennepin	6	6236	3610	Indianola	7	6368	3242
Henning	7	6292	3274	Industry	17	6507	3708
Henry	6	6263	3599	Ipava	6	6481	3668
Herrick	15	6600	3356	Irving	8	6636	3418
Herrin	12	6877	3224	Irvington	15	6764	3307
Herscher	1	6181	3408	Itasca	1	5998	3490
Hersman	10	6591	3693	Iuka	15	6701	3267
Hettick	15	6654	3529	Ivesdale	7	6421	3350
Heyworth	5	6388	3464	Jacksonville	10	6595	3593
Hicks	12	6875	3098	Jerseyville	15	6721	3550
Highland	15	6745	3415	Johnston City	12	6865	3209
Highland Park	1	5940	3480	Joliet	1	6088	3454
Hillsboro	8	6651	3427	Joppa	12	6978	3137
Hillsdale	3	6226	3767	Joy	3	6358	3831
Hillview	10	6673	3614	Kampsville	15	6708	3610
Hinckley	4	6084	3559	Kaneville	1	6062	3549
Hinsdale	1	6023	3461	Kankakee	1	6149	3381
Hoffman	15	6753	3332	Kansas	8	6455	3234
Homer	7	6364	3286	Karnak	12	6971	3165
Homewood	1	6050	3397	Kaskaskia	15	6923	3372
Hoopeston	7	6259	3287	Keithsburg	3	6381	3830
Hooppole	4	6225	3720	Kell	15	6735	3273
Hopedale	6	6401	3539	Kempton	5	6213	3416
Hoyleton	15	6772	3323	Kenney	5	6348	3459
Hudson	5	6333	3495	Kewanee	6	6281	3694
Hull	10	6673	3739	Keyesport	15	6715	3354

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D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Kilbourne	6	6497	3602	Libertyville	1	5933	3512
Kincaid	8	6562	3458	Lima	10	6593	3809
Kinmundy	15	6676	3292	Lincoln	5	6450	3505
Kinsman	1	6190	3492	Lisbon	1	6127	3508
Kirkland	4	6037	3621	Litchfield	8	6659	3453
Kirksville	8	6509	3344	Literberry	10	6570	3601
Kirkwood	17	6413	3781	Littleton	17	6527	3700
Knoxville	17	6371	3715	Little York	3	6385	3794
Lacon	6	6285	3597	Livingston	15	6708	3450
Ladd	6	6202	3605	Loami	9	6578	3530
La Fayette	17	6310	3689	Lockport	1	6074	3456
La Grange	1	6017	3453	Loda	7	6281	3351
La Harpe	17	6484	3786	Lomax	17	6473	3811
Lake Forest	1	5930	3493	Lombard	1	6015	3481
Lake Villa	1	5917	3544	London Mills	17	6408	3694
Lake Zurich	1	5961	3524	Long Point	5	6249	3520
La Moille	6	6177	3629	Loraine	10	6585	3783
Lanark	4	6107	3765	Lostant	5	6236	3558
Lansing	1	6040	3381	Louisville	11	6649	3240
La Place	9	6468	3373	Lovington	9	6478	3353
La Rose	6	6280	3569	Low Point	6	6307	3569
La Salle	1	6202	3582	Ludlow	7	6311	3346
Latham	9	6469	3457	Lyndon	4	6189	3741
Lawrenceville	11	6593	3111	Macedonia	11	6803	3198
Leaf River	4	6072	3705	Mackinaw	6	6375	3541
Leamington	12	6851	3096	Macomb	17	6487	3729
Lebanon	15	6781	3422	Macon	9	6507	3407
Leland	1	6125	3568	Magnolia	5	6251	3575
Lemont	1	6054	3455	Mahomet	7	6369	3368
Lena	2	6053	3790	Malta	4	6069	3608
Leonore	5	6221	3552	Manchester	10	6640	3590
Le Roy	5	6366	3435	Manhattan	1	6101	3429
Lewistown	6	6460	3647	Manito	6	6428	3593
Lexington	5	6311	3467				
Liberty	10	6631	3741				

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D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Manlius	6	6220	3678	Metcalf	14	6398	3239
Mansfield	7	6373	3384	Metropolis	12	6978	3114
Manteno	1	6122	3390	Meyer	10	6606	3825
Maple Park	4	6054	3567	Middletown-New Holland	5	6468	3536
Maquon	17	6383	3686				
Marengo	1	5988	3603	Milford	1	6230	3307
Marietta	6	6457	3693	Milledgeville	4	6129	3743
Marine	15	6743	3435	Millstadt	15	6833	3452
Marion	12	6882	3202	Milton	10	6659	3641
Marissa	12	6849	3379	Mindale	10	6560	3725
Maroa	9	6440	3433	Mineral	6	6248	3695
Marseilles	1	6173	3525	Minier-Armington	5	6391	3525
Marshall	14	6467	3181				
Martinsville	8	6493	3203	Minonk	6	6280	3531
Martinton	1	6178	3341	Minooka	1	6115	3473
Mascoutah	15	6803	3408	Modesto	9	6626	3531
Mason City	9	6465	3559	Mokena	1	6072	3426
Massbach	2	6102	3821	Moline	3	6272	3807
Matherville	3	6326	3796	Momence	1	6124	3357
Mattoon	8	6502	3291	Monee	1	6084	3395
Maunie	11	6755	3097	Monmouth	17	6397	3769
Maywood	1	6001	3455	Monroe Center	4	6047	3645
Mazon	1	6169	3474	Monticello	7	6413	3375
McClure	15	7002	3238	Montrose	8	6564	3260
McConnell	2	6036	3783	Morris	1	6146	3488
McHenry	1	5946	3564	Morrison	4	6174	3756
McLean	5	6403	3494	Morrisonville	8	6597	3448
McLeansboro	11	6782	3177	Morton	6	6368	3565
McNabb	1	6240	3583	Mossville	6	6336	3601
Medora	15	6697	3527	Mound City	12	7025	3174
Melvin	7	6285	3382	Mounds	12	7023	3183
Mendon	10	6603	3786	Mount Auburn	9	6517	3451
Mendota	6	6162	3607				
Meredosia	10	6601	3652				
Metamora	6	6326	3567				

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D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Mount Carmel	11	6660	3092	Niantic	9	6492	3446
Mount Carroll	4	6119	3785	Niota	17	6501	3836
Mount Erie	11	6677	3174	Noble	11	6641	3190
Mount Morris	4	6088	3702	Nokomis	8	6608	3409
Mount Olive	8	6685	3454	Norris City	11	6787	3134
Mount Pulaski	9	6471	3480	Northbrook	1	5954	3479
Mount Sterling	10	6585	3699	North Henderson	3	6350	3761
Mount Vernon	15	6769	3255	North Pekin	6	6378	3589
Mount Zion	9	6486	3395	Oakdale	15	6824	3340
Moweaqua	9	6524	3402	Oakford	9	6504	3590
Mulberry Grove	15	6679	3370	Oak Forest	1	6045	3412
Mundelein	1	5940	3518	South			
Murphysboro	12	6908	3268	Oakland	8	6442	3258
Murrayville	10	6626	3583	Oak Lawn	1	6026	3426
Naperville	1	6046	3489	Oak Park	1	5998	3450
Nashville	15	6799	3331	Oakwood	7	6335	3267
Nauvoo	17	6520	3845	Oblong	11	6558	3173
Nelson	4	6149	3701	Oconee	8	6597	3381
Neoga	8	6540	3287	Odell	5	6221	3466
Neponset	6	6259	3681	Odin	15	6721	3308
Newark	1	6123	3527	O'Fallon	15	6792	3435
New Athens	15	6841	3405	Ogden	7	6350	3294
New Baden	15	6788	3398	Oglesby	1	6206	3574
New Berlin	9	6573	3545	Ohio	6	6185	3658
New Boston	3	6372	3846	Okawville	15	6795	3366
New Canton	10	6678	3716	Olive Branch	12	7024	3212
New Douglas	8	6699	3436	Olney	11	6623	3172
New Haven	11	6786	3095	Omaha	11	6803	3121
New Lenox	1	6081	3436	Onarga	1	6238	3361
Newman	7	6411	3266				
New Milford	2	6035	3663				
New Minden	15	6781	3338				
Newton	11	6580	3210				
New Windsor	3	6326	3767				

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D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Oneida	17	6335	3723	Perry	10	6624	3676
Oquawka	3	6414	3816	Pesotum	7	6412	3319
Orangeville	2	6024	3774	Petersburg	9	6513	3564
Orchardville	11	6710	3226	Philo	7	6385	3312
Oreana	9	6453	3409	Pinckneyville	12	6851	3305
Oregon	4	6088	3684	Piper City	5	6244	3392
Orion	3	6292	3772	Pistakee Highlands	1	5929	3562
Orland	1	6051	3432	Pittsburg (Fayette Co.)	15	6686	3356
Osco	3	6285	3757	Pittsfield	10	6662	3670
Oswego	1	6079	3509	Plainfield	1	6081	3480
Ottawa	1	6180	3547	Plano	1	6096	3534
Owaneco	8	6566	3413	Plato Center	1	6018	3555
Palatine	1	5973	3509	Plattville	1	6110	3498
Palestine	11	6535	3129	Pleasant Hill	10	6699	3663
Palmyra	9	6635	3530	Pleasant Plains	9	6545	3560
Palos Park	1	6042	3432	Plymouth	17	6538	3751
Pana	8	6574	3387	Pocahontas	15	6718	3403
Paris	14	6425	3203	Polo	4	6112	3717
Parkersburg	11	6649	3153	Pontiac	5	6254	3468
Park Ridge	1	5978	3467	Poplar Grove	2	5982	3645
Patoka	15	6698	3327	Port Byron	3	6239	3789
Patterson	10	6663	3609	Potomac	7	630l	3289
Paulton	12	6867	3188	Prairie City	17	6439	3715
Pawnee	9	6573	3483	Prairie-du-Rocher	15	6906	3417
Paw Paw	1	6124	3601	Prairietown	15	6721	3473
Paxton	7	6294	3349	Preemption	3	6314	3798
Payson	10	6653	3755	Princeton	6	6222	3640
Pearl	10	6678	3628	Princeville	6	6328	3640
Pearl City	2	6075	3780	Prophetstown	4	6199	3738
Pecatonica	2	6033	3717	Putnam	6	6253	3612
Pekin	6	6391	3587				
Penfield	7	6313	3311				
Peoria	6	6362	3592				
Peotone	1	6104	3392				
Percy	12	6881	3335				

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Quincy	10	6642	3790	Roodhouse	10	6655	3592
Raleigh-Galatia	12	6833	3149	Roscoe	2	5986	3677
Ramsey	15	6626	3367	Rose Hill	11	6558	3220
Rankin	7	6277	3320	Roselle	1	6001	3501
Ransom	5	6203	3500	Roseville	17	6433	3755
Rantoul	7	6327	3342	Rosiclare	12	6896	3082
Raritan	17	6451	3776	Rossville	7	6276	3277
Raymond	8	6626	3454	Round Lake	1	5929	3537
Red Bud	15	6873	3413	Royal	7	6334	3303
Reddick	5	6183	3435	Royalton	12	6869	3244
Redmon	14	6431	3231	Rushville	10	6544	3681
Renault	15	6896	3429	Rutland	5	6264	3540
Renshaw	12	6930	3129	Sadorus	7	6408	3334
Reynolds	3	6317	3813	Sailor Springs	11	6639	3217
Rice	15	6827	3316	St. Anne	1	6157	3351
Richmond	1	5923	3583	St. Charles	1	6032	3527
Ridge Farm	7	6367	3226	St. Elmo	15	6627	3317
Ridgway	12	6817	3105	St. Francisville	11	6616	3093
Rio	3	6341	3751	St. Jacob	15	6757	3426
Riverdale	1	6030	3399	St. Joseph	7	6355	3305
River Grove	1	5993	3459	St. Libory	15	6821	3384
Riverside	1	6010	3447	St. Peter	15	6658	3302
Riverton	9	6521	3502	Salem	15	6711	3292
Roanoke	6	6312	3545	Sandoval	15	6727	3318
Roberts	7	6271	3377	Sandwich	1	6105	3545
Robinson	11	6544	3147	San Jose	6	6439	3556
Rochelle	4	6086	3638	Saunemin	5	6234	3438
Rochester	9	6540	3491	Savanna	4	6132	3809
Rockbridge	15	6683	3546	Saybrook	5	6333	3409
Rock Cut	2	5996	3662	Scales Mound	2	6065	3862
Rockford	2	6022	3675	Scottville	9	6635	3551
Rock Island	3	6276	3816	Seaton	3	6371	3810
Rockport	10	6691	3693				
Rockton	2	5984	3690				

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Secor	6	6319	3530	Sparta	12	6867	3359
Sefton	15	6627	3336	Spring Bay	6	6331	3595
Seneca	1	6169	3509	Springfield	9	6539	3513
Sesser	12	6823	3255	Spring Grove	1	5925	3569
Seward	2	6046	3709	Spring Valley	6	6211	3598
Seymour	7	6386	3362	Stanford	5	6384	3512
Shabbona	4	6101	3593	Staunton	15	6701	3457
Shannon	4	6090	3756	Steeleville	12	6886	3341
Shattuc	15	6734	3328	Stelle	1	6204	3406
Shawneetown	12	6826	3077	Sterling	4	6157	3715
Sheffield	6	6245	3679	Steward	4	6097	3623
Shelbyville	8	6550	3347	Stewardson	8	6564	3308
Sheldon	1	6193	3302	Stillman Valley	2	6058	3671
Sheridan	1	6133	3541	Stockland	1	6228	3289
Sherman	9	6517	3515	Stockton	2	6072	3814
Sherrard	3	6307	3787	Stonefort	12	6887	3156
Shipman	15	6701	3507	Stonington	8	6536	3428
Shirland	2	5996	3707	Strasburg	8	6547	3315
Shobonier	15	6676	3337	Strawn	5	6280	3413
Shumway	8	6581	3303	Streator	5	6222	3522
Sibley	7	6291	3403	Stronghurst	17	6446	3792
Sidell	7	6378	3253	Sublette	4	6151	3632
Sidney	7	6375	3301	Sugar Grove	1	6071	3531
Sigel	8	6561	3284	Sullivan	9	6498	3338
Simpson	12	6921	3150	Summerfield	15	6779	3412
Skokie	1	5968	3458	Summit	1	6020	3440
Smithfield	6	6456	3675	Summum	6	6495	3653
Smithshire	17	6430	3778	Sumner	11	6609	3137
Somonauk	1	6112	3552	Sunnyland	6	6353	3575
Sorento	8	6688	3424	Sutter	17	6570	3813
South Beloit	13	6972	3690				
South Bergen	18	5961	3663				
South Pekin	6	6405	3582				
South Sharon	18	5952	3644				
Sparland	6	6286	3603				

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H	Mileage Service Area	MSA No.	V	H
Swan Creek	17	6445	3748	Ullin	12	6991	3197
Sycamore	4	6045	3589	Union	1	5987	3592
Table Grove	6	6486	3684	Ursa	10	6611	3798
Talbott	6	6412	3603	Utica	1	6193	3570
Tallula	9	6532	3570	Valmeyer	15	6881	3469
Tamaroa	15	6828	3287	Vandalia	15	6659	3348
Tamms	12	7005	3205	Varna	6	6268	3573
Tampico	4	6195	3712	Venedy	15	6810	3377
Taylorville	8	6561	3435	Vermilion	14	6422	3183
Teutopolis	8	6578	3272	Vermont	17	6500	3678
Thawville	7	6253	3373	Verona	1	6180	3484
Thebes	12	7023	3233	Versailles	10	6597	3673
Thomas (Bureau Co.)	4	6221	3706	Victoria	17	6333	3699
				Vienna	12	6941	3166
Thomasboro	7	6342	3340	Villa Grove	7	6416	3297
Thompsonville	12	6834	3192	Villa Ridge	12	7014	3186
Thomson	4	6153	3790	Viola	3	6336	3788
Thornton	1	6044	3391	Virden	9	6606	3502
Tilden	12	6848	3365	Virginia	9	6552	3612
Tinley Park	1	6056	3416	Walnut	6	6195	3676
Tiskilwa	6	6240	3638	Waltonville	15	6799	3266
Toledo	8	6534	3251	Warren	2	6043	3826
Tolono	7	6397	3324	Warrensburg	9	6469	3438
Toluca	5	6268	3555	Warrenville	1	6039	3497
Tonica	1	6222	3567	Warsaw	17	6561	3834
Topeka	6	6458	3607	Washburn	6	6295	3570
Toulon	6	6304	3672	Washington	6	6346	3565
Towanda	5	6335	3477	Wataga	17	6348	3725
Tower Hill	8	6566	3370	Waterloo	15	6861	3448
Tremont	6	6387	3561	Waterman	4	6094	3579
Trenton	15	6773	3402	Watseka	1	6206	3327
Trivoli	6	6384	3637				
Troy	15	6763	3445				
Tuscola	7	6435	3308				

General Exchange Catalog

MESSAGE TOLL TELEPHONE SERVICE

D. Mileage Measurements (Cont'd)

3. V and H Coordinates and Market Service Area (MSA) of Exchange Rate Centers (Cont'd)

Mileage Service Area	MSA No.	V	H
Watson	8	6607	3275
Wauconda	1	5953	3536
Waukegan	1	5909	3503
Waverly	9	6602	3538
Wayne City	11	6738	3209
Waynesville	5	6413	3479
Weldon	5	6410	3411
Wellington	1	6246	3296
Wendelin	11	6620	3211
Wenona	5	6252	3548
West Brooklyn	6	6136	3626
West Chicago	1	6030	3507
West Dana	16	6375	3199
Western Springs	1	6020	3456
Westervelt	8	6541	3364
Westfield	8	6477	3232
West Frankfort	12	6849	3217
Westport	11	6588	3086
West Salem	11	6658	3139
West Union	14	6497	3158
Westview	15	6827	3458
Westville	7	6338	3239
Wheaton	1	6025	3492
Wheeling	1	5958	3492
White Hall	10	6665	3592
Williamsfield	17	6349	3676
Williamsville	9	6502	3513
Willow Hill	11	6569	3189
Willow Springs	1	6033	3445
Wilmette	1	5955	3457
Wilmington	1	6135	3441
Winchester	10	6631	3619
Windsor	8	6529	3319
Winnebago	2	6033	3696
Winnetka	1	5951	3462
Winslow	2	6029	3797
Witt	8	6621	3415
Wonder Lake	1	5942	3578
Woodburn	15	6712	3495
Woodhull	3	6321	3745
Woodland	1	6217	3321
Woodlawn	15	6776	3276
Wood River	15	6754	3490
Woodson	10	6615	3582
Woodstock	1	5964	3587
Worden	15	6721	3458
Wyanet	6	6233	3656
Wyoming	6	6304	3655
Xenia	11	6685	3246
Yates City	6	6376	3662
Yorkville	1	6094	3519
Zeigler	12	6859	3237
Zion	1	5893	3513

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General Exchange Catalog

DS1 CYBER SERVICE

1. General

.1 DS1 Cyber Service provides network dial tone service between a customer's premises and the local serving office on a channelized basis (DS0) over a single high-capacity (DS1) digital facility that terminates on the trunk side of the switch in the local serving office. DS1 Cyber Service is available for data dialed access use.

.2 DS1 Cyber Service is provided in capacity increments of 24 digital channels within a single DS1 (1.544 Mbps) signal.

.3 DS1 Cyber Service provides a trunkside DS1 connection with 24 channels. DS1 Cyber Service does not provide the function of analog to digital (or vice versa) conversions and no service types can be specified on the DS1.

.4 DS1 Cyber Service is comprised of a DS1 Cyber Service Capacity component:

.4.1 DS1 Cyber Service Capacity will be at the rates and charges as specified following.

.4.2 DS1 Cyber Service customers will have to select capacity in increments of 24 digital channels.

.5 DS1 Cyber Service is offered on a month-to-month basis, under a one-year, two-year or three-year term option, or under a term and volume plan.

2. Digital Architecture

.1 DS1 Cyber Service differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks.

.2 The time required to provision service is known as the service date interval. The service date interval for DS1 Cyber Service and related network services connected to DS1 Cyber Service will differ from the normal guidelines applicable to end-to-end services.

General Exchange Catalog

DS1 CYBER SERVICE

2. Digital Architecture (Cont'd)

.3 DS1 Cyber Service will be available on a digital basis at the network interface on a customer's premises. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications on the 1.544 Mbps (DS1) channel which is actually terminated. Each digital channel provided will have an identity only as a "time slot" within a DS1 Channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.

3. Definitions

Channel Service Unit (CSU). The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

CyberDS1 Capacity. A DS1 signal between the customer premises and the central office. This digital link can be used to transport switched data services. DS1 Cyber Service is available in increments of 24 digital channels.

DS0. The term DS0 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in the Technical Interface Reference Manual.

DS1. The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous timed bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are stated in Technical Interface Reference Manual.

General Exchange Catalog

DS1 CYBER SERVICE

4. Regulations

.1 DS1 Cyber Service is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.

.2 DS1 Cyber Service is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in this Catalog may be applicable.

.3 All DS1 Cyber Service must be channelized in a single equipment location on a customer's premises. DS1 Cyber Service cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.

.4 The technical specifications and standard network interface for DS1 and associated channelized services are stated in the Technical Interface Reference Manual.

.5 In the event DS1 Cyber Service is terminated by the customer prior to completion of a term commitment period or term and volume plan, the customer shall be liable for termination liability charges.

5. Application of Rates

.1 The DS1 Cyber Service Capacity rate is applicable to each DS1 Cyber Service.

.2 The DS1 Cyber Service Capacity element provides for the network facility to the customer premises and the central office channelization.

.3 For each increment of 24 digital channels, a credit equal to 100% of the applicable interstate Subscriber Line Charge will be applied to 22 of the 24 channels.

.4 DS1 Cyber Service is offered on a month-to-month basis, under a one-year, two-year or three-year term option, or under a term and volume plan.

General Exchange Catalog

DS1 CYBER SERVICE

5. Application of Rates (Cont'd)

.5 Customers on a term commitment option may convert to a term and volume plan (TVP) without incurring termination liability charges provided the new TVP length is equal to or greater than the existing term commitment and the customer has less than twelve (12) months remaining on their existing term commitment.

.6 TVP customers may change the number of DS1 Cyber Service during the term period. In the event customers under a TVP make subsequent DS1 Cyber Service increases or decreases that cause the total number of CyberDS1s to fall within a different threshold level, all remaining DS1 Cyber Service will be billed at the applicable level rate for the remainder of the term period. TVP customers may not change to a month-to-month or term commitment offering and must maintain the minimum threshold of six (6) DS1 Cyber Service for the term period to avoid incurring termination liability charges.

.7 Transfer of service responsibility between customers is permitted subject to rules and regulations as set forth in this catalog.

.8 Unless specified herein, rules and regulations contained elsewhere in this and other Company catalogs are also applicable to DS1 Cyber Service.

General Exchange Catalog

DS1 CYBER SERVICE

6. Rates and Charges

	Nonrecurring Charge	Monthly Rate [1]
DS1 Cyber Service Capacity, per DS1	$500.00	
Month-to-Month		$750.00
Term Commitment		
One-Year		$725.00
Two-Year		$675.00
Three-Year		$600.00
Term and Volume Plan		
One-Year Term, Threshold Levels:		
6-10		$675.00
11-20		$600.00
21 and over		$500.00
Two-Year Term, Threshold Levels:		
6-10		$625.00
11-20		$550.00
21 and over		$450.00
Three-Year Term, Threshold Levels:		
6-10		$550.00
11-20		$450.00
21 and over		$375.00

[1] For each increment of 24 digital channels, a credit equal to 100% of the applicable interstate Subscriber Line Charge will be applied to 22 of the 24 channels.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE

.1 General

This section contains the rules and regulations pertaining to the provisioning of Optical Networking Service. The regulations and rates specified herein are in addition to the applicable rates and regulations specified in other catalogs of the Company.

This service supports asynchronous bandwidth capacities at 1.5 Mbps and 45 Mbps in addition to synchronous Optical Carrier (OC) bandwidth capacities at OC-3, OC-12, OC-48 and OC-192 bit rates.

Optical Networking Service is available for intraexchange, interexchange, intraMSA or interMSA applications on an intrastate basis.

.2 Description

Optical Networking is comprised of high-speed technology providing connectivity at, and transport between, two or more customer designated locations (CDLs).

All traffic must originate and/or terminate at the customer location.

.3 Conditions

Optical Networking is available only in selected wire centers where technical capabilities permit. The customer is responsible for providing all facilities and cabling necessary to connect customer equipment to this interface.

Customer Facility Assignment (CFA) is controlled by the Telephone Company, on all serving wire centers on the Inter-Office Facility (IOF) and extends to the terminating CDL. Should the customer require control of the facility assignment and order multiplexing on the IOF, the services from the mulitplexer to the end user serving wire center will be ordered from other catalogs of the Company.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.3 Conditions (Cont'd)

It is the customer's responsibility to ensure that the customer's equipment provides industry standard electrical signals compatible with Optical Networking transport transmission. Technical specifications are contained in the following publications:

Bellcore Document GR-253-CORE, Issue 2, April 1996
Bellcore Document GR-1400-CORE, Issue 1, March 1994
Bellcore Document GT-1374-CORE, Issue 1, March 1994
American National Standard, ANSI T1.105-1996
American National Standard, ANSI T1.102-1993

The Company will work cooperatively with the customer during a planning session to insure that the customer orders sufficient Optical Networking bandwidth capacity to satisfy the customer's requirements as well as other applicable Optical Networking services. This planning session must take place prior to initial ordering.

.4 Rate Elements

(A) Custom Connect

The Custom Connect provides a connection to the Telephone Company's Optical Network and a customer's designated location (CDL). The Custom Connect is comprised of CO Nodes, CDL Links, Transport and Riders. Each Custom Connect must consist of a minimum of two customer designated locations, one of which must be a CDL Link.

The Custom Connect may be ordered as special access. The Concatenated/Non-concatenated Custom Connect CDL Link is provided with a two fiber network interface. Where technically feasible, the Concatenated/Non-concatenated CDL Link may be optionally ordered with four fiber, 1+1 protected network interface, as Single or Diverse Route.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.4 Rate Elements (Cont'd)

(A) Custom Connect (Cont'd)

CO Node

The CO Node rate element is applicable for each central office that is equipped with a fiber optic terminal in which the customer requests the ability to add/drop traffic to a CDL. If the customer wants to drop traffic below a DS3 at the CO Node, the customer must request a minimum DS1 interface and appropriate special access lines from Section 5 of Tariff ICC No. 10. The CO Node may be ordered at an OC3, OC12, OC48, or OC192 bandwidth capacity. The CO Node may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year Term Payment Plan (TPP).

The CO Node may be ordered when a customer requires OC level multiplexing on the Custom Connect.

CDL Link

The CDL Link rate element is applicable for each customer designated location in which the customer requests the ability to add/drop traffic. The CDL Link is offered as Single Route, Diverse Route or Ring Route and may be ordered with or without Telephone Company provided electronics as OC3, OC12, OC48 or OC192 bandwidth capacity. Only one CDL Link per connect may be ordered without electronics.

The CDL Link may be ordered as OC3c, OC12c, OC48c or OC192c Single Route or Diverse Route with Telephone Company provided electronics. Rider charges are included in the monthly rate for these CDL Links.

If more than two Links or Nodes are ordered on the same order, the CDL Link must be ordered as a Ring Route CDL Link.

The CDL Link may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year TPP.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.4 Rate Elements (Cont'd)

(B) Transport

Transport may be ordered as shared or dedicated. Shared Transport is applicable when the transport between nodes and/or Links is ordered at different bandwidth levels. The Dedicated Transport is applicable when transport between the Nodes and/or Links is of the same bandwidth level.

Shared Transport may be ordered in bandwidths of DS1, DS3/STS1, OC3, OC12, or OC48. Dedicated Transport may be ordered in bandwidths of OC3, OC12, OC48 and OC192. The transport is mileage sensitive and will be calculated based on the V&H coordinates of the wire centers comprising each segment of the connect.

The Transport is provided at a flat-rated monthly recurring charge.

(C) Rider

The Rider is the customer's service(s) traversing the CDL Link. Riders may be provided at DS1, DS3, OC3, OC3c, OC12, OC12c, OC48, OC48c or STS1 bandwidth levels as required by the customer.

The Rider is provided at a flat-rated monthly recurring charge which includes add/drop multiplexing and is applicable per Rider circuit with the exception of OC3c, OC12c, and OC48c CDL Links. Riders may be furnished on an interstate or intrastate basis.

Four fiber 1+1 protection consists of two cards in the add/drop multiplexer, one working card and a second, standby card to provide automatic protection from a fault in the working card. The four fiber 1+1 protection is available with all Telephone Company provided add/drop multiplexers and with compatible CPE and applies per CDL. When a Rider is ordered with four fiber 1+1 protection, the protection charge applies in addition to the charge for the Rider.

Intrastate Riders may be transported on the customer's interstate Optical Networking facilities.

In jointly provided meet point arrangements, rider charges apply in addition to other applicable charges when Frontier provides any OCN mux node, whether provided at the customer premise or in the central office.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.5 Rate Regulations

Optical Networking may be ordered under a one (1), three (3), five (5), or seven (7) year Term Payment Plan (TPP). Any TPP for these services is subject to an TPP Termination Liability Charge as specified herein.

The TPP applies to Custom Connect.

(A) Changes in Length of a TPP

Prior to the expiration of a TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- No credit will be given for the new period for payments made under the original TPP arrangement.

- NRCs will not be reapplied for existing services.

- If the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service and termination liability charges will apply.

- The rates for the new period will be the rates currently in effect at the time of the change.

(B) Renewal Options

Ninety (90) days prior to the expiration of the existing TPP, the customer shall submit in writing to select a new TPP or disconnect service. If no notice is received, the Company will automatically reconnect the customer to a new TPP with the same term life as the previous.

After completion of the initial TPP term and the customer subscribes to a new term that is longer in length the termination liability, as set forth below, will apply based on the remainder of the TPP period in effect at the time of the disconnect.

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.5 Rate Regulations (Cont'd)

(C) Conversion

When an existing customer purchases Optical Networking, the customer may upgrade their existing private line services to Optical Networking. The upgrade may require physical network changes, as well as changes to existing billing arrangements. Physical changes consist of re-terminating existing services not currently utilizing the Optical network.

Termination liability charges will not apply to the customer's existing services provided the Optical Networking TPP term commitment agreement is equal to or longer in length than the time remaining for the existing arrangement.

(D) Rate Changes

The TPP rates are exempt from Telephone Company initiated increases for the length of the plan, however, decreases will be passed on to the customer. Rate changes may occur as a result of Commission action.

(E) Termination Liability

In the event the service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for termination liability charges, except in the circumstances listed below. The amount of the termination charge will be 25% of the remainder of the contract value.

Termination liability charges will only apply to those rate elements under contract. If the rates for the service are increased, the customer may terminate service without penalty. At the end of the contract period, the customer's rates will remain in effect either as long as the rate element remains cataloged or until the customer terminates the service.

Termination charges will not be assessed under the following circumstances:

1. Customer transfers (moves) his service from one Frontier central office to another.

2. Customer wishes to renegotiate a new term plan for the same type of service at the same location before the initial contract expires as long as the value of the new term is equal to or greater than the value of the initial contract.

3. The customer chooses to change from one service to another service, and the new contract must be of equal or greater value than the initial contract.

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.5 Rate Regulations (Cont'd)

(F) Upgrade to Higher Bandwidth

The Customer who has grown incrementally, may elect to upgrade service to a higher bandwidth during a TPP period to gain economic efficiencies. Termination charges will not apply as long as the upgraded service remains connected at the same point of termination(s), unless the network is being redesigned to gain network efficiency. Nonrecurring charges associated with the new bandwidth upgrade shall apply.

.6 Off-Net Wire Center

Off-Net wire center is a wire center not a designated Optical Networking wire center office. The customer may order a DS0, DS1 or DS3 to the Off-Net wire center. Mileage charges will be determined based on airline miles to the nearest on-net wire center at the transport rates shown in Tariff ICC No. 15.

Circuits connected to the Off-Net wire center will be billed existing tariffed rates as shown Tariff ICC No. 15.

.7 Optical Networking LANs

State	Wire Center	LAN Name
IL	BLOOMINGTON MAIN	Bloomington
IL	BLOOMINGTON EAST	Bloomington
IL	BLOOMINGTON NORMAL	Bloomington
IL	CARBONDALE	Carbondale
IL	MACOMB [1]	Macomb
IL	DEKALB	Dekalb

[1] Only Single Route or Diverse Route Custom Connect CDL Links are available.

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges

(A) Custom Connect CO Node - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 1,500.00	$ 1,000.00	$ 900.00	$ 850.00	$ 800.00

Custom Connect CO Node - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 2,250.00	$ 2,150.00	$ 2,050.00	$ 1,975.00

Custom Connect CO Node - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 4,500.00	$ 4,300.00	$ 4,100.00	$ 3,900.00

Custom Connect CO Node - OC192

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 11,250.00	$ 10,750.00	$ 10,250.00	$ 9,750.00

(B) Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 1,075.00	$ 1,000.00	$ 950.00	$ 900.00

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(B) Custom Connect CDL Link - Single Route without Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 1,500.00	$ 650.00	$ 620.00	$ 600.00	$ 580.00

Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC3c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 3,300.00	$ 3,150.00	$ 2,950.00	$ 2,800.00

Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 2,550.00	$ 2,400.00	$ 2,200.00	$ 2,050.00

Custom Connect CDL Link - Single Route without Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$1,500.00	$ 650.00	$ 620.00	$ 600.00	$ 580.00

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(B) Custom Connect CDL Link - Single Route without Telephone Company Electronics - OC3 (Cont'd)

Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC12c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 6,700.00	$ 6,350.00	$ 6,150.00	$ 5,950.00

Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 4,450.00	$ 4,100.00	$ 3,900.00	$ 3,700.00

Custom Connect CDL Link - Single Route without Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 1,500.00	$ 650.00	$ 620.00	$ 600.00	$ 580.00

Custom Connect CDL Link - Single Route without Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 12,500.00	$ 12,250.00	$ 12,000.00	$ 11,750.00

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(B) Custom Connect CDL Link - Single Route with Telephone Company Electronics - OC48c

Custom Connect CDL Link - Single Route with Telephone Company Electronics – OC192

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 12,000.00	$ 13,200.00	$ 13,150.00	$ 13,050.00	$ 13,000.00

Custom Connect CDL Link - Single Route without Telephone Company Electronics – OC192

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 1,500.00	$ 7,800.00	$ 7,750.00	$ 7,700.00	$ 7,650.00

Custom Connect CDL Link - Single Route with Telephone Company Electronics – OC192c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 22,000.00	$ 19,000.00	$ 16,500.00	$ 14,500.00

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(C) Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 1,790.00	$ 1,700.00	$ 1,650.00	$ 1,600.00

Custom Connect CDL Link - Diverse Route without Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 1,200.00	$ 1,165.00	$ 1,125.00	$ 1,100.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC3c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 3,925.00	$ 3,650.00	$ 3,525.00	$ 3,400.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 3,175.00	$ 2,900.00	$ 2,775.00	$ 2,650.00

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(C) Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC3 (Cont'd)

Custom Connect CDL Link - Diverse Route without Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 1,200.00	$ 1,165.00	$ 1,125.00	$ 1,100.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC12c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 7,350.00	$ 7,050.00	$ 6,825.00	$ 6,625.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 5,100.00	$ 4,800.00	$ 4,575.00	$ 4,375.00

Custom Connect CDL Link - Diverse Route without Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 1,200.00	$ 1,165.00	$ 1,125.00	$ 1,100.00

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(C) Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC3 (Cont'd)

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics - OC48c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 13,200.00	$ 13,000.00	$ 12,500.00	$ 12,250.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics – OC192

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 12,000.00	$ 14,100.00	$ 14,050.00	$ 14,000.00	$ 13,950.00

Custom Connect CDL Link - Diverse Route without Telephone Company Electronics – OC192

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 8,800.00	$ 8,750.00	$ 8,700.00	$ 8,650.00

Custom Connect CDL Link - Diverse Route with Telephone Company Electronics – OC192c

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 24,500.00	$ 21,500.00	$ 19,000.00	$ 17,000.00

General Exchange Catalog

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(D) Custom Connect CDL Link - Ring Route with Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 2,520.00	$ 2,450.00	$ 2,400.00	$ 2,350.00

Custom Connect CDL Link - Ring Route without Telephone Company Electronics - OC3

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 2,045.00	$ 2,020.00	$ 1,995.00	$ 1,970.00

Custom Connect CDL Link - Ring Route with Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 3,950.00	$ 3,800.00	$ 3,650.00	$ 3,475.00

Custom Connect CDL Link - Ring Route without Telephone Company Electronics - OC12

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 2,045.00	$ 2,020.00	$ 1,995.00	$ 1,970.00

Custom Connect CDL Link - Ring Route without Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 6,000.00	$ 5,750.00	$ 5,500.00	$ 5,250.00	$ 5,000.00

OPTICAL NETWORKING SERVICE

1. OPTICAL NETWORKING SERVICE (Cont'd)

.8 Rates and Charges (Cont'd)

(D) Custom Connect CDL Link - Ring Route with Telephone Company Electronics - OC48

Custom Connect CDL Link - Ring Route without Telephone Company Electronics - OC48

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$ 3,000.00	$ 2,045.00	$ 2,020.00	$ 1,995.00	$ 1,970.00

		Monthly Rate
(E)	Custom Connect - Rider	$75.00
	Custom Connect – Rider	$250.00
	Custom Connect - Rider	$240.00
	Custom Connect - Rider	$750.00
	Custom Connect - Rider	$2,250.00
	Custom Connect - Rider	$4,500.00

		Per Mile Monthly Rate
(F)	Custom Connect - Shared Transport	$12.00
	Custom Connect - Shared Transport	$100.00
	Custom Connect - Shared Transport	$210.00
	Custom Connect - Shared Transport	$450.00
	Custom Connect - Shared Transport	$1,125.00
	Custom Connect - Dedicated Transport	$170.00
	Custom Connect - Dedicated Transport	$240.00
	Custom Connect - Dedicated Transport	$370.00
	Custom Connect - Dedicated Transport	$1,200.00

		Per CDL Monthly Rate
(G)	Custom Connect – Optional 4 Fiber, 1+1 Protection	$ 375.00
	Custom Connect – Optional 4 Fiber, 1+1 Protection	1,125.00
	Custom Connect – Optional 4 Fiber, 1+1 Protection	2,250.00
	Custom Connect – Optional 4 Fiber, 1+1 Protection	3,750.00

FRAME RELAY SERVICE - Grandfathered [1] (C)

1. General

.1 Frame Relay Service (FRS) is a data communications service that provides for data connectivity between/among widely distributed locations. This connectivity is provided via Permanent Virtual Circuit (PVC) connections implemented over access facilities utilizing a switch dedicated to high-speed data services.

.2 FRS is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of PVCs. Each frame is passed to the Frame Relay network with an address that specifies the permanent virtual circuit.

.3 Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. FRS is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

.4 In operation of FRS, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC path.

.5 The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

.6 The Committed Information Rate (CIR) and Excess Burst Size B(e) are traffic management parameters that allow the customer to fine tune implementation of FRS.

.7 FRS, as provided for in this Catalog, is offered for local and intrastate use.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

2. Definitions

Committed Information Rate (CIR)
The maximum information rate at which customer traffic will be admitted to the network without being designated eligible for discard.

Customer Designated Location (CDL)
The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Data Link Connection Identifier (DLCI)
The Frame Relay virtual circuit number corresponding to a particular destination which is part of the frame relay header and is usually ten bits long.

Excess Burst Size B(e)
The data rate above the Committed Information Rate (CIR), but less than the port size, at which customer data will be admitted to the Frame Relay network. All Excess Burst data B(e) admitted to the network will be designated as eligible for discard.

Frame
A group of data bits, in a specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Service
A connection oriented fast packet network service that permits the transmission of data at speeds of 56 Kbps to 44.736 Mbps using Permanent Virtual Connections (PVCs).

Local Area Network (LAN)
A network permitting the interconnection of multiple computers, typically within a single building or campus.

Logical Channel
A communications channel that allows two-way simultaneous transmission of data packets through the network. Capacity is made available as the data is transmitted. Each permanent virtual circuit is one logical channel.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

2. Definitions (Cont'd)

Maximum Burst Rate (MBR)
The maximum information rate at which customer traffic will be admitted to the network. Traffic rates in excess of MBR will automatically be discarded on ingress to the network. The Maximum Burst Rate is equal to the sum of the Committed Information Rate (CIR) and Excess Burst Size B(e).

Network-to-Network Interface (NNI)
A standard interface used to connect two frame relay services and includes elements such as bi-directional polling to assist the network services providers in gaining information on the status of the networks being connected.

Permanent Virtual Circuit (PVC)
A logical channel, defined in software, that establishes a path from one customer port to another.

Port
The entry point on the switch to which the customer is connected. Ports are available which allow connection to the Frame Relay network at speeds of 56 Kbps to 44.736 Mbps.

Statistical Multiplexing
A multiplexing technique in which time slots are dynamically allocated on the basis of need rather than being predetermined. The data is typically transmitted on a first come, first served basis.

User-to-Network Interface (UNI)
A standard interface used to connect the end user to the Frame Relay Service network. It receives the data frame from the customer's Local Area Network (LAN) or other customer-provided equipment (CPE) devices and verifies that the Data Link Connection Identifier (DLCI) is valid before relaying the frame to the destination end point. The DLCI is a Frame Relay term defining a 10-bit filed of the address field, and it identifies data links and their service parameters.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

3. Service Components

.1 The major components of FRS are:

User-to-Network Interface (UNI) Port and Access Line
Port Only
- UNI Port Only
- Private Network-to-Network (NNI) Port Only

Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)
PVC CIR Optional Features
Backup UNI

.2 User-to-Network Interface (UNI) Port and Access Line

.2.1 The UNI Port and Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay switch. The UNI Port and Access Line is provided for use only with FRS and where facilities and conditions permit.

.3 Port Only

.3.1 Customers may access Port Only connections via Company-provided digital access facilities or via facilities provided by another carrier. The channel speed of the access channel must be sufficient to accommodate the Frame Relay port speed. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company tariff or catalog shall apply in addition to the regulations, rates and charges associated with FRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff or catalog. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the customer.

a. UNI Port Only - The UNI Port Only provides for a user to carrier connection (i.e., end user customer to the Company).

b. Private Network-to-Network (NNI) Port Only - The Private NNI port configuration is used for connecting two networks together for bi-directional messaging and is available on a private basis only. A Private NNI is a NNI port sold for the exclusive use of the customer.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

3. Service Components (Cont'd)

.4 Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

.4.1 Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

.4.2 Since multiple PVCs may be defined on one physical port, it is possible for the cumulative Committed Information Rates (CIRs) to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, the aggregate CIR defined for that port and PVC will not be available at any point in time.

.4.3 The following types of PVC CIR are available:

a. Intrazone

An Intrazone PVC is a logical channel path between two customer Frame Relay ports within the same zone. Frame Relay zones are found in Application of Rates and Charges, Rate Elements following.

b. Multi-jurisdictional

A Multi-jurisdictional PVC is a logical channel path between two customer Frame Relay ports, one being an interstate port and the other an intrastate port both located within the same Frame Relay zone. A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from Frontier Telephone Companies FCC Tariff No. 8, Frame Relay Service are applicable.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

3. Service Components (Cont'd)

.5 PVC CIR Optional Features

.5.1 Interzone Transport

Interzone Transport provides the mapping of a Frame Relay Intrazone PVC across one or more Frame Relay zone boundaries. Interzone Transport is available only with Intrazone PVC CIR at the rates set forth in 12.4.2.

.5.2 Frame Relay to ATM Service Interworking

Frame Relay to ATM Service Interworking provides for the conversion of Frame Relay packets to ATM cells and the conversion of ATM cells to Frame Relay packets. Frame Relay to ATM Service Interworking is available with Intra-zone and Multi-jurisdictional PVC CIR at no additional charge.

.6 Backup UNI

.6.1 Backup UNI service is a disaster avoidance and disaster recovery feature that consists of a Primary UNI and a Backup UNI and incorporates PVC remapping capabilities of the Frame Relay network. The Primary UNI is terminated at the primary customer host location and in normal operations serves PVCs between the primary host location and various customer remote locations. A second UNI, which is designated by the customer as a Backup UNI, is installed and terminated at the customer's backup host location. During normal operations, no PVCs are mapped to the Backup UNI. The customer will be required to purchase both UNIs. In the event of a Primary UNI, primary digital access line, or customer primary host location failure, the predefined PVC configuration can be remapped to the Backup UNI at the customer's request. Upon restoral of the Primary UNI service, the customer must contact the Company to initiate remapping of PVCs from the Backup UNI back to the Primary UNI. A Backup UNI, which may serve as a backup to one or more Primary UNIs, can only backup one Primary UNI at a time. A Backup UNI must be the same port speed or greater that the Primary UNI(s).

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FRAME RELAY SERVICE - Grandfathered [1] (C)

4. Technical Specifications

.1 FRS conforms to the transmission specification standards in the following references:

ANSI T1.602 Integrated Services Digital Network (ISDN) – Data Link Layer Signaling Specification for Application at the User-Network Interface – Issued 1989

ANSI T1.606 Frame Relay Bearer Service, Architectural Framework and Service Description – Issued 1990

ANSI T1.617 Integrated Services Digital Network (ISDN) – Digital Subscriber Signaling Specification for Frame Relay Bearer Service – Issued 1991

ANSI T1.618 Integrated Services Digital Network (ISDN) – Core Aspects of Frame Relay Bearer Service – Issued 1991

5. Service Provisioning

.1 FRS is available where facilities and conditions permit.

.2 FRS is provided to the customer in the form of the UNI Port and Access Line, UNI Port Only, Private NNI Port Only and CIR based PVCs. The UNI Port and Access Line forms the local access component to the customer's serving central office. The UNI Port Only and Private NNI Port Only include the electronic equipment necessary to interface the access line to the Frame Relay switch.

.3 PVCs are provisioned on a specified speed and CIR basis, depending upon the customer's request. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed.

.4 The maximum CIR allowed is determined by the lower of the two port speeds connected by the PVC. The maximum CIR allowed for port speeds at 1.536 Mbps and below is 75% of the lower of the two port speeds. For port speeds above 1.536 Mbps to 44.7136 Mbps, the maximum CIR allowed is 50% of the lower of the two port speeds.

.5 The PVC must be associated with at least one Frame Relay port. A Frame Relay port can be associated with multiple PVCs.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

5. Service Provisioning (Cont'd)

.6 The customer subscribing to a Port Only or Port and Access Line will be referred to as the controller of the Frame Relay port. A separate entity may, with written authorization from the controller, subscribe to a PVC that allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the controller may order the disconnect of the FRS.

.7 The Frame Relay port with PVC CIR capacity may be ordered and billed separately from an associated Frame Relay port and PVC and can have different customers as controllers.

.8 4 Mbps, 6 Mbps, 10 Mbps and 22 Mbps speeds are provisioned utilizing 44.736 Mbps of transport bandwidth; no other service(s) may utilize the remaining bandwidth

6. Special Conditions

.1 Maintenance Window - Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the Frame Relay switch out of service, during the predetermined maintenance window of 11:00p.m. to 8:00 a.m. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Company reserves the right to temporarily interrupt the FRS at other times in emergency situations.

7. Obligations of the Customer

.1 Where FRS is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

.2 The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the FRS it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

7. Obligations of the Customer (Cont'd)

.3 It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the FRS. The CPE shall be in compliance with the rules and regulations specified in this catalog.

.4 The customer shall be responsible for obtaining permission for the Company's agents or employees to enter the premises of the-customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

.5 At service subscription, the customer must specify the CIR and is expected to provide the DLCI and the B(e) for each PVC ordered.

.6 Error correction is the responsibility of the customer's terminal equipment and/or applications. If the FRS network experiences congestion or failures, customer data may be discarded. In addition, frames that are received in excess of the Maximum Burst Rate (MBR), with bad addresses, or other errors will be discarded on ingress to the network. The customer's Frame Relay terminal equipment has the responsibility for retransmitting frames that are discarded due to errors or network congestion.

.7 The customer is responsible for provisioning the inside wire from the network interface to the Frame Relay compatible equipment.

.8 A customer is ordering Backup UNI service is responsible for the following:

8.1 Determining network configuration before and after the activation of Backup UNI service.

.8.2 Providing the Company with the appropriate information required for joint development of the Backup UNI database.

.8.3 Maintaining its own port configurations and router tables (for seamless changes from the Primary UNI to the Backup UNI, the customer must use the same addressing scheme on routers connected to the primary and backup sites).

.8.4 Contacting the Company to request all activations and deactivations of Backup UNI service.

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FRAME RELAY SERVICE - Grandfathered [1] (C)

8. Obligations of the Company

.1 The responsibility of the Company shall be limited to furnishing network equipment suitable for FRS and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by the customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

.2 The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. The Company is not responsible for adapting FRS to the technological requirements of any specific customer equipment.

.3 When a customer orders FRS which is relayed to Frame Relay networks of other carriers, the Company will provide advisory assistance as a part of the establishment of this service.

.4 The Company shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of the Company used in the provision of FRS render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements otherwise required by law.

.5 The Company undertakes the responsibility to maintain and repair the service that it furnishes. Network equipment installed by the Company on the customer's premises shall be and remain the property of the Company. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by the Company without prior written consent by the Company.

.6 The Company, by written notice to the customer, may immediately discontinue the furnishing of FRS without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.

.7 The Company has the service responsibility up to and including the network interface.

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9. Special Facilities Routing

.1 The customer may request that the facilities used to provide FRS be specially routed. Additional charges will apply based on cost.

10. Acceptance Testing

.1 At the customer's request, the Company will cooperatively test at the time of installation at no additional charge. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

11. Application of Rates and Charges

.1 Rate Elements

.1.1 The following rate elements are applicable to FRS:

UNI Port and Access Line
Port Only
- UNI Port Only
- Private NNI Port Only

PVC CIR
PVC CIR Optional Features
Subsequent PVC CIR Charge
Backup UNI
Software Change Charge

.1.2 UNI Port and Access Line

A monthly recurring charge based on the speed of the port connection applies per port for each physical connection to the network supporting FRS. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to UNI Port and Access Line offered on a Term Payment Plan (TPP). UNI Port and Access Line is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

11. Application of Rates and Charges (Cont'd)

.1 Rate Elements (Cont'd)

.1.3 Port Only – UNI Port Only and Private NNI Port Only

a. A monthly recurring charge based on the speed of the port connection applies per port for each Port Only interface. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to Port Only offered on a TPP. Port Only is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

b. Refer to Paragraph 3.3 preceding for the rules and regulations associated with Port Only digital access facilities.

.1.4 Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

a. Intrazone

A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer. Frame Relay zones are found in Paragraph 11.1.7 following.

b. Multi-jurisdictional

A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations in Frame Relay Service set forth in Frontier Telephone Companies Tariff FCC No. 8 are applicable.

.1.5 PVC CIR Optional Features

a. Interzone Transport - A monthly recurring charge, based on CIR capacity, applies for each application of Interzone Transport and is in addition to the applicable charges for Intrazone PVC CIR. Interzone Transport is available only with Intrazone PVC CIR.

b. Frame Relay to ATM Service Interworking - Frame Relay to ATM Service Interworking is available with Intrazone and Multi-jurisdictional PVC CIR at no additional charge.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

11. Application of Rates and Charges (Cont'd)

.1 Rate Elements (Cont'd)

.1.6 Subsequent PVC CIR Charge

a. A nonrecurring charge applies when a customer orders additional PVC CIR subsequent to the initial port installation.

.1.7 Frame Relay Zones

Zone	Office
Bloomington	Bloomington (Main)
Carbondale	Carbondale
DeKalb	DeKalb
Freeport	Freeport
Jacksonville	Jacksonville
Macomb	Macomb
Olney	Olney
Princeton	Princeton

.1.8 Backup UNI

a. A nonrecurring charge applies when a customer requests an activation of the Backup UNI service. No additional charges are applied upon deactivation of Backup UNI service.

.1.9 Software Change Charge

a. A nonrecurring charge applies per order, per UNI or Private NNI, when a customer requests a PVC parameter change (i.e., CIR, burst, DLCI remapped to a different host or remote). For each service order issued, the charge will be one Software Change Charge regardless of the number of changes made.

.2 Service Charges

.2.1 Unless otherwise stated in this catalog, nonrecurring charges applicable to FRS are in lieu of service charges found elsewhere in this Catalog or other Company tariffs.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

11. Application of Rates and Charges (Cont'd)

.3 Minimum Period

.3.1 The minimum period for FRS is one month except when the customer subscribes to a TPP. When PVCs are added to existing FRS, the minimum period for the PVC is one month.

.4 Term Payment Plan (TPP)

.4.1 The UNI Port and Access Line, UNI Port Only and Private NNI Port Only rate elements are available under a TPP. PVC CIRs are not offered under a TPP.

.4.2 Payment periods of one year, three years and five years are available to all customers at the applicable rates set forth in Rates and Charges following, regardless of when they subscribe to a TPP arrangement.

.4.3 Changes to a TPP period

a. Prior to the completion of the selected TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original TPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the value of the new TPP is less than the remaining value of current TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service and termination liability charges will apply.

b. Conversion to a different TPP or to a month-to-month option will require the customer to submit an order. If no other changes are requested, no nonrecurring charges will apply.

.4.4 Termination Liability

a. In the event FRS is terminated by the customer prior to completion of the term commitment period, termination liability charges will apply.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

11. Application of Rates and Charges (Cont'd)

.5 Service Rearrangements

.5.1 Additions to Service

a. With the exception of PVCs, when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added. When PVCs are added to an existing FRS, the minimum period for the added PVCs is one month.

b. Nonrecurring charges will apply for all additions to existing services or optional features for which nonrecurring charges normally apply at installation.

c. Related monthly rates and nonrecurring charges for additions(s) to service are the rate and charges in effect at the time of the addition(s).

.5.2 Administrative Changes

a. Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes may include but are not limited to the following:

- Change of customer name, i.e., the customer or record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications;

- Change of customer premises address when the change of address is not a result of a physical relocation of facilities;

- Change in billing data (name, address, or contact name or telephone number); and,

- Change of customer contact name or telephone number.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

11. Application of Rates and Charges (Cont'd)

.5 Service Rearrangements

.5.3 Conversion of Service

a. Conversion of service to another jurisdiction will be treated as a disconnect of service and establishment of new service. However, if no other changes are ordered, no installation charges will apply.

.5.4 Moves

a. When the customer requests a move or relocation of the UNI Port and Access Line, UNI Port Only or Private NNI Port Only, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

.5.5 Upgrade to Higher Speed Service

a. The customer may elect to upgrade service(s) to a higher speed during a TPP period, subject to the following conditions:

- Both the existing and the new service are provided solely by the Company.

- The order to discontinue service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.

- The new service will be provided at the same customer location as the discontinued service.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [2] (C)

12. Rates and Charges

	Nonrecurring Charge [1]	Monthly Rate
.1 UNI Port and Access Line, each		
56 Kbps		
Month-to-Month	$495.00	$187.00
One Year	$0.00	$182.00
Three Years	$0.00	$171.00
Five Years	$0.00	$154.00
128 Kbps		
Month-to-Month	$495.00	$275.00
One Year	$0.00	$264.00
Three Years	$0.00	$244.00
Five Years	$0.00	$226.00
256 Kbps		
Month-to-Month	$595.00	$418.00
One Year	$0.00	$402.00
Three Years	$0.00	$363.00
Five Years	$0.00	$330.00
384 Kbps		
Month-to-Month	$595.00	$424.00
One Year	$0.00	$407.00
Three Years	$0.00	$385.00
Five Years	$0.00	$363.00
DS1 (1.536 Mbps)		
Month-to-Month	$595.00	$649.00
One Year	$0.00	$616.00
Three Years	$0.00	$578.00
Five Years	$0.00	$528.00

[1] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [2] (C)

12. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.1 UNI Port and Access Line, each (Cont'd)		
4 Mbps		
Month-to-Month	$795.00	$3,190.00
One Year	$0.00	$3,053.00
Three Years	$0.00	$2,778.00
Five Years	$0.00	$2,530.00
6 Mbps		
Month-to-Month	$795.00	$3,630.00
One Year	$0.00	$3,465.00
Three Years	$0.00	$3,135.00
Five Years	$0.00	$2,860.00
10 Mbps		
Month-to-Month	$795.00	$4,015.00
One Year	$0.00	$3,850.00
Three Years	$0.00	$3,575.00
Five Years	$0.00	$3,190.00
22 Mbps		
Month-to-Month	$795.00	$4,235.00
One Year	$0.00	$4,070.00
Three Years	$0.00	$3,740.00
Five Years	$0.00	$3,300.00
44.736 Mbps		
Month-to-Month	$795.00	$4,620.00
One Year	$0.00	$4,345.00
Three Years	$0.00	$3,960.00
Five Years	$0.00	$3,520.00

[1] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [3] (C)

12. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 Port Only		
.2.1 UNI Port Only [2], each		
56 Kbps		
Month-to-Month	$95.00	$55.00
One Year	$0.00	$53.00
Three Years	$0.00	$46.00
Five Years	$0.00	$41.00
128 Kbps		
Month-to-Month	$150.00	$97.00
One Year	$0.00	$92.00
Three Years	$0.00	$85.00
Five Years	$0.00	$75.00
256 Kbps		
Month-to-Month	$150.00	$152.00
One Year	$0.00	$145.00
Three Years	$0.00	$138.00
Five Years	$0.00	$127.00
384 Kbps		
Month-to-Month	$150.00	$193.00
One Year	$0.00	$185.00
Three Years	$0.00	$172.00
Five Years	$0.00	$156.00
DS1 (1.536 Mbps)		
Month-to-Month	$295.00	$297.00
One Year	$0.00	$286.00
Three Years	$0.00	$270.00
Five Years	$0.00	$251.00

[1] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs

[2] Refer to Paragraph 3.3 preceding for the regulations associated with Port Only digital access facilities.

[3] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [3] (C)

12. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 Port Only (Cont'd)		
.2.1 UNI Port Only [2], each (Cont'd)		
4 Mbps		
Month-to-Month	$395.00	$715.00
One Year	$0.00	$688.00
Three Years	$0.00	$633.00
Five Years	$0.00	$578.00
6 Mbps		
Month-to-Month	$395.00	$770.00
One Year	$0.00	$743.00
Three Years	$0.00	$688.00
Five Years	$0.00	$633.00
10 Mbps		
Month-to-Month	$395.00	$825.00
One Year	$0.00	$798.00
Three Years	$0.00	$743.00
Five Years	$0.00	$688.00
22 Mbps		
Month-to-Month	$395.00	$880.00
One Year	$0.00	$853.00
Three Years	$0.00	$798.00
Five Years	$0.00	$743.00
DS3 (44.736 Mbps)		
Month-to-Month	$395.00	$1,100.00
One Year	$0.00	$1,018.00
Three Years	$0.00	$908.00
Five Years	$0.00	$798.00

[1] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs

[2] Refer to Paragraph 3.3 preceding for the regulations associated with Port Only digital access facilities.

[3] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [3] (C)

12. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 Port Only (Cont'd)		
.2.2 Private NNI Port Only [2], each		
384 Kbps		
Month-to-Month	$150.00	$193.00
One Year	$0.00	$185.00
Three Years	$0.00	$172.00
Five Years	$0.00	$156.00
DS1 (1.536 Mbps)		
Month-to-Month	$295.00	$297.00
One Year	$0.00	$286.00
Three Years	$0.00	$270.00
Five Years	$0.00	$251.00
DS3 (44.736Mbps)		
Month-to-Month	$395.00	$1,100.00
One Year	$0.00	$1,018.00
Three Years	$0.00	$908.00
Five Years	$0.00	$798.00

[1] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs

[2] Refer to Paragraph 3.3 preceding for the regulations associated with Port Only digital access facilities.

[3] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [1] (C)

12. Rates and Charges (Cont'd)

	Monthly Rate
.3 PVC CIR, per PVC	
.3.1 Intrazone	
4 Kbps	$4.00
8 Kbps	$6.00
16 Kbps	$7.00
28 Kbps	$8.00
32 Kbps	$9.00
42 Kbps	$12.00
48 Kbps	$14.00
64 Kbps	$17.00
96 Kbps	$24.00
128 Kbps	$30.00
192 Kbps	$40.00
256 Kbps	$46.00
288 Kbps	$53.00
384 Kbps	$59.00
512 Kbps	$66.00
576 Kbps	$72.00
768 Kbps	$77.00
1152 Kbps	$88.00
1536 Kbps	$99.00

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [2] (C)

12. Rates and Charges (Cont'd)

	Monthly Rate
.3 PVC CIR, per PVC (Cont'd)	
.3.1 Intrazone (Cont'd)	
2 Mbps	$105.00
3 Mbps	$110.00
4 Mbps	$132.00
5 Mbps	$156.00
6 Mbps	$180.00
7 Mbps	$205.00
8 Mbps	$228.00
9 Mbps	$252.00
10 Mbps	$275.00
11 Mbps	$293.00
12 Mbps	$310.00
13 Mbps	$328.00
14 Mbps	$345.00
15 Mbps	$363.00
16 Mbps	$381.00
17 Mbps	$398.00
18 Mbps	$416.00
19 Mbps	$433.00
20 Mbps	$451.00
21 Mbps	$469.00
22 Mbps	$486.00
.3.2 Multi-jurisdictional [1]	

[1] A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations in Frame Relay Service set forth in Frontier Telephone Companies Tariff FCC No. 8 are applicable.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

FRAME RELAY SERVICE - Grandfathered [2] (C)

12. Rates and Charges (Cont'd)

	Monthly Rate
.4 PVC CIR Optional Features, per PVC	
.4.1 Interzone Transport [1]	
4 Kbps	$13.00
8 Kbps	$14.00
16 Kbps	$15.00
28 Kbps	$16.00
32 Kbps	$17.00
42 Kbps	$20.00
48 Kbps	$25.00
64 Kbps	$30.00
96 Kbps	$38.00
128 Kbps	$43.00
192 Kbps	$59.00
256 Kbps	$73.00
288 Kbps	$82.00
384 Kbps	$91.00
512 Kbps	$110.00
576 Kbps	$115.00
768 Kbps	$125.00
1152 Kbps	$145.00
1536 Kbps	$160.00
2 Mbps	$180.00
3 Mbps	$195.00
4 Mbps	$205.00
5 Mbps	$243.00
6 Mbps	$286.00
7 Mbps	$329.00
8 Mbps	$373.00
9 Mbps	$416.00
10 Mbps	$460.00
11 Mbps	$502.00
12 Mbps	$544.00

[1] The monthly rate applies in addition to applicable rates for Intrazone PVC CIR.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

FRAME RELAY SERVICE - Grandfathered [3] (C)

12. Rates and Charges (Cont'd)

	Monthly Rate
.4 PVC CIR Optional Features, per PVC (Cont'd)	
.4.1 Interzone Transport [1] (Cont'd)	
13 Mbps	$586.00
14 Mbps	$628.00
15 Mbps	$670.00
16 Mbps	$704.00
17 Mbps	$738.00
18 Mbps	$772.00
19 Mbps	$806.00
20 Mbps	$840.00
21 Mbps	$869.00
22 Mbps	$898.00
.4.2 Frame Relay to ATM Service Interworking	No Charge

	Nonrecurring Charge [2]
.5 Subsequent PVC CIR Charge, each	$20.00
.6 Backup UNI, per activation	$200.00
.7 Software Change Charge, per order, per UNI or Private NNI	30.00

[1] The monthly rate applies in addition to applicable rates for Intrazone PVC CIR.
[2] Applies in lieu of service charges found elsewhere in this catalog or other Company tariffs.
[3] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

1. Application

This section contains definitions, regulations and charges applicable to the provision of Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) where conditions and facilities permit.

2. Definitions

Hub - A Company designated serving wire center that is equipped to provide service.

Maximum Burst Size - The term "Maximum Burst Size" (MBS) denotes the consecutive number of ATM cells that can enter the ATM CRS network above the Sustained Cell Rate level and below the Peak Cell Rate level.

3. Regulations

.1 Description of Service

Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) is a telecommunications transport and switching service that provides for high-speed connectivity between Customer Designated Locations (CDL). ATM CRS consists of a User Network Interface (UNI) available in various configurations including Port with Access Line Connection and Port Only Connection, with either incremental or full bandwidth.

The UNI Port with Access Line Connection is a dedicated digital line that provides a link from the customers premises to one of the Company's ATM CRS hubs. UNIs are also provisioned as a Port Only Connection as defined in Paragraph 3.2.2.

ATM CRS is a fast-packet, cell-based technology that can support user applications requiring high-bandwidth, high-performance transport and switching. This connectivity is provided via Permanent Virtual Circuits (PVCs) and/or Switched Virtual Circuits (SVCs) that are implemented over access facilities and switches that are dedicated to high-speed telecommunications services.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.2 Service Components

The major components of ATM CRS are:

UNI Port with Access Line Connection
UNI Port Only Connection
Permanent Virtual Circuit (PVC)
Switched Virtual Circuit (SVC)
Effective Bandwidth

.2.1 UNI Port with Access Line Connection

UNI Port with Access Line Connections, available at the DS1, DS3, OC3c, and OC12c levels, provide dedicated transport between a CDL and an ATM CRS hub. There are two types of UNIs: Full and Incremental. The Full UNI includes all available bandwidth in one rate, and the Incremental UNI is sold and provisioned with PVC and/or SVC bandwidth increments. The DS1 UNI is not offered in increments.

In order for customer traffic to be carried on the network, each Incremental UNI requires at least one
5 Mbps increment of either PVC or SVC bandwidth. The customer may elect to subscribe to multiple PVCs. SVC are established over the UNI via connection identifiers, which enables the customer to have virtual connections to various locations.

UNIs are provided at nominal data rates of 1.5 Mbps (DS1), 45 Mbps (DS3), 155 Mbps (OC3c), or 622 Mbps (OC12c). OC3c and OC12c are provided as a concatenated signal in STS-3c and STS-12c (Synchronous Transport Signal) formats, respectively. The actual throughput into CRS is less than the line rate for the UNI provided.

The rates and charges for a UNI are differentiated by the capacity of the UNI, the location where the UNI originates (i.e., customer-designated premises) and mileage ranges (expressed as tiers) associated with extending the UNI to the wire center designated as the ATM CRS hub.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.2 Service Components (Cont'd)

.2.1 UNI Port with Access Line Connection (Cont'd)

The OC3c and OC12c UNI Port with Access Line Connections are provisioned on Protected or Protected Diverse Synchronous Optical Network (SONET) facilities. SONET is a standards-based fiber optic communication network that transports both asynchronous and synchronous digital signals using the Synchronous Transport Signal (STS) format. ATM OC3c and OC12c Protected SONET UNI Port with Access Line Connections are provisioned over SONET as a survivable service with an alternate (not diverse) facility between the central office and the customer premises. ATM OC3c and OC12c Protected Diverse SONET UNI Port with Access Line Connections are provisioned over SONET as a survivable service with an alternate and diverse path between the ATM CRS hub and the customer premises.

.2.2 UNI Port Only Connection

UNI Port Only Connections can be established as a User Network Interface (UNI) arrangement. The UNI Port Only Connection provides an ATM Cell Relay Network connection based on the port connection speeds of DS1, DS3, OC3c and OC12c. The ATM port speed will be consistent with the channel speed of the access channel. The actual throughput of customer traffic cannot exceed the bandwidth of the access channel and port speed.

UNI Port Only Connections are available as either Incremental or Full. This refers to the bandwidth that is required to provision PVCs on the port. Incremental ports come with no bandwidth and bandwidth is purchased in increments based on customer bandwidth requirements. Full ports come with all bandwidth included up to the maximum rate of the port. Each port can accommodate multiple PVCs or SVCs depending on the bandwidth purchased. UNI Port Only is available on a one (1) year, two (2) year, three (3) year and five (5) year Term Commitment Period.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.2 Service Components (Cont'd)

.2.2 UNI Port Only Connection (Cont'd)

Customers may access Port Only Connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company tariff shall apply in addition to the regulations, rates and charges associated with ATM CRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff. Charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the customer.

.2.3 Permanent Virtual Circuit (PVC)

The PVC defines a virtual connection across a UNI between the customer premises and the Company's ATM CRS hub. Each UNI requires at least one PVC in order for customer traffic to traverse the network. Each ATM cell carries a unique tag which identifies that ATM CRS cell as belonging to a particular PVC. A PVC is a logical channel connecting two or more customer-designated premises with virtual connections through a Company-provided ATM CRS switch(es). The PVCs may be provided on a point-to-point or point-to-multipoint basis. When a PVC is provided as a point-to-point virtual connection, transmission is bi-directional allowing for ATM CRS cells to be transmitted or received over the same PVC. For point-to-multipoint virtual connections, transmission is provided as transmit only. The virtual connection is set up by the Company based on information contained on a service order rather than by dial-up signaling.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.2 Service Components (Cont'd)

.2.3 Permanent Virtual Circuit (PVC) (Cont'd)

PVCs consist of two types: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC is a type of PVC with independent identity and defined service parameters that are provisioned via service order and cannot be altered by the customer without additional service order activity. A VPC is a type of PVC with defined service parameters that is provisioned via service order. Customers may provision their own virtual channels within the VPC, provided that the sum of the service parameters of all of the virtual channels does not exceed the aggregate service parameters of the VPC.

.2.4 Switched Virtual Circuit (SVC)

SVCs are similar in structure to PVCs, but SVCs are provisioned on demand by customer premises equipment that signals the ATM cell relay network to set up and tear down logical connections. The network will respond to these requests by provisioning a virtual connection across the network based on the class of service parameters requested, provided that sufficient network resources are available to establish the connection. Each UNI that is SVC signal enabled will be provided with a SVC International Code Designator (ICD) prefix that will uniquely identify the UNI. Customers must use this Company-assigned prefix when requesting SVC virtual connections across the Company Cell Relay Network. Each Constant Bit Rate (CBR) and Variable Bit Rate (VBR) SVC will be limited to a maximum Peak Cell Rate of 20 Mbps and a maximum Sustained Cell Rate of 20 Mbps.

Closed User Group (CUG) capability is a feature associated with SVCs. A CUG provides the ability to contain SVC calls between certain UNIs. A CUG functionally groups UNIs into logical associations and allows calling privileges to be specified network wide. A CUG provides a network-wide mechanism for access control. CUGs provide a logical grouping of UNIs, creating an SVC community of interest.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.2 Service Components (Cont'd)

.2.5 Effective Bandwidth

Effective bandwidth is the bandwidth reserved for each logical connection (PVC or SVC) that is set up across a UNI. It is based on the Peak Cell Rate (PCR), Sustained Cell Rate (SCR), Maximum Burst Size (MBS), and the class of service parameters selected, i.e., CBR (Constant Bit Rate), VBRrt (Variable Bit Rate real time), VBRnrt (Variable Bit Rate non-real time), or UBR (Unspecified Bit Rate). The total effective bandwidth of all the logical connections on a UNI cannot exceed the total bandwidth available on the UNI. Effective bandwidth prices do not vary by class of service level selected. However, effective bandwidth is consumed in varying degrees based on the class of service parameters selected. The higher the class of service, the more bandwidth will be reserved. A CBR PVC with the same PCR as a VBR PVC will reserve more effective bandwidth.

.3 Technical Specifications

The technical specifications for ATM CRS are delineated in Technical References TR-NWT-001112, GR-1110-CORE, GR-1248-CORE, and SR-3330.

The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

The technical specifications for OC3c and OC12c signals are delineated in GR-253-CORE, Issue 2.

The technical specifications for UNIs are delineated in ATM Forum ATM User Network Interface Specifications V3.0, af-uni-0010.001, and V3.1, af-uni-0010.002. Interface specifications for customer-provided ATM CRS compatible premises equipment or devices must also be in accordance with the specifications defined in these documents.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.4 Provision of Service

ATM CRS includes:

.4.1 A minimum of one UNI Port with Access Line or UNI Port Only connection has a maximum nominal capacity for either DS1 (1.5 Mbps), DS3 (45 Mbps), OC3c (155 Mbps), or OC12c (622 Mbps). The OC3c and OC12c UNIs are provisioned over Protected or Protected Diverse SONET. The Protected and Protected Diverse SONET facilities provide a backup facility that automatically switches in the event of a failure on the primary facility.

.4.2 Unlimited usage on purchased bandwidth.

.4.3 Incremental UNIs must have at least one increment of effective bandwidth (either PVC or SVC) in order for traffic to traverse the network. The DS1, DS3, OC3c, and OC12c Full UNIs are equipped with the full effective bandwidth.

.4.4 Either one or more PVCs. When PVC bandwidth is purchased, one or more PVCs must be selected for customer traffic to traverse the network.

.4.5 Two types of PVCs, (i) Virtual Channel Connections (VCCs) and (ii) Virtual Path Connections (VPCs), which support the following Classes of Service:

a. Constant Bit Rate (CBR)
b. Variable Bit Rate real time (VBRrt)
c. Variable Bit Rate non-real time (VBRnrt)
d Unspecified Bit Rate (UBR)

.5 Tier Structure for Local Serving Offices

Locations (wire centers) that provide ATM CRS have been designated as ATM hubs. Each local serving office has been placed in a Tier 1, 2 or 3, based on its location relative to the closest ATM hub.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.6 Service Functionality

The ATM CRS functionality consists of transporting 53-byte cells of information from the customer location to a Company ATM hub over a UNI. The traffic is routed in the switch to another UNI, or other suitable network connection.

.7 Class of Service Parameters

.7.1 Constant Bit Rate (CBR)

a. Peak/Sustained Cell Rate:

Customer-specified in increments of 64 Kbps up to the maximum speed of the UNI.

b. Non-conforming cells:

Discarded

c. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.7 Class of Service Parameters (Cont'd)

.7.2 Variable Bit Rate (VBR) Real Time/Non-Real Time

a. Sustained Cell Rate (SCR) - Customer specified in increments of 64 Kbps up to the maximum speed of the UNI.

b. Peak Cell Rate (PCR) - Customer selectable in increments of 64 Kbps up to line rate. Default is 200% of SCR for PVCs. (The ratio of PCR to SCR will be signaled by Customer Premises Equipment [CPE] for SVCs. Therefore, there is no default value.)

c. Non-conforming cells - Discarded

d. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds

.8 Special Conditions

.8.1 ATM CRS is available where facilities and conditions permit. For locations where the customer requests ATM CRS and digital, or SONET facilities are not available, special construction charges may apply.

.8.2 Maintenance Window

To meet the customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally, these upgrades will be performed between the hours of 11 PM and 8 AM. Network upgrades are planned to provide customers reasonable and timely notification in order to minimize any impact on the customers' service.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.9 Responsibility of the Customer

The customer must provide the necessary compatible premises equipment or ATM CRS device capable of interfacing with the Company's ATM CRS.

.10 Responsibility of the Company

The Company is responsible for service up to and including the network interface. The Company's responsibility is limited to the furnishing of communications facilities and switches suitable for ATM CRS.

ATM CRS is supported by the Company's Single Point of Contact (SPOC) center, which provides continuous support for ATM CRS 24 hours per day, seven days per week (24x7) with the ability to manage all of the customer's ATM CRS as a single network. The SPOC performs maintenance, trouble resolution and network management functions on a 24x7 basis. Service order processing and network installation functions are performed only during normal business hours.

.11 Application of Rates and Charges

.11.1 Rate Elements

The following rate elements are applicable to ATM CRS:

- UNI Port with Access Line Connection
- UNI Port Only Connection
- Permanent Virtual Circuits (PVCs)
- Effective Bandwidth for Incremental UNIs
- Closed User Groups (CUG)
- Administrative Charge

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.11 Application of Rates and Charges (Cont'd)

.11.1 Rate Elements (Cont'd)

a. UNI Port with Access Line Connection

A monthly rate applies on a per Port with Access Line connection, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, SONET - Protected or Protected Diverse) of the access connection. UNI Port and Access is offered as a one (1) year, two (2) year, three (3) year or five (5) year Term Commitment Period only. Nonrecurring charges are not applicable.

b. UNI Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. UNI Port Only is offered as a one (1) year, two (2) year, three (3) year or five (5) year Term Commitment Period only. Nonrecurring charges are not applicable.

c. Permanent Virtual Circuits (PVCs)

The Administrative Charge does not apply when PVCs are installed at the same time as the respective UNIs.

d. Effective Bandwidth for Incremental UNIs

A monthly rate applies for incremental UNIs for CBR or VBR PVC and SVC bandwidth at 5 Mbps for DS3 or OC3c and at 15 Mbps for OC12c. A monthly rate also applies for incremental UNIs for UBR PVC and SVC bandwidth for DS3, OC3c and OC12c. Nonrecurring charges are not applicable.

The monthly rate for PVC and/or SVC UBR bandwidth will be waived when the combined VBR and CBR effective bandwidth purchased (either SVC or PVC or any combination) is equal to at least 50% of the effective bandwidth capacity of the UNI. When UBR bandwidth is made available, it is available for both PVCs and SVCs. Nonrecurring charges are not applicable.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.11 Application of Rates and Charges (Cont'd)

.11.1 Rate Elements (Cont'd)

e. Closed User Groups (CUG)

A nonrecurring charge applies per order and per UNI for each CUG established and for each subsequent CUG member added to a CUG. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI.

f. Administrative Charge

A nonrecurring charge applies (per order, per UNI) when the customer initiates a change to one or more of the following: UNI bandwidth, PVCs, class of service parameters, and/or other service parameters that do not require changes in physical facilities and that can be provisioned by the Company without the dispatch of a technician to the customer location. For each service order issued, the charge will be one Administrative Charge regardless of the number of changes made. The Administrative Charge does not apply for those items ordered on the same service order with the installation of a UNI.

.11.2 Minimum Charge

The minimum charge for ATM CRS will not be less than one Monthly Recurring Charge (MRC) for the applicable service and term selected, plus Termination Liability as described in Paragraph 3.11.3a. below.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

3. Regulations (Cont'd)

.11 Application of Rates and Charges (Cont'd)

.11.3 Term Commitment Periods

The ATM CRS UNI Port with Access Line Connection and UNI Port Only Connection rate elements are available under a term commitment period.

Term commitments of one (1), two (2), three (3) and five (5) years are available to ATM CRS UNI Port with Access Line Connection and UNI Port Only customers at the applicable rates set forth in Paragraph 4. Rate elements must be ordered under the same term commitment period.

a. Termination Liability

If ATM CRS is terminated by the customer prior to the anniversary date of the initial term commitment period, termination liability charges will apply.

.11.4 Moves

When the customer requests a move or relocation of the UNI, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

.11.5 Special Facilities Routing

The customer may request that the facilities used to provide ATM CRS be specially routed. Additional charges will apply based on cost.

.11.6 Acceptance Testing

At the customer's request, the Company will cooperatively test at the time of installation at no additional charge. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

4. Rates

.1 UNI Port with Access Line Connection

	One Year Monthly Rate	Two Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
.1.1 DS1, each				
Full				
Tier 1 (0 to 5 Miles)	$665.00	$632.00	$565.00	$532.00
Tier 2 (Over 5 to 25 Miles)	$665.00	$632.00	$565.00	$532.00
Tier 3 (Over 25 to 50 Miles)	$665.00	$632.00	$565.00	$532.00
.1.2 DS3, each				
Full				
Tier 1 (0 to 5 Miles)	$3,355.00	$3,187.00	$2,852.00	$2,684.00
Tier 2 (Over 5 to 25 Miles)	$3,947.00	$3,750.00	$3,355.00	$3,158.00
Tier 3 (Over 25 to 50 Miles)	$4,736.00	$4,499.00	$4,026.00	$3,789.00
Incremental				
Tier 1 (0 to 5 Miles)	$2,815.00	$2,674.00	$2,393.00	$2,252.00
Tier 2 (Over 5 to 25 Miles)	$3,312.00	$3,146.00	$2,815.00	$2,649.00
Tier 3 (Over 25 to 50 Miles)	$3,974.00	$3,775.00	$3,378.00	$3,179.00

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

4. Rates (Cont'd)

.1 UNI Port with Access Line Connection (Cont'd)

	One Year Monthly Rate	Two Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
.1.3 OC3c, each				
SONET				
Full, Protected				
Tier 1 (0 to 5 Miles)	$6,330.00	$6,014.00	$5,381.00	$5,064.00
Tier 2 (Over 5 to 25 Miles)	$7,447.00	$7,075.00	$6,330.00	$5,958.00
Tier 3 (Over 25 to 50 Miles)	$8,936.00	$8,489.00	$7,596.00	$7,149.00
Full, Protected Diverse				
Tier 1 (0 to 5 Miles)	$7,730.00	$7,344.00	$6,571.00	$6,184.00
Tier 2 (Over 5 to 25 Miles)	$9,094.00	$8,639.00	$7,730.00	$7,275.00
Tier 3 (Over 25 to 50 Miles)	$10,913.00	$10,367.00	$9,276.00	$8,730.00
Incremental, Protected				
Tier 1 (0 to 5 Miles)	$4,410.00	$4,190.00	$3,749.00	$3,528.00
Tier 2 (Over 5 to 25 Miles)	$5,188.00	$4,929.00	$4,410.00	$4,151.00
Tier 3 (Over 25 to 50 Miles)	$6,226.00	$5,915.00	$5,292.00	$4,981.00
Incremental, Protected Diverse				
Tier 1 (0 to 5 Miles)	$5,810.00	$5,520.00	$4,939.00	$4,648.00
Tier 2 (Over 5 to 25 Miles)	$6,835.00	$6,493.00	$5,810.00	$5,468.00
Tier 3 (Over 25 to 50 Miles)	$8,202.00	$7,792.00	$6,972.00	$6,562.00

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

4. Rates (Cont'd)

.1 UNI Port with Access Line Connection (Cont'd)

	One Year Monthly Rate	Two Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
.1.4 OC12c, each				
SONET				
Full, Protected				
Tier 1 (0 to 5 Miles)	$19,560.00	$18,582.00	$16,626.00	$15,648.00
Tier 2 (Over 5 to 25 Miles)	$23,012.00	$21,861.00	$19,560.00	$18,409.00
Tier 3 (Over 25 to 50 Miles)	$27,614.00	$26,233.00	$23,472.00	$22,091.00
Full, Protected Diverse				
Tier 1 (0 to 5 Miles)	$21,160.00	$20,102.00	$17,986.00	$16,928.00
Tier 2 (Over 5 to 25 Miles)	$24,894.00	$23,649.00	$21,160.00	$19,915.00
Tier 3 (Over 25 to 50 Miles)	$29,873.00	$28,379.00	$25,392.00	$23,898.00
Incremental, Protected				
Tier 1 (0 to 5 Miles)	$13,000.00	$12,350.00	$11,050.00	$10,400.00
Tier 2 (Over 5 to 25 Miles)	$15,294.00	$14,529.00	$13,000.00	$12,235.00
Tier 3 (Over 25 to 50 Miles)	$18,353.00	$17,435.00	$15,600.00	$14,682.00
Incremental, Protected Diverse				
Tier 1 (0 to 5 Miles)	$14,600.00	$13,870.00	$12,410.00	$11,680.00
Tier 2 (Over 5 to 25 Miles)	$17,176.00	$16,317.00	$14,600.00	$13,741.00
Tier 3 (Over 25 to 50 Miles)	$20,612.00	$19,581.00	$17,520.00	$16,489.00

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ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [2] (C)

4. Rates (Cont'd)

.2 UNI Port Only Connection

	One Year Monthly Rate	Two Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
.2.1 DS1, each				
Full	$347.00	$330.00	$295.00	$278.00
.2.2 DS3, each				
Full	$1,224.00	$1,163.00	$1,040.00	$979.00
Incremental	$588.00	$559.00	$500.00	$471.00
.2.3 OC3c, each				
Full	$3,200.00	$3,040.00	$2,720.00	$2,560.00
Incremental	$941.00	$894.00	$800.00	$753.00
.2.4 OC12c, each				
Full	$11,247.00	$10,685.00	$9,560.00	$8,998.00
Incremental	$3,529.00	$3,353.00	$3,000.00	$2,824.00

.3 Permanent Virtual Circuits (PVCs), per order — Nonrecurring Charge [1]

.3.1 Virtual Channel Connections (VCCs)

Constant Bit Rate (CBR)	$75.00
Variable Bit Rate real time (VBRrt)	$75.00
Variable Bit Rate non-real time (VBRnrt)	$75.00
Unspecified Bit Rate (UBR)	$75.00

.3.2 Virtual Path Connections (VPCs)

Constant Bit Rate (CBR)	$75.00
Variable Bit Rate real time (VBRrt)	$75.00
Variable Bit Rate non-real time (VBRnrt)	$75.00
Unspecified Bit Rate (UBR)	$75.00

[1] Applies per order and in lieu of service charges found elsewhere in this Catalog or other Company Catalogs. If multiple UNIs are involved, a nonrecurring charge will apply to each UNI Port on which the virtual connections will reside. The nonrecurring charge does not apply when PVCs are installed at the same time as the respective UNIs.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

ASYNCHRONOUS TRANSFER MODE (ATM) CELL RELAY SERVICE (CRS) - Grandfathered [1] (C)

4. Rates (Cont'd)

		Monthly Rate	Nonrecurring Charge
.4	Effective Bandwidth for Incremental UNIs		
.4.1	CBR or VBR PVC Bandwidth		
	DS3, OC3c – 5 Mbps	$80.00	N/A
	OC12c – 15 Mbps	$200.00	N/A
.4.2	CBR or VBR SVC Bandwidth		
	DS3, OC3c – 5 Mbps	$80.00	N/A
	OC12c – 15 Mbps	$200.00	N/A
.4.3	UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate		
	DS3	$400.00	N/A
	OC3c	$1,200.00	N/A
	OC12c	$4,000.00	N/A
.5	Closed User Groups (CUG) [1], per order, per UNI		
.5.1	Each CUG	N/A	$75.00
.5.2	Each subsequent CUG member added to a CUG	N/A	$75.00
.6	Administrative Charge [2], per order	N/A	$75.00

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Catalog or other Company Catalogs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI.

[2] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Catalog or other Company Catalogs. The nonrecurring charge does not apply for those items ordered on the same service order with the installation of a UNI.

[3] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

DEDICATED SONET RING (DSR)

1. Application

   This section contains definitions, regulations and charges applicable to the provision of Dedicated SONET Ring (DSR) Service, where conditions and facilities permit. DSR, as provided for in this catalog, is offered for intraexchange, interexchange, intraMSA or interMSA applications on an intrastate basis.

2. Definitions

   Add/Drop Multiplexing, (ADM) - a multiplexing function that allows lower level signals to be added or dropped from an optical carrier channel.

   Node - a DSR rate element and a designation of either a customer location or CO on a SONET ring that has ADM capability. It is also the address of where a lower speed service originates or terminates on a ring.

   Fiber Path Diversity - the provision of service using at least two fibers placed on physically separate paths, i.e., different conduit runs that do not pass through the same manhole(s). The cable paths are separated by at least 25 feet.

   GigE - an Ethernet circuit offered at the port level over DSR. Ethernet frames are mapped into STS1, STS-N, STS-Nv or STS-Nc SONET frames.

GigE Channel	Transport Bandwidth	Approximate Throughput	Effective SONET Payload Capacity
GigE-1	(1) STS1 or STS1-1v	50 Mbps	49.536 Mbps
GigE-3	(1) STS-3 or STS1-3v	150 Mbps	149.760 Mbps
GigE-6	(1) STS-6 or STS1-6v	300 Mbps	299.520 Mbps
GigE-9	(1) STS-9 or STS1-9v	450 Mbps	449.280 Mbps
GigE-12	(1) STS-12 or STS1-12v	600 Mbps	599.040 Mbps
GigE-24	(1) STS1-21v	1000 Mbps	984.960 Mbps
GigE-24	(1) STS-24	1000 Mbps	1,198.080 Mbps

DEDICATED SONET RING (DSR)

2. Definitions (Cont'd)

Optical Carrier Rate, (OC #) - a SONET transmission signal/speed, line rate, or service. The rates are in multiples of an OC1, which is equivalent to a STS1 (51.84 Mbps), SONET's basic rate.

OC (#) Rate	Bandwidth Capacity
3	155.52 Mbps
12	622.08 Mbps
48	2.488 Gbps
192	9.952 Gbps

Optical Carrier Rate Concatenated (OC #c) - a "clear channel" SONET transmission using only one framing format. Generally, an OC3 signal provides three STS1 frame formats with 3 overheads for a total capacity of 2268 bytes per Synchronous Payload Envelope (SPE) frame. For example, in an OC3c signal, one STS3c frame format is used with one overhead, increasing the total payload capacity to 2340 bytes per SPE frame.

DSR Port (Port) - a DSR rate element that denotes the interface at which a lower speed service terminates or originates at a DSR node. The port charge applies both at the entrance to and the exit from the ring.

Port Node - An arrangement on a DSR that interconnects the main DSR ring with a subtending DSR ring.

Subtending Ring - A DSR service that subtends (interconnects with) a DSR main ring.

Synchronous Optical Network (SONET) - an international standard for the transmission of high capacity bandwidth over optical facilities. This synchronous transmission platform utilizes a modular multiplexing approach. Because of the large bandwidth, some of the payload is used to monitor, protect, manage and improve the transmission of the signal.

Synchronous Transport Signal Level (STS1) - a 51.84 Mbps signal that is the electrical equivalent of the OC1 or a DS3 with additional Mbps devoted to SONET overhead information. An STS1 can carry a DS3 or 28 DS1s when specifically formatted (mapped). These DS1s may be accessed off-ring using the cataloged DS3 to DS1 multiplexing optional service or via a DS3 Transmux port.

DEDICATED SONET RING (DSR)

2. Definitions (Cont'd)

Transmuxing - the function of a DSR DS3 Transmux port that performs a DS3 to DS1 conversion at a DSR Node. The DS3 to DS1 conversion allows a single DSR DS3 Transmux port to be associated with up to twenty-eight (28) VT1.5 mapped DSR DS1 ports. Transmuxing within the DSR network retains DS1 visibility, allowing for proactive maintenance capability of DS1 signals.

Virtual Tributary (VT) - a SONET structure designed for transport of sub-STS1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal.

3. Regulations

.1 Description of Service

Frontier Dedicated SONET Ring (DSR) is an optical high-capacity service using SONET-based technology.

DSR provides the customer a dedicated, high-capacity customized network. The network is a ring architecture that provides connectivity to multiple customer locations. Full rings may subtend (interconnect with) each other as described in 3.3.2 following.

A full ring must have a minimum of three nodes. At least one of the nodes must be located in a Company Central Office (CO) and one at a customer premises.

DSR is an alternative to basic High Capacity point-to-point service between multiple customer locations. Monthly rate elements include ports, nodes, mileage and optional features (e.g., Customer Network Management capabilities). Rates are specified in Paragraph 4. following.

.2 Technical Specifications

Technical specifications are delineated in the following publications:

- Telcordia Document GR-253-CORE; Issue 2, December 1995; Revision 1, December 1997 "Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria;"

- Telcordia Document GR-1374-CORE; Issue 1, December 1994; "SONET Inter-Carrier Interface Physical Layer Generic Criteria for Carriers;"

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DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.2 Technical Specifications (Cont'd)

Technical specifications are delineated in the following publications: (Cont'd)

- American National Standard, ANSI T1.105-1995; "Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats;"

- Telcordia Document GR-1377-CORE; Issue 5, December 1998; "SONET OC192 Transport System Generic Criteria;"

- American National Standard, ANSI X3.802.3, Telecommunications and information exchange between systems-Local and Metropolitan Areas Networks-Specific Requirements-Part 3, Released 1998; and,

- American National Standard, ANSI X3.802.3z, Supplement to Standard for Information Technology-Local and Metropolitan Area Networks, Part 3, Released 1998.

.3 Provision of Service

.3.1 All Rings

When a customer premises node is located in the same building as a Central Office node, there may not be diversity between the two nodes.

Generally, a transmission of twenty (20) or more miles or a transmission through six (6) or more COs will be subject to loss of signal integrity. Additional nodes may be added to maintain signal integrity.

The customer specifies the ring capacity in terms of optical carrier rates. DSR is available in capacities of OC3, OC12, OC48 and OC192. Lower speed services are provided between nodes via ports.

DSR is deployed upon customer request and is available based on negotiated installation intervals. Where suitable SONET facilities are not available, Special Construction rates and charges may apply.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.1 All Rings (Cont'd)

The customer must provide, at no cost to the Company, suitable and secure space, suitable environmental conditions**,** and uninterrupted power supply, building entrance facilities, and conduit for placement of the facilities and network equipment at its locations as necessary to provide the service.

The customer will be billed additional charges for any charges levied to the Company for space and power required to place ADMs on the Company's side of the network interface.

The customer may provide a single node and associated port equipment at one of its premises subject to compatibility with the Company's equipment in the CO's. This compatibility requires that the customer, at its own expense, uses matching vendor's equipment and maintains the same vintage in software release as the Company. Upon written notification from the Company, the customer has 60 days in which to complete the change out of software. In addition, the customer must configure the node to limit access to the data communications channel of the node.

The Company cannot ensure the performance monitoring of the ring when it is equipped with customer provided nodes.

One or more lower speed node(s) may subtend a higher speed node (e.g., an OC12 node may subtend an OC192 node). Rates and charges apply for both the higher speed node and for each subtending lower speed node provided. Additionally, the appropriate port charge will apply to connect the higher speed node to the subtending lower speed node.

More than one lower speed enhanced node may subtend the same higher speed enhanced node.

The connection between the higher and lower speed nodes is a SONET facility (Subtending Node Facility) between an OCN port on the higher speed node and the lower speed node. OCN ports arranged in this asymmetrical configuration are provided in accordance with 3.3.2 following and must be of the same optical carrier rate as the OCN port on the higher speed node.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.1 All Rings (Cont'd)

When the higher speed enhanced node is located at a customer designated premises, the subtending node(s) must be located at the same customer designated premises

When the higher speed enhanced node is located at a Company wire center, the subtending node(s) may be located within that same wire center or extended to a customer designated premises that is served by that wire center or by a different wire center. When extending the subtending node to a customer designated premises, the SNF is subject to a channel extension charge. When the customer designated premises is not served by the same wire center where the higher speed enhanced node is located, mileage applies between the wire centers involved. Mileage applies in addition to the channel extension charge.

When High Capacity DS1 and DS3 services from this tariff, Ill. C.C. No. 15, or the Company's FCC Tariff No. 5, are connected to a DSR from an off-ring location, applicable port charges will be assessed in lieu of SALs for the on-ring portion of the circuit. The off-ring portion of the circuit will be covered by the applicable rates, terms and conditions of Ill. C.C. No. 15 or FCC No. 5. The applicable rates, terms and conditions are based on the catalog jurisdiction of the circuit.

Ethernet services are provided on a point-to-point basis between two suitably equipped DSR nodes.

Connection of ethernet or optical private line services to a DSR will be provided on an Individual Case Basis (ICB). When connected to a DSR, such services will be charged as ports and will be subject to terms and conditions in Paragraph 3.3.5 following.

When DSR is ordered under a meet point billing arrangement in which the Company acts as an intermediate carrier as set forth in the Company's FCC Tariff No. 5, at least one node of the DSR ring must be in a Company central office.

The rates, terms and conditions contained in this catalog for the provision of DSR are applicable to customers whose interstate traffic on the service constitutes 10% or less of the total traffic on that service.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.1 All Rings (Cont'd)

With the order for DSR service, the customer will provide to the Company an estimate of whether the interstate traffic will comprise more than 10%, or less than 10% of total traffic. For existing services, the Company will ask the customer to provide the data the customer uses to determine the percentages of the jurisdiction of their services. See Ill. C.C. No. 15, for conditions.

If the customer's estimate of the interstate traffic on the service involved constitutes more than 10% of the total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of the appropriate interstate tariff.

The facilities for intrastate access provided under this tariff shall be maintained by the Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities for intrastate access provided by the Company, other than by connection or disconnection to any interface means used, except with the written consent of the Company.

.3.2 Subtending Rings

The customer may interconnect two or more full rings in a subtending ring configuration subject to the following:

a. One of the DSR full rings must be designated as the main ring from which the other DSR full ring(s) will subtend. The main ring must be of equal or greater capacity than each DSR full ring that subtends the main ring. For example, a main ring that is an OC12 DSR can have an OC3 and/or OC12 subtending ring but cannot have an OC48 subtending ring. The number of rings that can subtend a main ring may be limited by the type and capacity of the nodes and port configuration specific to the customer's overall DSR service configuration.

b. Interconnection between the main ring and the subtending ring requires a port node. A port node provides high speed interconnection between an enhanced node on the main ring and the high-speed facilities of the subtending ring. Each subtending ring requires one port node where the subtending ring is interconnected to an enhanced node on the main ring. Interconnection between the main ring and a subtending ring may occur at a customer designated premises or within a Company wire center where such nodes are located. A maximum of two (2) interconnection points with the main ring are allowed per subtending ring.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.2 Subtending Rings (Cont'd)

c. Only DSR full rings that utilize suitably equipped enhanced nodes can be arranged in subtending ring configurations. DSR full rings that utilize nodes that are not enhanced will not be arranged in a subtending ring configuration(s).

d. Each DSR full ring included in a subtending ring configuration must be arranged as a unidirectional path switched ring (UPSR) and must use nodes that are enhanced. Bidirectional path switched rings (BLSR) may not be arranged in subtending ring configurations.

e. Where two (2) points of interconnection between the subtending ring and the main ring are provided, circuits originating on the main ring may be mapped to the subtending ring and circuits originating on the subtending ring may be mapped to the main ring. Channels mapped across the two interconnecting nodes are subject to Dual Node Cross-connect Channel Mapping charges as described in (l) following.

f. The main ring and any subtending rings associated with the main ring must individually meet the minimum requirement of three nodes. However, only one node for the entire service configuration must be located in a Company wire center. For example, if the main ring has one node located in a Company wire center and two nodes located at customer designated premises, the subtending ring(s) need not have a node that is located in a Company wire center.

(i) When determining if the minimum number of nodes on a subtending ring has been met, the port node providing interconnection to the main ring is included in the count.

(ii) When determining if the minimum number of nodes on a subtending ring has been met, the enhanced node on the main ring that interconnects with the subtending ring is not included in the count.

g. Each subtending ring may only interconnect with one main ring.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

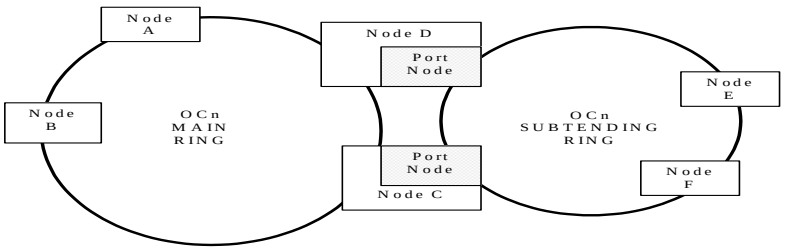
.3 Provision of Service (Cont'd)

.3.2 Subtending Rings (Cont'd)

h. Subtending ring configurations may be established using new DSR full rings, existing DSR full rings, or a combination of new and existing DSR full rings.

i. All DSR rings in the same subtending ring configuration must be for the same customer of record.

j. An example of a subtending ring configuration with two (2) points of interconnection to the main ring is diagrammed below:



Applicable rate elements:

- Nodes (6)
- Port Node (2)
- Mileage for circumference of Main Ring
- Mileage for circumference of Subtending Ring

k. Lower speed services provided over DSR must ingress at a node on either ring (the main ring or the subtending ring) and egress DSR at a node on either ring (the subtending ring or the main ring). A single port charge applies at the point of ingress and a single port charge applies at the point of egress, unless the ingress and/or egress occurs via an asymmetrical port facility, in which case a separate port charge will not apply for each such ingress or egress.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.2 Subtending Rings (Cont'd)

l. At the customer's option, a lower level service may interconnect the main and one or more of the subtending rings through two separate points of interconnection with each subtending ring. In this case, a Dual Node Cross-connect Charge applies per lower level service provided across the two interconnecting port nodes, regardless of the number of subtending rings involved. The Dual Node Cross-connect Charge does not apply when a lower level service interconnects the main and subtending rings through a single point of interconnection.

m. In the event that the customer elects to remove the subtending arrangement ring configuration and make the subtending ring a full DSR that is independent from the main ring, the independent ring must meet all of the requirements for a DSR full ring as set forth in 3.3.1 preceding. This may require the addition of an additional node in order to satisfy the minimum node requirement for a single, independent ring.

.3.3 Mileage

DSR Mileage on a full ring is the total of airline miles between nodes rounded up to the nearest mile.

The mileage rate is based on total ring capacity and not on individual services between nodes. For example, the mileage charge for a four-node OC3 ring with 5.1 miles between each node (20.4 total miles) would be calculated by multiplying the OC3 mileage rate by 21 miles. This mileage calculation applies regardless of the number of services (e.g., DS3s) on the ring.

.3.4 Port Node

A port node allows interconnection between two full DSR rings. One of the rings will be designated as the main ring and the other ring is designated as a subtending ring.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports

The type of ports that are supported on a node may limit the maximum number of ports that are provided on that node. Accepted port speeds are as follows:

Nodes =	OC3	OC12	OC48	OC192
DS1 Ports	X	X	X	X
DS3 Ports	X	X	X	X
DS3 Transmux Ports	X	X	X	X
STS1 Ports	X	X	X	X
OC3 Ports		X	X	X
OC3c Ports		X	X	X
OC12 Ports			X	X
OC12c Ports			X	X
OC48 Ports				X
OC48c Ports				X
Ethernet Ports				
GigE - 1 Port	X	X	X	X
GigE - 3 Ports		X	X	X
GigE - 6 Ports		X	X	X
GigE - 9 Ports		X	X	X
GigE - 12 Ports			X	X
GigE - 24 Ports			X	X
Storage Interface Ports				
Fibre Channel at 1Gbps		X	X	
FICON at 1Gbps		X	X	

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

Upon installation of a new ring, the customer must provide the Company with an initial port requirement and a forecast of future port requirements on each node, which the Company will utilize when engineering the port configuration for that node.

Changes in month-to-month ports are treated as disconnects and subsequent installations.

When High Capacity services are provided between two DSR rings, the associated ports must be symmetrical. (e.g., DS1 Port to DS1 Port, DS3 Port to DS3 Port)

When a lower capacity service is connected to a DSR, the associated ports will be billed to the lower capacity service.

When a lower capacity service is provided between two separate asymmetric port facilities (APF) on the same DSR, the Company must map the facility assignment on the first APF to the facility assignment on the second APF for which an Asymmetrical Port Mapping Nonrecurring Charge applies per lower capacity service mapped.

When a customer transmits STS1, the mapping feature must be designated. The customer must indicate mapping of either individual STSs or concatenated STSs on the ASR.

Ethernet services are provided on a point-to-point basis between two suitably equipped DSR nodes.

Extended Superframe Format (ESF) is required on all DS1 circuits.

Ports may be ordered in a symmetrical arrangement (e.g., DS3 Port to DS3 Port), an asymmetrical arrangement (see table following) or in certain transmuxing arrangements as specified following.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

When DS3 transmuxing arrangements are ordered, the following conditions apply:

- The DS3 Transmux Port may connect to Special Access DS3 service as specified in Ill. C.C. No. 15 and FCC No. 14 for Special Access.

- The DS3 Transmux Port performs a DS3 to a DS1 conversion at a DSR node. The DS3 to DS1 conversion allows a single DSR DS3 Transmux port (which includes a DS3 Transmux Facility to which the DS1 circuits are mapped) to be a facility associated with up to twenty-eight (28) VT1.5 mapped DSR DS1 circuits.

- A DS1 port associated with a DS3 Transmux port may not coexist as a separate DS1 port within the same DSR node.

- An end-to-end DS1 service provided over DSR may not be associated with more than one DS3 Transmux port.

- DS3 Transmux ports are available at customer premises and central office nodes.

- DS3 Transmux ports are available at a premises node or at a wire center node.

- When a DS3 Transmux port is utilized on an enhanced node located in a Company wire center, such port must be connected to DS3 High Capacity Service.

- The higher speed port of an asymmetrical port combination will be mapped based on the speed of the connecting service and port.

- DS3 Transmux Ports utilize a DS3 Transmux Facility to which VT1.5 mapped DS1 services are associated. Such DS1 services will be provisioned after ordering the associated DS3 Transmux port facility. Transmuxing is only available where suitable facilities and equipment exist to provide the DS3 Transmux Port.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

Asymmetrical ports allow lower level services to be added to, and dropped from DSR, using ports with different transmission rates. For example, a DS1 channel can be added to the ring via a DS3 port and dropped from the ring via a DS1 port. These lower level services may originate and/or terminate at locations that are on or off of the DSR.

For OCN ports, the port with the higher transmission rate provides a facility (Asymmetrical Port Facility or APF, also referred to as a Stub Hub) which is channelized to individual services requiring lower capacity facilities and lower capacity ports. Only one such higher transmission rate OCN port applies per asymmetrical port facility. The number of lower capacity services that can utilize the same APF is limited by the total STS1 capacity of the connecting services. Available transmission rates for the APF are dependent on the capacity of the port to which it is connected. For example, an OC12 APF cannot be established on an OC3 Port. Additionally, the capacity of the port is dependent on the capacity of the node involved.

The APF provides a two-point channelized facility between a customer designated premises or Expanded Interconnection arrangement and the higher transmission rate port of the asymmetrical port combination. Such port may be associated with a node that is located at either the customer designated premises or within a Company wire center.

a. When the APF is located at the customer's designated premises, the APF facility is provided between the customer's designated premises and the port on the associated node located at that same premises. Rates and charges for the port apply in accordance with the terms and conditions set forth in 3.5 following.

b. When the APF is located in a Company wire center and the APF connects to a customer designated premises that is served by the same wire center, an asymmetrical port channel extension applies to extend the APF to the customer designated premises. Rates and charges for the asymmetrical port channel extension apply in addition to the rates and charges for the port under 4. following.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

c. When the APF is located in a Company wire center and the APF connects to a customer designated premises that is served by a different wire center, an asymmetrical port channel extension and mileage applies to extend the APF to the customer designated premises. Rates and charges for the asymmetrical port channel extension and mileage apply in addition to the rates and charges for the port under 4. following.

d. When the APF is located in a Company wire center and the APF connects to an Expanded Interconnection arrangement that is located within the same wire center as the node, a port charge applies as set forth in 4. following.

e. When the APF is located in a Company wire center and the APF connects to an Expanded Interconnection arrangement that is not located within the same wire center where the node is located, mileage applies to extend the APF to the Collocation Interconnection arrangement. Rates and charges for the mileage apply in addition to the rates and charges for the port under4. following.

f. For c. through e. preceding, special access line charges from Ill. C.C. No. 15, apply in addition to the port, asymmetrical port channel extension and mileage charges.

Storage Interface Ports

The FICON Storage Interface Port provides an optical transport channel for transmission of 1Gbps Fibre CONnection among mainframes, storage devices and on a single channel. A FICON signal is limited to a maximum distance of 100km (physical route kilometers) between the locations involved.

The Fibre Channel Storage Interface Port provides an optical transport channel for transmission of 1Gbps signals in a serial link between supercomputers, mainframes, workstations, desktop computers, storage devices, displays and other peripherals. A Fibre Channel signal is limited to a maximum distance of 100 km (physical route kilometers) between the locations involved.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

Asymmetrical ports are available in the following combinations:

Ring Capacity	Node Speeds	APF Rate	Asymmetrical Port Combination
OC3 DSR Ring	OC3 – OC3	STS1	STS1 – DS3 STS1 – DS1
OC12 DSR Ring	OC12 – OC12	OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 OC3 – GigE3 OC3 – GigE1
OC48 DSR Ring	OC48 – OC48	OC12	OC12 – OC3 OC12 – OC3c OC12 – STS1 OC12 – DS3 OC12 – DS1 OC12 – GigE12 [1] OC12 – GigE9 [1] OC12 – GigE6 [1] OC12 – GigE3 [1] OC12 – GigE1 [1]
		OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 OC3 – GigE3 [1] OC3 – GigE1 [1]

[1] For Ethernet (GigE) port options, the associated Ethernet Service must be SONET mapped.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.5 DSR Ports (Cont'd)

Asymmetrical ports (Cont'd)

Ring Capacity	Node Speeds	APF Rate	Asymmetrical Port Combination
OC192 DSR Ring	OC192 – OC192	OC48	OC48 – OC12 OC48 – OC12c OC48 – OC3 OC48 – OC3c OC48 – STS1 OC48 – DS3 OC48 – DS1 [1] OC48 – GigE24 [1] OC48 – GigE12 [1] OC48 – GigE9 [1] OC48 – GigE6 [1] OC48 – GigE3 [1] OC48 – GigE1 [1]
		OC12	OC12 – OC3 OC12 – OC3c OC12 – STS1 OC12 – DS3 OC12 - DS1 [1] OC12 – GigE12 [1] OC12 – GigE9 [1] OC12 – GigE6 [1] OC12 – GigE3 [1] OC12 – GigE1 [1]
		OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 [1] OC3 – GigE3 [1] OC3 – GigE1 [1]

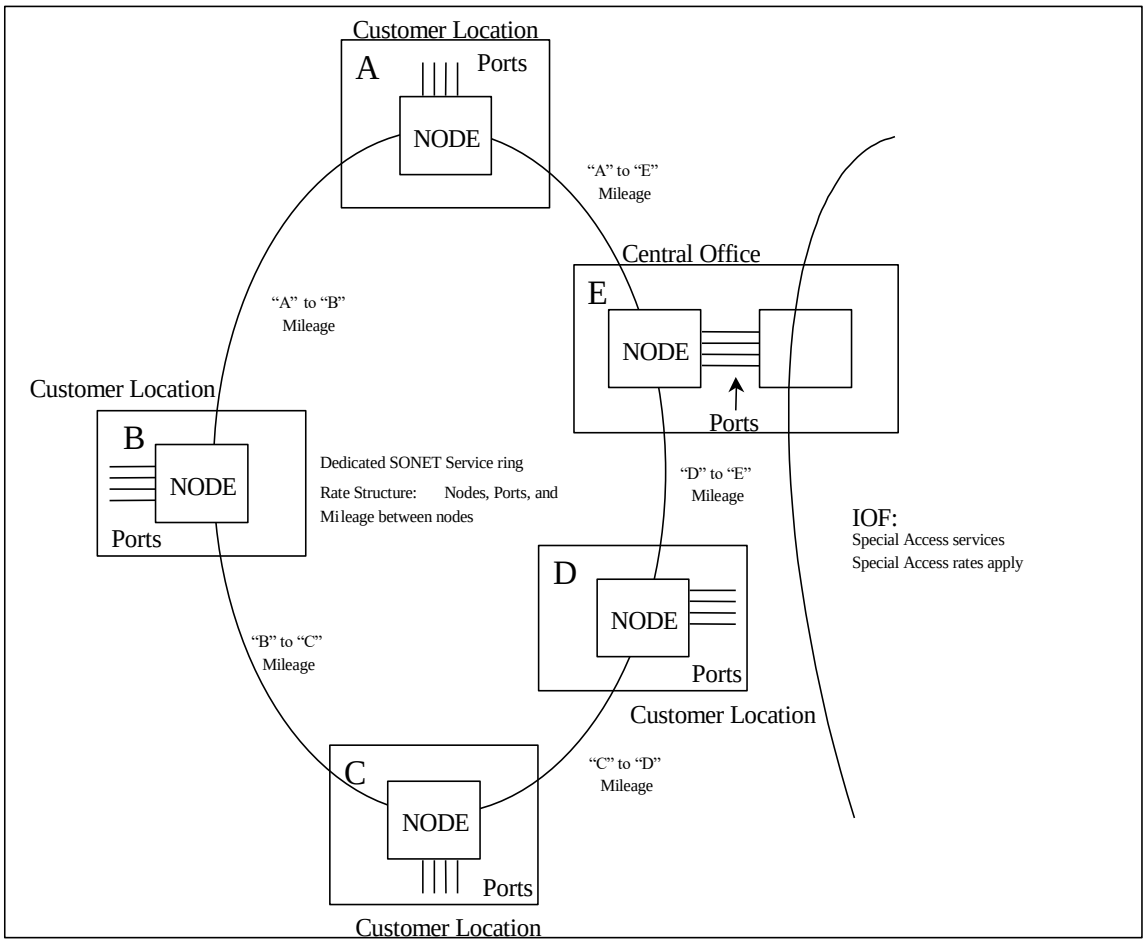
[1] For Ethernet (GigE) port options, the associated Ethernet Service must be SONET mapped.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.3 Provision of Service (Cont'd)

.3.6 An example of a Frontier Dedicated SONET Ring (DSR) ring is diagrammed below:



General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.4 Optional Feature – Customer Network Management

.4.1 Description of Service

The customer has the option of purchasing Customer Network Management for use with DSR service provided by the Company. In order to purchase an Optional Feature, the customer must be subscribed to a DSR service and must use such DSR service in conjunction with the selected Optional Feature.

Optional Feature Customer Service Management (CSM) provides a customer with real-time information about the operational status of its DSR network and the ability to reconfigure lower level services riding the DSR ring. Three (3) Service Levels of support are offered for CSM. Each Service Level provides different functionalities to which the customer may gain access. These functionalities are described in the following paragraphs and include access to real-time information about the customer's DSR network, the ability to generate reports, and the ability to reconfigure lower level services riding the DSR ring.

.4.2 Provision of Service

The customer must utilize Internet web access to connect its customer-provided terminal equipment to the Company's CSM management system. Access to the Internet and any associated rates and charges are the responsibility of the customer. The customer is also responsible for obtaining communications software that is compatible with the software the Company utilizes to provide CSM. The Company will work cooperatively with the customer to determine compatibility of its communications software.

CSM may be installed at the same time as the associated DSR ring or may be added to an existing ring, subject to the provisions set forth in 3.4.3, Application of Rates and Charges.

The customer may subscribe to CSM only if the Company provides all nodes on the ring.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.4 Optional Feature – Customer Network Management (Cont'd)

.4.2 Provision of Service (Cont'd)

When ordering CSM, the customer must specify the level of CSM support as one of the following three (3) Service Levels.

Level 1 support provides a network view of real-time detection and reporting of network alarm conditions within the customer's DSR network.

Level 2 support provides the same support described in Level 1 along with the ability for the customer to generate basic network performance reports for its DSR network. Basic reports are available at no additional charge to the customer. The customer may also request network performance reports that are customized to meet their specific needs. Rates and charges for customized reports are provided on an individual case basis (ICB) only.

Level 3 support provides the same support described in Levels 1 and 2 along with the ability to reconfigure (re-map) the end points of lower level services riding the ring.

Reconfiguration using CSM consists of re-mapping the end point of a primary circuit to its preplanned (backup) port location. The customer must specify a preplanned port location for each primary circuit installed. The preplanned port location is a backup location that is activated and de-activated when a primary circuit is reconfigured at the request of the customer via the CSM platform. A reconfiguration is limited to the mapping of one primary circuit to its assigned preplanned location. For each pre-planned port location, a monthly recurring rate and a nonrecurring installation charge apply per port.

A Company Performed Reconfiguration charge will apply when the customer requests that the Company perform a reconfiguration of service on its behalf. This charge does not apply when a customer performs its own service reconfiguration.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.4 Optional Feature – Customer Network Management (Cont'd)

.4.2 Provision of Service (Cont'd)

Reconfiguration is not permitted on services arranged in the following service configurations:

Switched Access Service;
Service provided under a shared use arrangement;
Service associated with Customized Multiline Telephone Service or Primary Rate ISDN services; or
Primary circuits for which the customer has not specified a preplanned backup location.

The type of nodes deployed within the DSR network may limit reconfiguration capability.

When CSM is added to an existing ring, the customer must designate which existing circuits are being made reconfigurable. Nonrecurring charges as set forth in 4.5 will apply. The Company's ability to provide CSM on a particular ring may be limited by the overall configuration of that ring. Reconfiguration is limited to those circuits that originate and/or terminate on the ring (i.e., at locations served by a node on the ring) and utilize ports that are symmetrical. For circuits that originate or terminate off the ring (i.e., at locations not served by a node on the ring), the reconfiguration is limited to customer premises node locations on the ring.

.4.3 Application of Rates and Charges

CSM rates and charges apply in addition to any applicable DSR rates and charges. Unless otherwise indicated below, CSM rates and charges apply regardless of the Service Level selected by the customer.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.4 Optional Feature – Customer Network Management (Cont'd)

.4.3 Application of Rates and Charges (Cont'd)

Monthly Recurring Charges

A CSM Service Level rate applies for each DSR ring provided with CSM.

For customers subscribing to Service Level 3 support, a preplanned port rate applies in addition to the DSR port rate for each preplanned port location established.

Nonrecurring Charges

A Node Setup charge applies for each node that is equipped with CSM at the time that CSM is initially established on the ring.

An Initial CSM Setup charge applies for establishment of the customer's initial CSM database partition. The initial CSM database partition includes setup for up to six (6) users. A database partition is a dedicated portion of the CSM platform that can only be accessed by a specific set of users designated by the customer.

A Setup of Additional Partition or Change in CSM Service Level charge applies for the setup of an additional CSM database partition created for the same customer or to change from one CSM service level to another (e.g., change Service Level 2 to Service Level 3). Each additional CSM database provides for the setup of up to six (6) additional users.

A Setup of Additional Users charge applies for the setup of up to six (6) additional users beyond those provided with the initial database setup when CSM is initially established on the ring.

An Add/Remove Node charge applies for each node that is subsequently added to, or removed from, a ring that has already been equipped to provide CSM.

A Company Performed Reconfiguration charge applies for Service Level 3 customers only when the customer requests that the Company perform a reconfiguration based on its pre-mapping instructions.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.4 Optional Feature – Customer Network Management (Cont'd)

.4.3 Application of Rates and Charges (Cont'd)

Nonrecurring Charges (Cont'd)

A Consultation and Support charge applies for each thirty (30) minutes or fraction thereof that the customer requests Company consultation and support of its CSM network. This charge does not apply during initial setup of CSM on the ring.

A Preplanned Port charge applies for Service Level 3 customers only for each preplanned port location that is established during the initial establishment of CSM on the ring.

CSM Service Level is provided under a term plan of 3 years or 5 years.

The duration of the term plan for CSM Service Level must be the same duration as the term plan for the DSR nodes provided with CSM.

The customer has the option of subscribing to Preplanned Ports on a month-to-month basis or under a term plan of 3 or 5 years. At the expiration of its 3- or 5-Year term plans for CSM Service Levels or Preplanned Ports, the customer has the option of extending CSM Service Level or Preplanned Ports with a coterminous end date.

The expiration date of each CSM Service Level added subsequent to the initial installation must be coterminous to the expiration date of the associated DSR service, provided that the addition is prior to the 21st month for a 3-Year plan, or prior to the 36th month for a 5-Year plan. A CSM added after the aforementioned periods requires extension of the commitment period for the associated DSR service. Such extension results in the establishment of a new plan that includes both the DSR and the CSM under the same plan with the same expiration date.

CSM is subject to termination liability if CSM is removed prior to completion of the existing commitment period. The terms and conditions in 3.5.2 following, apply to removal of CSM prior to completion of the existing commitment period.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Charges

.5.1 Commitment Periods

DSR is available for 3 or 5-year term commitment periods. Ports and asymmetrical port facilities are also available on a month-to-month basis. Ports, nodes, port nodes, optional features, subtending node facilities, and asymmetrical port facilities added subsequent to the initial installation may be coterminous to the expiration date of the DSR provided the addition is prior to the 21st month for a 3-year plan, or prior to the 36th month for a 5-year plan. Ports, nodes, port nodes, optional features, subtending node facilities, and asymmetrical port facilities added after the aforementioned periods require extending the commitment period for an additional one-year for a 3-year plan, or an additional 2 years for a 5-year plan. Ports and asymmetrical port facilities in a month-to-month plan may be added at any time. The added nodes must be at the same or lower speed as the existing nodes.

Monthly recurring rates apply for the ports, port nodes, nodes, mileage, optional features, subtending node facilities and asymmetrical port facilities. Once a term period expires, the cataloged rates of the customer's existing plan will continue until the customer cancels service or requests a new term plan.

.5.2 Nonrecurring charges for DSR apply as follows:

a. First and Additional charges apply for the initial installation of ports provided on a Month-to-Month term. The First Nonrecurring Charge applies to the first of each port type and speed installed at a node. The Additional Nonrecurring Charge applies for each additional port of the same type and same speed added at the same node on the same order. For example, if a customer places an order for (10) GigE3 Ports at the same OC48 node, one First Nonrecurring Charge and nine Additional Nonrecurring Charges will apply for the GigE3 Ports. A port is charged at each location.

b. First and Additional charges apply for the subsequent installation of all ports provided on a Month-to-Month term.

c. Subsequent installation of a node or port node.

d. Installation of a CSM optional feature. These charges are described in 3.4.3.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Charges

.5.2 Nonrecurring charges for DSR apply as follows: (Cont'd)

e. An Asymmetrical Port Mapping nonrecurring charge applies for each channel which the Company must map across two separate asymmetrical port facilities on the same DSR. These charges are set forth in Paragraph 4. following.

f. A Dual Node Cross-connect Charge applies per lower level service provided across the interconnecting port nodes of a subtending ring(s) configuration, regardless of the number of subtending rings involved. Dual Node Cross-connect charges as set forth in 4. following apply for each channel which the Company must cross-connect between the two port nodes of the interconnecting ring(s).

Changes in Month-to-Month billed ports, port nodes, and asymmetrical port facilities are treated as disconnects and subsequent installations.

When a lower capacity service is dropped from a DSR, the associated ports will be billed to the lower capacity service. Lower capacity services may not be dropped at locations utilizing a pass-through interface. However, a Channel Mapping charge will apply for each lower capacity service that originates at and terminates to devices that are not within the partial ring provided by the Company. The Channel Mapping Charge is billed to the lower capacity service.

When a lower capacity service is provided between two separate asymmetric port facilities (APF) on the same DSR, the Company must map the facility assignment on the first APF to the facility assignment on the second APF for which an Asymmetrical Port Mapping Nonrecurring Charge applies per lower capacity service mapped.

For Storage Interface Ports purchased on a month-to-month basis, nonrecurring charges apply to the installation of ports on a first and additional basis regardless of whether the installation of such Storage Interface Port is in connection with the initial or subsequent installation of DSR.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Charges (Cont'd)

.5.2 Nonrecurring charges (Cont'd)

Where an Ethernet signal is mapped to a SONET service, and that SONET service is provided in a symmetrical port arrangement, two OCN ports apply (one where the mapped signal enters the ring and one where the mapped signal exits the ring).

Where one or more Ethernet signals are mapped to a SONET service, and that SONET service utilizes an asymmetrical port combination (e.g., the signals enter the ring mapped to an OC12 SONET service and exit the ring via an OC48 port associated with an asymmetrical port facility), only one OCN port applies per mapped signal to enter the ring and the signal exits the ring over the asymmetrical port facility. The total number of such mapped Ethernet signals that can be associated with the OCN Port of the asymmetrical port facility is limited by the STS1 capacity required to map each signal into the SONET service. For example, assume that an OC48 APF is ordered for which an OC48 port, OC48 mileage, and, when applicable, an OC48 Extension applies (an OC48 has a capacity of 48 STS1s).

.5.3 Termination Liability

Unless otherwise set forth in this section, termination liability will apply if the customer terminates DSR service or a Customer Network Management Optional Feature prior to the expiration of the selected term commitment period. Termination liability, as set forth in this catalog, is charged per monthly rate element on all nodes, ports (other than month-to-month billed ports for which the one-month minimum service charge applies), port nodes, optional features, subtending node facilities, and asymmetrical port facilities. A separate termination liability charge is assessed for each rate element associated with the disconnected DSR or Customer Network Management Optional Feature.

DSR service or a Customer Network Management Optional Feature may be canceled without termination liability when cancellation of the service occurs within thirty (30) days of the effective date of a Company initiated rate increase of eight percent (8%) or more on any rate applicable to DSR service or a Customer Network Management Optional Feature.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.3 Termination Liability (Cont'd)

Termination liability will not apply for any DSR service or Customer Network Management Optional Feature if a customer changes to a longer-term commitment period for the same service, or upgrades to a higher capacity DSR service [1], if all of the following conditions are met: [2]

a. A new commitment period commences with the upgrade.

b. The new expiration date must extend beyond the discontinued plan date.

c. The upgrade consists of either one (1) DSR being upgraded to a higher capacity DSR, or two (2) existing DSR being upgraded into a single, higher capacity DSR.

d. The new DSR has at least one customer premises node and one CO node in common with the discontinued DSR.

e. When two (2) existing DSR are being upgraded into a single, higher capacity DSR, the aggregate amount of all monthly charges for the nodes and ports included under the new commitment period is at least 25% greater than the aggregate amount of the monthly charges remaining in the commitment period for the nodes and ports being disconnected.

[1] Upgrades are further subject to the regulations set forth in 3.5.1 preceding.
[2] These conditions do not apply to Customer Network Management Optional Features.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.4 Moves of Service

A customer can move a node (customer node or CO node) from one location to another location without incurring termination liability providing that all of the following conditions are met:

a. A new commitment period commences with the move.

b. The new expiration date must extend beyond the discontinued plan date.

c. The customer accepts a temporary interruption of the existing service in order to establish the new service.

d. The new service is ordered at the same time as the order for disconnection is received.

e. A nonrecurring charge will apply to install the node at each new location added to the DSR.

.5.5 Conversions of Service

Customers who wish to convert existing point-to-point services (e.g. High Capacity DS1 and DS3 services, Custom Connect services) to the Company's DSR may do so without conversion charges (termination liability for the existing service) as long as the total capacity of services purchased by the customer does not decrease.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.6 Extension of a Commitment Period

For DSR, the customer also has the option, within sixty (60) days prior to the expiration date of the commitment period, to extend the expiring term plan to a plan with a longer commitment period. The commitment period selected for the extended plan must be longer than the commitment period of the expiring plan, i.e., an expiring 3-Year Term may be extended to a 5-Year Term Plan.

Time-in-service credit on the expiring plan will be granted and applied towards the new extended plan. For example, an expiring 3-Year term plan will allow for 3 years of time-in-service credit towards a 5-Year extended plan.

The discount associated with the extended plan will apply effective with the first bill date following expiration of the commitment period for the existing plan and will continue through the remainder of the commitment period associated with the extended plan. No adjustment for the increased discount percentage associated with the extended plan will be made to the monthly rates on the expiring plan.

For DSR with a commitment period extended under these regulations, termination liability is calculated as the difference between the monthly rates for the highest commitment period that could have been satisfied prior to disconnection of the service or cancellation of the plan and the monthly rates for the extended commitment period for the period of time the service was in effect.

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.7 Service Interruption

a. Credit Allowance Application

Frontier Dedicated SONET Ring (DSR) is interrupted when it becomes unusable to the customer because of a failure of a component used to furnish service under this catalog, or when the service is preempted as a result of invoking National Security Emergency Preparedness (NSEP Treatment) or when the application of protective controls interrupt all transmission paths as set forth in Ill. C.C. No. 15.

An interruption period starts when Company personnel are notified by the customer that the service is inoperable. The credit allowance(s) for an interruption or for a series of interruptions will be computed based upon the billing method, which applies to the service being credited. In no case will the credit allowance for service interruptions exceed the applicable charges for the billing period during which the interruption occurred.

For DSR, any outage greater than one (1) minute and due solely to a Company facility failure will result in a credit of 100% of the monthly rate for the applicable rate elements of the affected service. Only one such credit is allowed in a single month's billing period.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.7 Service Interruption (Cont'd)

b. A Credit Allowance Does Not Apply for Service Interruptions:

- of less than one minute;
- caused by the negligence of the customer or authorized user;
- resulting from the failure of equipment or systems provided by the customer or authorized user;
- during any period in which the Company is not afforded access to a premises for testing and/or repair of service;
- for a negotiated time period during which the customer has released the service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service. Should the time to perform the maintenance, rearrangement or order for change extend beyond the agreed upon time period, credit allowance will apply for the extended time;
- which continue due to the failure of the customer to authorize replacement of any element of Special Construction. The period during which no credit allowance will be made begins on the seventh day after the customer receives the Company's notification of the need for replacement and ends on the day after the Company receives the customer's authorization for replacement; or
- during periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.

General Exchange Catalog

DEDICATED SONET RING (DSR)

3. Regulations (Cont'd)

.5 Application of Rates and Changes (Cont'd)

.5.8 Cancellation Charges

a. The order date for DSR is the date on which the customer provides the Company with a complete and accurate Access Service Request (ASR) for the service. In the event that the customer cancels the request, or part of the request, for construction of the ring, cancellation charges as set forth below will apply.

b. Cancellation Charges Which Apply After Issuance of the order: per Node or Port Node

	Within the first 30 days of ordering	31st to 60th day after ordering	61st day after ordering to completion of construction
Per OC3 Node	None	$565.00	$1,130
Per OC12 Node	None	962.00	1,924
Per OC48 Node	None	2,159	4,318
Per OC192 Node	None	7,010	14,020

c. Termination Liability as set forth in 3.5.3 preceding will apply after the customer has received notification that construction is complete, and the ring has been turned up and accepted by the customer.

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates

.1 DSR Node, each

	Monthly Rate
OC3	
Three Years	$1,330.00
Five Years	$1,290.00
OC12	
Three Years	$2,900.00
Five Years	$2,700.00
OC48	
Three Years	$4,800.00
Five Years	$4,604.00
OC192	
Three Years	$10,000.00
Five Years	$9,200.00

	Nonrecurring Charge w/ Term Plans
Subsequent Installations, per node or port node	$1,599.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.2 Subtending Node Facility (SNF)

.2.1 Monthly rate, per port node Port Node Type -	Monthly Rate
OC3 at OC3 Node	
Three Years	$600.00
Five Years	$500.00
OC3 at OC12 Node	
Three Years	$600.00
Five Years	$500.00
OC3 at OC48 Node	
Three Years	$600.00
Five Years	$500.00
OC3 at OC192 Node	
Three Years	$600.00
Five Years	$500.00
OC12 at OC12 Node	
Three Years	$850.00
Five Years	$750.00
OC12 at OC48 Node	
Three Years	$850.00
Five Years	$750.00
OC12 at OC192 Node	
Three Years	$850.00
Five Years	$750.00
OC48 at OC48 Node	
Three Years	$1,800.00
Five Years	$1,600.00
OC48 at OC192 Node	
Three Years	$1,800.00
Five Years	$1,600.00
OC192 at OC192 Node	
Three Years	$4,500.00
Five Years	$3,800.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.2 Subtending Node Facility (SNF) (Cont'd)

.2.2 Monthly rate, per SNF extended	Monthly Rate
SNF Type -	
OC3 SNF	
OC3 Mileage, per mile	
Three Years	$375.00
Five Years	$337.50
OC3 Channel Extension, each	
Three Years	$2,850.00
Five Years	$2,565.00
OC12 SNF	
OC12 Mileage, per mile	
Three Years	$750.00
Five Years	$675.00
OC12 Channel Extension, each	
Three Years	$5,500.00
Five Years	$4,500.00
OC48 SNF	
OC48 Mileage, per mile	
Three Years	$2,625.00
Five Years	$2,362.50
OC48 Channel Extension, each	
Three Years	$7,500.00
Five Years	$6,350.00

.2.3 Dual Node Cross-Connect Charge, per lower capacity channel provided through two interconnecting nodes in a subtending ring arrangement	Nonrecurring Charge
All Channel Types	$500.00

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.3 DSR Mileage, per mile

	Monthly Rate
OC3	
Three Years	$325.00
Five Years	$300.00
OC12	
Three Years	$335.00
Five Years	$320.00
OC48	
Three Years	$450.00
Five Years	$420.00
OC192	
Three Years	$1,390.00
Five Years	$1,279.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port

	Monthly Rate
DS1 at OC3 Node	
Month-to-Month	$55.00
Three Years	$55.00
Five Years	$55.00
DS1 at OC12 Node	
Month-to-Month	$55.00
Three Years	$55.00
Five Years	$55.00
DS1 at OC48 Node	
Month-to-Month	$55.00
Three Years	$55.00
Five Years	$55.00
DS1 at OC192 Node	
Month-to-Month	$55.00
Three Years	$55.00
Five Years	$55.00
DS3 or STS1 at OC3 Node	
Month-to-Month	$115.00
Three Years	$115.00
Five Years	$115.00
DS3 or STS1 at OC12 Node	
Month-to-Month	$115.00
Three Years	$115.00
Five Years	$115.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
DS3 or STS1 at OC48 Node	
Month-to-Month	$115.00
Three Years	$115.00
Five Years	$115.00
DS3 or STS1 at OC192 Node	
Month-to-Month	$115.00
Three Years	$115.00
Five Years	$115.00
DS3 Transmux at OC3 Node	
Month-to-Month	$400.00
Three Years	$400.00
Five Years	$400.00
DS3 Transmux at OC12 Node	
Month-to-Month	$400.00
Three Years	$400.00
Five Years	$400.00
DS3 Transmux at OC48 Node	
Month-to-Month	$400.00
Three Years	$400.00
Five Years	$400.00
DS3 Transmux at OC192 Node	
Month-to-Month	$400.00
Three Years	$400.00
Five Years	$400.00

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
OC3c at OC12 Node	
Month-to-Month	$274.00
Three Years	$274.00
Five Years	$274.00
OC3c at OC48 Node	
Month-to-Month	$274.00
Three Years	$274.00
Five Years	$274.00
OC3c at OC192 Node	
Month-to-Month	$274.00
Three Years	$274.00
Five Years	$274.00
OC3 at OC12 Node	
Month-to-Month	$343.00
Three Years	$343.00
Five Years	$343.00
OC3 at OC48 Node	
Month-to-Month	$343.00
Three Years	$343.00
Five Years	$343.00
OC3 at OC192 Node	
Month-to-Month	$343.00
Three Years	$343.00
Five Years	$343.00

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
OC12c at OC48 Node	
Month-to-Month	$514.00
Three Years	$514.00
Five Years	$514.00
OC12c at OC192 Node	
Month-to-Month	$514.00
Three Years	$514.00
Five Years	$514.00
OC12 at OC48 Node	
Month-to-Month	$642.00
Three Years	$642.00
Five Years	$642.00
OC12 at OC192 Node	
Month-to-Month	$642.00
Three Years	$642.00
Five Years	$642.00
OC48c at OC192 Node	
Month-to-Month	$1,200.00
Three Years	$1,200.00
Five Years	1,200.00
OC48 at OC192 Node	
Month-to-Month	$1,400.00
Three Years	$1,400.00
Five Years	$1,400.00

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
GigE1 at OC3 Node	
Month-to-Month	$305.00
Three Years	$305.00
Five Years	$305.00
GigE1 at OC12 Node	
Month-to-Month	$305.00
Three Years	$305.00
Five Years	$305.00
GigE1 at OC48 Node	
Month-to-Month	$305.00
Three Years	$305.00
Five Years	$305.00
GigE1 at OC192 Node	
Month-to-Month	$305.00
Three Years	$305.00
Five Years	$305.00
GigE3 at OC12 Node	
Month-to-Month	$345.00
Three Years	$345.00
Five Years	$345.00
GigE3 at OC48 Node	
Month-to-Month	$345.00
Three Years	$345.00
Five Years	$345.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
GigE3 at OC192 Node	
Month-to-Month	$345.00
Three Years	$345.00
Five Years	$345.00
GigE6 at OC12 Node	
Month-to-Month	$455.00
Three Years	$455.00
Five Years	$455.00
GigE6 at OC48 Node	
Month-to-Month	$455.00
Three Years	$455.00
Five Years	$455.00
GigE6 at OC192 Node	
Month-to-Month	$455.00
Three Years	$455.00
Five Years	$455.00
GigE9 at OC12 Node	
Month-to-Month	$535.00
Three Years	$535.00
Five Years	$535.00
GigE9 at OC48 Node	
Month-to-Month	$535.00
Three Years	$535.00
Five Years	$535.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
GigE9 at OC192 Node	
Month-to-Month	$535.00
Three Years	$535.00
Five Years	$535.00
GigE12 at OC48 Node	
Month-to-Month	$645.00
Three Years	$645.00
Five Years	$645.00
GigE12 at OC192 Node	
Month-to-Month	$645.00
Three Years	$645.00
Five Years	$645.00
GigE24 at OC48 Node	
Month-to-Month	$880.00
Three Years	$880.00
Five Years	$880.00
GigE24 at OC192 Node	
Month-to-Month	$880.00
Three Years	$880.00
Five Years	$880.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.4 DSR Port (Cont'd)

	Monthly Rate
1Gbps Fibre Channel at OC48 Node	
Month-to-Month	$1,000.00
Three Years	$1,000.00
Five Years	$1,000.00
1Gbps Fibre Channel at OC192 Node	
Month-to-Month	$1,000.00
Three Years	$1,000.00
Five Years	$1,000.00
1 Gbps FICON at OC48 Node	
Month-to-Month	$1,000.00
Three Years	$1,000.00
Five Years	$1,000.00
1 Gbps FICON at OC192 Node	
Month-to-Month	$1,000.00
Three Years	$1,000.00
Five Years	$1,000.00

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.5 DSR Port, Installation – Nonrecurring Charges

	First	Additional
DS1 Port		
Month-to-month	$525.00	$210.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
DS3 or STS1 Port		
Month-to-month	$805.00	$343.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
DS3 Transmux		
Month-to-month	$805.00	$343.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
OC3c Port		
Month-to-month	$805.00	$343.00
3 Year Term	N/A	N/A
5 Year Term N/A	N/A	
OC3 Port		
Month-to-month	$805.00	$343.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
OC12c Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
OC12 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.5 DSR Port, Installation – Nonrecurring Charges (Cont'd)

	First	Additional
OC48c Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
OC48 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
GigE1 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
GigE3 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
GigE6 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
GigE9 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A

General Exchange Catalog

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.5 DSR Port, Installation – Nonrecurring Charges (Cont'd)

	First	Additional
GigE12 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
GigE24 Port		
Month-to-month	$767.00	$327.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
1 Gbps Fibre Channel		
Month-to-month	$767.00	$578.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A
1Gbps FICON		
Month-to-month	$767.00	$578.00
3 Year Term	N/A	N/A
5 Year Term	N/A	N/A

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.6 Asymmetrical Port Facility (APF)

.6.1 Monthly rate, per APF APF Type -	Monthly Rate
OC3 APF	
OC3 Mileage, per mile	
Month-to-Month	$500.00
Three Years	$375.00
Five Years	$337.50
OC3 Channel Extension, each	
Month-to-Month	$3,800.00
Three Years	$2,850.00
Five Years	$2,565.00
OC12 APF	
OC12 Mileage, per mile	
Month-to-Month	$1,000.00
Three Years	$750.00
Five Years	$675.00
OC12 Channel Extension, each	
Month-to-Month	$7,000.00
Three Years	$5,500.00
Five Years	$4,500.00
OC48 APF	
OC48 Mileage, per mile	
Month-to-Month	$3,500.00
Three Years	$2,625.00
Five Years	$2,362.50
OC48 Channel Extension, each	
Month-to-Month	$11,000.00
Three Years	$7,500.00
Five Years	$6,350.00

.6.2 APF Mapping Charge, per lower capacity channel mapped between two APFs on the same DSR	Nonrecurring Charge
All Channel Types	$00.00

DEDICATED SONET RING (DSR)

4. Rates (Cont'd)

.7 Optional Feature – Customer Network Management

Monthly Rates	Monthly Rate
Service Level 1 - Network View only	
Month-to-Month	N/A
Three Years	$250.00
Five Years	$250.00
Service Level 2 - Network View & Basic Reports	
Month-to-Month	N/A
Three Years	$450.00
Five Years	$450.00
Service Level 3 - Network View, Basic Reports & Reconfiguration	
Month-to-Month	N/A
Three Years	$850.00
Five Years	$850.00
Pre-planned Port Rates	
see 4.4 for applicable corresponding DSR Port speeds & rates	

Nonrecurring Charges	Nonrecurring Charge
Node Setup, per node on the ring equipped during initial establishment	$345.00
Initial CSM Setup, first partition with up to six (6) users	$500.00
Setup of additional partition, or change in CSM Service Level, each	$500.00
Setup of additional users, up to six (6) additional users	$350.00
Add/Remove Node, per node	$1,500.00
Company performed reconfiguration, per mapping	$300.00
Consultation and Support, each thirty (30) minutes or fraction thereof	$100.00
Preplanned Port, per port location	
see 4.5 for nonrecurring charges for corresponding DSR Port speeds	

VERSALINE CENTREX SERVICE

1. General

.1 Versaline Centrex Service (Versaline) is a digital central office-based switching system that provides premium, versatile, and advanced communication features and service to Multiline business customers. Versaline includes various features and the ability to establish groups of lines with common and/or unique characteristics.

.2 Versaline Service is only offered from digital central offices and is subject to availability of required facilities, conditions and central office technology.

.3 Frontier Communications (the Company) will determine what type of central office configuration is required to conform to facility standards of the Company, including transmission requirements. Additional charges for special arrangements to meet signaling and transmission requirements may apply.

Feature availability is based on central office technology serving any given exchange.

.4 Customer Premises Equipment (CPE) - CPE may be provided by the customer or by the Company. CPE provided by the customer must be compatible with Versaline features.

.5 Directory listings for Versaline Service will be provided in accordance with regulations and rates as specified in this catalog.

.6 Service charges as specified in this catalog apply to all customer requested moves and changes performed at the customer's premises.

.7 Maintenance of Service Charges, as set forth in this catalog apply for visits by the Company to a customer's premises if a service difficulty results from customer provided facilities for equipment.

.8 The Local Exchange Calling scope for Versaline stations will be the Business Premium Calling Plan as specified in this catalog.

.9 Temporary suspension of service, vacation service, or seasonal service does not apply to Versaline Service.

.10 Versaline stations of the same system but located in different exchanges will be subject to foreign exchange mileage as specified in this Catalog.

VERSALINE CENTREX SERVICE

1. General (Cont'd)

.11 Versaline Service features are available to PBX and Key System customers. Versaline Service cannot be used as a surrogate for the Automatic Access Line or Business Line serving a PBX or Key System.

.12 The rates contained herein are for central office facilities and local intercom loops only. The applicable interexchange mileage and termination charges will be charged for private line, foreign exchange lines, tie lines, and WATS [1].

.13 Federal Subscriber Line charges will be billed to each Versaline Service Line as set forth in FCC tariff.

2. Versaline Centrex Service Arrangements

.1 Subscription Components

(a) Versaline Station Line Service

Monthly Rate includes:
- Versaline loop
- Local exchange calling
- Versaline system and station features
- Versaline station-to-station calling

(b) System Size Bands:
- 2 lines and greater

(c) Contract Terms:
Contract Periods
- 12 Months
- 24 Months
- 36 Months

(d) Optional Add-On Features listed in this catalog apply. The contract period for the Optional Features is based upon the initial contract period for the Digital Versaline System. Subsequent Optional System Feature additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

VERSALINE CENTREX SERVICE

2. Versaline Centrex Service Arrangements (Cont'd)

.2 Service Features

(a) System and Station Features

System Features

- Automatic Identification of Outward Dialing (AIOD)
- Direct Inward Dialing (DID)
- Direct Outward Dialing (DOD)
- Equal Access
- Intercept Announcements - Common
- Intercom Dialing (Station to Station 4 digit)
- Local Exchange Calling [1]
- Off Premises Stations [2]
- Touch Calling
- 911 Emergency Service
- Blind Transfer Recall
- Busy/No Answer Split
- Call Forward Busy, fixed, variable, No Answer Variable, and No Answer (30 Seconds)
- Caller ID Name and Number
- Call Hold – Code Dialed

[1] Refer to the Calling Plan as specified in the Local Exchange Calling scope.
[2] Applicable only to Off Premises Stations within the exchange and served from the same Central Office.

VERSALINE CENTREX SERVICE

2. Versaline Centrex Service Arrangements (Cont'd)

.2 Service Features (Cont'd)

(a) System and Station Features (Cont'd)

System Features

- Call Park Directed or Multiple
- Call Pick Up – Directed, Directed Any Station, Directed Barge in or Directed Exempt
- Call Transfer
- Call Waiting – All Calls, Cancel, Dial, Inhibit or Originating
- Consultation Hold
- Data-Call Protection
- Direct Line – Hot Line, Manual Line, Or Warm Line
- Directed Call Pickup
- Distinctive Call Waiting Tones
- Distinctive Ring
- Do Not Disturb
- Executive Busy Override
- *66 Busy Number Redial
- Line Restriction – Fully, Semi, Toll, Code or Multi-level
- Make Busy
- Remote Activation – Variable or Of Call Waiting Call
- Ring Again
- Speed Call 9 or 30
- Station-to-Station Dialing (4 digit)
- 3 Way Calling
- Touch Calling

VERSALINE CENTREX SERVICE

2. Versaline Centrex Service Arrangements (Cont'd)

.2 Service Features (Cont'd)

(b) Optional Add-on Features

- Authorization Codes (AC)
- Automatic Call Distribution (ACD)
- Automatic Route Selection (ARS)
- Conference Calling - Six Port
- Custom Intercept Announcements
- Customer Data Changes (CDC)
- Delay Announcements for Queued Calls
- FX Facilities Access
- Meet-Me-Conference (Up to 30 ports)
- Multiple Appearance Directory Numbers (MADNs) – Single Call or Multiple Call Arrangement
- Music on Hold
- OutWATS Access [1]
- Paging Access – Load speaker Access, Code Access or Radio Access
- Private Line Facilities Access
- Queuing for Multiline Hunt Groups
- Special Service Facilities Access
- Station Message Detail Recording (SMDR)
- Tie Facility Access
- 800 Service Access

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

VERSALINE CENTREX SERVICE

2. Versaline Centrex Service Arrangements (Cont'd)

.2 Service Features (Cont'd)

(c) Attendant Feature Packages

- Access to Paging
- Autodial
- Automatic Recall
- (D)
- Call Hold
- Call Park
- Call Selection
- Camp-On
- Conference
- Console Activation of Call Forward
- Console Test
- Control of Trunk Group Access
- Delayed Operation
- Display of Queued Calls by ICI Key
- Flexible Console Alerting
- Locked-Loop Operation
- Lockout
- Multiple Listed Directory Numbers
- Position Busy
- Priority Console Alerting
- Recorded Announcement
- Secrecy
- Serial Call
- Speed Call
- Transfer
- Two-Way Split
- Wildcard Key

VERSALINE CENTREX SERVICE

3. Terms and Conditions

.1 Terms

(a) Versaline Service is provided for a minimum of one month, beginning on the service installation date. Month-to-month rates are subject to changes per approval of the appropriate regulatory agency.

(b) Versaline Service is also offered on a contractual basis, commencing on the date that service is installed, for fixed terms of twelve months (one year), twenty-four months (two years), or thirty-six months (three years). For the contract period, Versaline rates offered by the Company will not change. Versaline customers who subscribe to fixed term contracts will receive reduced pricing to the Versaline Station Line month-to-month rate as stated in this catalog.

(c) A Versaline customer is required to retain as a minimum, the initial number of lines under their original contract. Subsequent Versaline Station Line additions will be rated at the existing contract rates as an addendum to the existing contract for the remainder of the initial term.

(d) In the event that Versaline service is terminated by the customer prior to completion of the initial contract period, a termination charge will apply. The termination charge will be an amount representing the difference between (1) the charges billed for services provided pursuant to the contract, and (2) the charges applicable under the Company's month-to-month Versaline rates, for a period representing the greater of 50% of the term of the contract or the actual number of months in which service was provided pursuant to the Contract. The termination charge is payable immediately upon termination of a contract.

(e) When the contract term expires, a Versaline Customer may select a new contract period or continue with month-to-month service at rates offered in the catalog in effect at that time.

VERSALINE CENTREX SERVICE

4. Definitions

1. Versaline Station Line Service - Includes the following:

- System and station features
- Intercom (station to station) calling
- Loop facilities from the system dial switching equipment to the Network interface of the Versaline station line
- Local exchange network access calling

2. System and Station Features

(a) System Features Definitions

Automatic Identification of Outward Dialing (AIOD) - identifies all calls leaving the customer group by the station number from which calls are placed.

Direct Inward Dialing (DID) - allows a station user to receive local or long-distance calls from outside of the business group, without the aid of an attendant.

Direct Outward Dialing (DOD) - allows a station user to place local or long-distance calls outside of the business group, without the aid of an attendant.

Equal Access - provides the ability to access a long-distance carrier of choice.

Intercept Announcements - Common - alerts callers when stations are disconnected with a standard office intercept announcement.

Intercom Dialing (Station to Station) - allows abbreviated (4 digits) dialing between Versaline stations.

Local Exchange Calling - provides a station user exchange network calling to and from a Versaline station.

Off Premises Stations - allows for stations served from the same central office to be located in a building(s) other than the one housing primary Versaline.

Emergency Service - allows a station to report an emergency by dialing **911**.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions

Blind Transfer Recall - allows a set user to transfer a call to another party without waiting for that party to answer. If the party does not answer the transferred call within a specific time-out period, the set from which the call was transferred is recalled.

Call Forward Busy - allows incoming calls to a busy line to be automatically routed to a preselected Versaline line. The station user has the ability to change the number to which calls will be forwarded. Forwarded calls can be limited to those originating outside the customer group.

Call Forward Fixed - provides an automatic connection between a calling station going off hook and a predetermined terminating number.

Call Forward No Answer - allows an incoming call to be forwarded to a predetermined number within the customer group if the called station does not answer within a designated number of ringing cycles.

Call Forward Busy/No Answer Split - is a single feature that allows the customer to specify the destination of a forwarded call.

Call Forward Remote Activation - allows a station to activate and deactivate Call Forward from his station. Activation\ deactivation can be performed from another phone served by their own central office, or from another central office.

Call Forward Variable - allows a station user to redirect all incoming calls for that line to another directory number. The number that calls are forwarded to is restricted by the line's class-of-service. Activation\deactivation and the forward-to destination are controlled by the station user.

Call Forward No Answer (30 seconds) - allows incoming calls to a Versaline line to be automatically routed to a preselected Versaline line when a called station is not answered after a preset number of rings. The station user has the ability to change the number to which calls will be forwarded. Forwarded calls can be limited to those originating outside the customer group.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Call Forward No Answer Variable Timer - allows incoming calls to a station line to be automatically routed to a preselected station line when a called station is not answered after a preset number of rings. This feature must be programmed by the Telephone Company. Forwarded calls can be limited to those originating from outside the customer group

Call Forward of a Call Waiting Call - allows a station user to have calls that are enqueued against their busy station for a set period of time to automatically be forwarded to a pre-determined station

Call Hold - allows a station user to "hold" any call-in progress by flashing and then dialing a "hold" code, thus freeing the same line for the purpose of originating another call or
Call Park - allows a station user to park a call against its own directory number (DN). The parked call can be retrieved from any station by dialing a feature-access code and the DN against which the call is parked.

Call Park Directed - allows a station user to park calls against another DN within the customer group by flashing the hook switch and dialing the Call Park Directed access code. The parked call can be retrieved from any station by dialing the retrieval access code and the parked DN.

Call Park Multiple - allows a station user to place multiple calls on hold and later retrieve the held calls from his station or another station in the customer group.

Call Pick-Up - allows a station to answer incoming calls to another station within a defined call pickup group by completing a pickup dial code. This feature is provided on individual stations within a customer group.
returning to a previously held call.

Directed Call Pick-Up - allows a Versaline line user to answer calls directed to a specific Versaline line from any other Versaline line in the customer group by dialing a feature code and the number of the ringing station.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Call Pick-Up Directed Any Station - is a terminating line option which allows any station in the business group to answer/pick-up on the incoming calls terminating at the station assigned with the feature.

Call Pick-Up Directed Barge-In - allows a station user to answer a call that is ringing on any other line within the same customer group. To answer the station user dials the access code, receives a special dial tone, and then dials the extension number of the station to be picked-up or barged into.

Call Pick-Up Directed Exempt - allows a station user to answer a call that is ringing on any other line within the same customer group. Once the call is picked-up this feature will not allow the call to be barged into.

Call Transfer - allows a station user to transfer calls to another station either within or outside the business group by flashing the switchhook and dialing the transfer-to number.

Call Waiting All Calls - allows an incoming call encountering a busy station to receive audible ringing, while the busy station receives a call waiting tone. The station user may put the existing caller on hold and acknowledge the incoming caller, then alternate between the calls, or abandon one of the calls.

Call Waiting (customer specific) - informs a busy Main Station Line, when the Main Station Line is so equipped, that an incoming call is waiting (burst of tone), and permits holding the connection while answering the new call and return to the original connection. This can be on all calls or inter-business group calls only.

Call Waiting Cancel - permits a station user to prevent interruption, either from inside or outside the customer group, by suspending the Call Waiting feature for the duration of any telephone call.

Call Waiting Dial allows a station user to selectively (by a dial code) impose Call Waiting on a called station when the called station is busy.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Call Waiting Inhibit - prevents a calling line with Call Waiting Originating or Call Waiting Dial from imposing Call Waiting on the line.

Call Waiting Originating - allows a station user to impose Call Waiting tones on a called station within the customer group.

Consultation Hold - permits the transferring party to talk privately with the destination before transferring the call.

Data - Call Protection - allows the assignment to individual lines within the customer group of No Double-Connect. This option does not allow the connection of test or busy-verification circuits to the line while the line is busy. This option protects data calls from interruption.

Direct Line - Hot Line - allows a station user to automatically place a call to a pre-selected DN by lifting the receiver.

Direct Line - Manual Line - automatically places a call to an operator when the station user goes off hook.

Direct Line - Warm Line - is a time delayed automatic line. If a station user commences dialing within the time delayed period, the call will proceed normally. If dialing commences before the end of the time delay period, the call is treated as a Hot Line**.**

Distinctive Call Waiting Tones - permits station user to determine whether an incoming Call Waiting call is internal or external to the customer group by providing different tone cadences for the two situations.

Distinctive Ring - provides a different and distinct ringing cadence for intragroup and DID calls allowing the station user to identify the type of call.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Do Not Disturb - allows station users to prevent incoming calls from ringing their station. Calls can be diverted to an attendant, another station, a busy tone or a recorded announcement.

Executive Busy Override - allows a single-line set user to gain access to a busy station by flashing the switchhook (during busy tone) and dialing a feature code.

Executive Busy Override Exempt - will not allow Executive Busy Override to be activated against the line by a station user within the customer group.

Hunting (customer specific) - is a call completion feature that increases the likelihood of an incoming call being completed within a customer-defined group of lines. Three types of hunting are available

Directory Number Hunting (DNH) - may be either circular or sequential

- Circular hunting hunts all lines in the group regardless of the starting point.
- Sequential hunting starts at the number dialed and ends with the last number in the group.

Multiline Hunting - Only the pilot number of the hunt group may be dialed to access the hunt group. Hunting proceeds from the pilot number to the last number in the group.

Distributed Line Hunting (DLH) - Only the pilot number of the hunt group may be dialed to access the group. Hunting starts after the first idle line found by the previous hunt and continues until the starting point of the hunt is reached. DLH provides an equal distribution of calls within the hunt group. DLH is used in conjunction with the uniform call distribution feature.

***66 Busy Number Redial** - allows a station user to redial the last number dialed by utilizing an access code rather than dialing the entire number.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Line Restriction Fully - permits the customer to restrict certain stations from making calls to and\or receiving calls from stations outside the customer group. It also prevents the customer from making calls to and\or receiving calls from the attendant, thereby denying it indirect access to\from outside the customer group.

Line Restriction Semi - permits the customer to restrict certain stations from making calls to and/or receiving calls from stations outside the customer group. It may, however, make and\or receive calls via the attendant, Call Forwarding, Call Transfer, and Call Pick-Up features.

Line Restriction Toll - permits the customer to block certain stations from the completion of calls that are directed to an outside operator or to numbers outside the local calling area. The Toll Restriction list may be assigned to either an individual line or shared by multiple lines.

Line Restriction Code - allows the customer to restrict the completion of calls that are directed to specified area codes (NPAs) and\or central office codes (NXXs). A Code Restriction list may be assigned to either an individual line or shared by multiple lines.

Line Restriction Multi-Level - allows the subscriber to define those codes that stations may dial. This can be done on a three-digit office code basis (NXX) or a six-digit area code (NPA) and (NXX) basis.

Make Busy - allows a station user to temporarily make a particular station appear busy to incoming callers. Make Busy causes the hunt feature to skip over a station during the search for an idle station. Make Busy can be activated by dialing a feature code or by a key operated feature. The key operated feature requires additional hardware.

Ring Again - allows a station user when encountering a busy station within the customer group to be notified when the busy station becomes idle and to be placed automatically in a ring-again mode.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

2. System and Station Features (Cont'd)

(b) Station Features Definitions (Cont'd)

Speed Call 8 - provides a Versaline line user with abbreviated dialing. It is limited to single digit codes and can be accessed by only one user.

Speed Call 30 - provides a station user with abbreviated dialing. Provides two-digit codes and is dedicated to one station user.

Speed Calling Group List - allows two or more station users within a customer group to have access to the same Speed Calling list. The list can be from 10 up to 69 numbers and can only be updated from a specified line, called the controller.

Stop Hunt - allows a station user to stop the normal hunting process at a predetermined point. Activating this feature at a predetermined point. Activating this feature at a particular station in a Multiline Hunt Group will stop the search for an idle line at that station. Stop Hunt can be activated by dialing a feature code or by a key operated feature. The key operated feature requires additional hardware.

Touch Calling - equips all station lines for Touch Calling dialing.

3 Way Calling - permits a station user using the consultation hold feature to put one party on hold, reach a third party, and bring all three parties together in a three-way connection.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

3. Optional Add-on Features

Authorization Codes (AC) - allows the customer to define a set or sets of dialing privileges and associated dialing codes for each set or sets. AC permits certain dialing privileges to authorized personnel.

Automatic Call Distribution (ACD) - provides advanced call distribution and queuing capabilities as an integrated function of Versaline Service.

Automatic Route Selection (ARS) - allows an outgoing call to be completed automatically by the most cost-effective route available. The caller is alerted by a tone if the outgoing call is accessing an expensive call route for completion.

Conference Calling - Six Port - allows station users to establish a conference call consisting of more than three conferees without the assistance of the attendant. The conferees can include lines in the same customer group, lines belonging to another customer group, and stations reached through trunks.

Custom Intercept Announcements - allows a custom announcement to be provided to a business group. These announcements are applicable on originating calls that violate restrictions or the dialing plan and terminating calls to nonworking directory numbers assigned to the business group.

Customer Data Changes (CDC) - provides customers with the ability to prepare, schedule, and implement feature changes and configurations from a computer terminal located on the customer's premises.

Delay Announcements for Queued Calls - informs a caller that their call has been placed in a queue. The delay announcement can be repeated at regular intervals until an idle station becomes available.

Meet-Me-Conference (Up to 30 ports) - allows conferees to hold a conference on a thirty-party conference bridge by dialing a directory number at a specified time.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

3. Optional Add-on Features (Cont'd)

Multiple Appearance Directory Numbers (MADNs) - is a software number that has no real switch hardware attached but is given all the database characteristics associated with a normal line. MADNs can be configured in either a single-call-arrangement (SCA) or a multiple-call-arrangement (MCA). The SCA allows only one set to be active on the MADNs at any given time. The MCA allows more than one set in the MADNs group to be simultaneously active. MCA is available only within a Versaline customer group.

Music on Hold - allows a customer group to have music and\or an announcement applied to a calling line while on hold.

Paging Access - provides a central office interface to customer provided paging equipment such as loudspeaker, code, and radio.

Queuing for Multiline Hunt Groups - allows calls to hunt groups with all lines busy to be queued with an announcement or music.

Special Service Facilities Access - allows station users to gain access to the following by dialing an access code:

- **Foreign Exchange (FX) Facilities Access** provides access to and from an InterLATA or IntraLATA Foreign Exchange circuit or Foreign Central Office Circuit.
- **OutWATS Access** [1] provides the customer access to an interexchange carrier for bulk toll calling.
- **Private Line Facilities Access** provides the customer access to a Private Line or Dedicated Circuit.
- **Tie Facility Access** provides the customer access to and from an InterLATA or IntraLATA tie facility.
- **800 Service Access** permits 800 Service Access to terminate in the Versaline Service System.

Station Message Detail Recording (SMDR) provides a detailed customer report of calling activity of chargeable and non-chargeable calls for each customer group.

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

4. Attendant Feature Package

These features will be provided where facilities are available.

Access to Paging - allows an attendant to gain access to customer-provided loudspeaker paging equipment to summon a particular person over speakers located throughout the customer's premises.

The feature also provides a preempt capability allowing an attendant to force-release a calling party from a loudspeaker access.

Autodial - permits an attendant to dial frequently called numbers by pressing a feature key, which is programmed with a particular number.

Automatic Recall - allows redirect of extended calls to unanswered stations, camped-on stations, or stations with call waiting back to the Attendant. This also provides for redirect of calls parked for a predetermined amount of time.

Busy Verification [1] - feature allows an attendant to determine whether stations or trunks are busy or idle.

Call Hold - allows an attendant to hold a call manually on the loop by pressing a key.

Call Park - allows the attendant to park calls against any directory number in the customer group.

Call Selection - enables an attendant to answer incoming calls using either of the following methods:

- in the order they are received, regardless of the incoming call type;
- by manually selecting a specific incoming call type.

Camp-On - allows the attendant to extend an incoming call to a busy station. When the busy station becomes idle, it automatically rings and is connected to the waiting call.

[1] Service is discontinued.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

4. Attendant Feature Package (Cont'd)

Code Calling Line Termination - Allows the attendant to access customer provided code-call equipment using an access code and a called party code.

Conference - allows the attendant to establish a conference with up to 30 conferees.

Console Activation of Call Forward - allows attendants to activate, deactivate, and program Call Forwarding for stations.

Console Test - allows attendant to test the functional operations of a console.

Control of Trunk Group Access - allows the attendant to control the access to all stations and incoming trunks to various trunk groups by operating corresponding keys.

Delayed Operation - allows the attendant to place a call for a calling station while the calling station waits on hook.

Display of Queued Calls by ICI Key - provides console operators with a visual indication of the number of calls queued to be answered.

Flexible Console Alerting - allows an attendant to be alerted to a call requiring attention.

Interposition Calls - allows an attendant to call, speak to, and transfer a call to another attendant.

Locked-Loop Operation - allows an attendant to hold a call on loop. Attendant Locked-Loop Operation consists of two hold types, automatic and manual. Both types are attendant console features.

- in the order they are received, regardless of the incoming call type,
- by manually selecting a specific incoming call type.

Lockout - prevents the attendant from reentering a call on a held loop unless recalled by a station user or by Automatic Recall.

VERSALINE CENTREX SERVICE

4. Definitions (Cont'd)

4. Attendant Feature Package (Cont'd)

Multiple Listed Directory Numbers – allows each directory number to be assigned a unique lamp. The maximum number is limited by the number of available lamps and keys on the console.

Position Busy - allows the attendant to make the console unavailable to additional queued calls.

Priority Console Alerting - allows an attendant to be alerted to an enqueued emergency call while the console is idle, active on a call, position busy, or night service.

Recorded Announcement - feature permits the routing of either originated or extended attendant calls to an optional announcement.

Secrecy - allows the attendant to talk to a called party (destination) without the calling party (source) hearing the conversation. When the attendant releases from the call, the source and the destination are connected.

Serial Call - allows an attendant to extend a call to more than one station.

Speed Call - allows the attendant to dial frequently called numbers with an abbreviated number of digits. A console can have one Speed Call 8, one Speed Call 30.

Transfer - allows a call that is transferred by a station to an attendant to be queued on a first-in, first-out basis.

Two-Way Split - allows the attendant to talk privately to either the calling party of the called party.

Wildcard Key - allows any special feature normally available through the use of a feature key to be invoked through the Wildcard Key, with the exception of ICI.

VERSALINE CENTREX SERVICE

5. Rates and Charges

.1 Recurring Charges

a. Versaline Station Line Service

The following monthly rates and charges are in addition to the non-recurring rates and charges as referenced in this catalog.

Period	Monthly Rate	
Month to Month	$55.75	
12 Month Contract	$74.75	(I)
24 Month Contract	$53.75	
36 Month Contract	$52.75	

b. Monthly Credits

Monthly Credit will be applied to the monthly rate for Versaline Customers who purchase Frontier Long Distance Service and/or Frontier Business DSL or Dedicated Internet Service.

1. A $1.00 per month credit will be applied to each Versaline, if the customer selects Frontier Long Distance as their Interlata and Intralata preferred interexchange carrier (PIC).

2. A $1.00 per month Credit will be applied to each Versaline if the customer subscribes to Frontier Business DSL or Dedicated Internet Service.

3. A $2.00 per month credit will be applied to each Versaline if the customer subscribes to both, Frontier Long Distance and Frontier Business DSL or Dedicated Internet Service (1. and 2. preceding).

VERSALINE CENTREX SERVICE

5. Rates and Charges (Cont'd)

.1 Recurring Charges (Cont'd)

c. Optional Add on Features [1]

	Monthly Rate	Nonrecurring Charge
Authorization Codes (AC), per group 100	$0.30	$3.00
Automatic Call Distribution (ACD) [2]	ICB	ICB
Automatic Route Selection (ARS) [2]	ICB	ICB
Conference Calling (Six Port)	$40.00	$100.00
Custom Intercept Announcements, Each	$40.00	$50.00
Customer Data Changes (CDC) [2]	ICB	ICB
Delay Announcements for Queued Calls, per announcement	$40.00	$50.00
Meet-Me-Conference (Up to 30 ports)	$450.00	$100.00
Multiple Appearance Directory Numbers (MADNs)		
Single-Call-Arrangement (SCA) Each	$6.00	-
Multiple-Call-Arrangement (MCA) Each [3]	$6.00	-
Music on Hold [4]	$25.00	$4.00
Paging Access		
Loudspeaker Access	$40.00	$25.00
Code Access	$40.00	$25.00
Radio Access	$40.00	$25.00
Queuing for Multiline Hunt Groups	$2.50	
Special Service Facilities Access [5]		
FX Facilities Access	ICB	ICB
OutWATS Access [6]	ICB	ICB
Private Line Facilities Access	ICB	ICB
Tie Facility Access	ICB	ICB
800 Service Access	ICB	ICB
Station Message Detail Recording (SMDR)	ICB	ICB

[1] Optional features are available only were facilities and conditions permit.
[2] Offered on an Individual Case Basis (ICB) arrangement.
[3] Available only within a Versaline customer group.
[4] Does not include music source.
[5] Refer to other company tariff or catalog for mileage and termination charges.
[6] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

VERSALINE CENTREX SERVICE

5. Rates and Charges (Cont'd)

.1 Recurring Charges (Cont'd)

d. Attendant Feature Package

	Monthly Rate
Attendant Feature Package [1], per attendant	$65.00
See this catalog for package features	ICB

Available where facilities and conditions permit.

e. PBX and Systems [1]

System and Station Versaline Service features may be extended to PBX and Key System customers at the applicable Automatic Access Line or Business Line rates as specified in Section S3 and the following:

Attendant Feature Package	Monthly Rate
Versaline PBX - Add-On Rate, per Trunk	$7.95
Versaline Business Line - Add-On Rate, per Line	$7.95

Available where facilities and conditions permit.

.2 Database Modifications

	Nonrecurring Charge
Additions, changes, or deletions per hour, or fraction thereof	$50.00

[1] Rates are subject to volume discounts.

VERSALINE CENTREX SERVICE

6. Telephone numbers and facilities reserved for future use

.1 General

a. A customer may reserve pre-assigned telephone numbers and facilities necessary to meet their specified growth requirements at specific locations, on a mutually agreeable date. In the event the customer elects not to be provided with reserved telephone numbers, timely main station additions cannot be assured and facilities necessary for growth requirements will be provided only within normal engineering and construction intervals.

b. Telephone numbers reserved for future use services include pre-assigned telephone numbers and the facilities required. Such telephone numbers and facilities will be removed from reserved status and assigned as active main station lines as required by the customer.

c. The assignment of telephone numbers and the sequence of numbers assigned to a Versaline system is made at the discretion of the Company.

d. The service is furnished subject to the availability of facilities and telephone numbers.

e. Calls to reserved (unassigned) telephone numbers will be routed to intercept over Versaline common recorded announcement facilities as specified in this catalog.

f. Telephone numbers furnished herein retain their reserve status until assigned to a main station at which time the service assumes rates and charges applicable to a Versaline main station.

g. Reserved numbers not assigned to a main station as agreed in this catalog will be billed at the following rates until removed from reserved status or billed as an active Versaline main station.

.2 Rates and Charges

a. Reserved Versaline Telephone Numbers

Reserved Numbers	Monthly Rate
Month-to-Month	$15.24
12 Month Contract	$14.34
24 Month Contract	$13.86
36 Month Contract	$13.41

General Exchange Catalog

SPECIAL ACCESS SERVICES

1. General

.1 The following Special Access Services are offered where conditions and facilities permit.

Multiplexing Arrangements
- DS1 to Voice
- DS3 to DS1

High Capacity Digital DS1 Facilities
High Capacity Digital DS3 Facilities
Clear Channel Capability
Cross Connect
- DS1
- DS3

.2 Definitions, rules and regulations applicable to the provision of Special Access Services are as set forth in Tariff Ill. C.C. No. 15.

2. Rates and Charges

	Nonrecurring Charge	Monthly Rate
.1 Multiplexing Arrangements (5.7.6)		
DS1 to Voice (MQ1/MQJ++)		
Price Band A	$800.00	$195.00
Price Band B	$800.00	$195.00
Price Band C	$800.00	$195.00
N-MSA	$800.00	$201.83
DS3 to DS1 (MQ3)		
Price Band A	$450.00	$341.90
Price Band B	$450.00	$341.90
Price Band C	$450.00	$341.90
N-MSA	$450.00	$336.38

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

	Nonrecurring Charge	Monthly Rate
.2 High Capacity Digital DS1 (1.544 Mbps) Facilities		
.2.1 Standard Arrangements		
Special Access Line		
Price Band A (1XCDX)	$450.00	$234.00
Price Band B (1XCDX)	$450.00	$234.00
Price Band C (1XCDX)	$450.00	$234.00
N-MSA (1XCDX)	$450.00	$226.00
N-MSA (EUW) [1]	$450.00	$234.00
Special Transport Termination (TRG)		
Price Band A		$25.45
Price Band B		$25.45
Price Band C		$25.45
N-MSA		$24.07
Special Transport Facility Per Airline Mile (1LFSX)		
Price Band A		$8.32
Price Band B		$8.32
Price Band C		$8.32
N-MSA		$7.86
.2.2 Optional Arrangements Supplemental Features		
Automatic Protection Switching (APP)		
Price Band A	$700.00	$100.00
Price Band B	$700.00	$100.00
Price Band C	$700.00	$100.00
N-MSA	$700.00	$100.00

[1] Rates applicable to Special Access Lines terminating at end user locations only.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP)

	Nonrecurring Charge	Monthly Rate
.3.1 Special Access Line, per DS1 SAL		
Price Band A	$450.00	
Price Band B	$450.00	
Price Band C	$450.00	
N-MSA	$450.00	

a. One Year Term, Threshold Levels:

2-60	
Price Band A	$207.00
Price Band B	$207.00
Price Band C	$207.00
N-MSA	$194.10
61-120	
Price Band A	$197.00
Price Band B	$197.00
Price Band C	$197.00
N-MSA	$184.71
121-240	
Price Band A	$187.00
Price Band B	$187.00
Price Band C	$187.00
N-MSA	$175.32
241-500	
Price Band A	$177.00
Price Band B	$177.00
Price Band C	$177.00
N-MSA	$165.92

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

	Nonrecurring Charge	Monthly Rate
.3.1 Special Access Line, per DS1 SAL (Cont'd)		
a. One Year Term, Threshold Levels:		
501-1000		
Price Band A		$175.00
Price Band B		$175.00
Price Band C		$175.00
N-MSA		$163.84
1001-3000		
Price Band A		$173.00
Price Band B		$173.00
Price Band C		$173.00
N-MSA		$162.79
3001-6000		
Price Band A		$171.00
Price Band B		$171.00
Price Band C		$171.00
N-MSA		$160.71
6001-11000		
Price Band A		$169.00
Price Band B		$169.00
Price Band C		$169.00
N-MSA		$158.62
11001 and over		
Price Band A		$167.00
Price Band B		$167.00
Price Band C		$167.00
N-MSA		$156.53

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)
(5.7.18)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

b. Two Year Term, Threshold Levels:

	Monthly Rate
2-60	
Price Band A	$197.00
Price Band B	$197.00
Price Band C	$197.00
N-MSA	$184.71
61-120	
Price Band A	$187.00
Price Band B	$187.00
Price Band C	$187.00
N-MSA	$175.32
121-240	
Price Band A	$177.00
Price Band B	$177.00
Price Band C	$177.00
N-MSA	$165.92

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

b. Two Year Term, Threshold Levels: (Cont'd)

	Monthly Rate
241-500	
Price Band A	$167.00
Price Band B	$167.00
Price Band C	$167.00
N-MSA	$156.53
501-1000	
Price Band A	$165.00
Price Band B	$165.00
Price Band C	$165.00
N-MSA	$154.45
1001-3000	
Price Band A	$163.00
Price Band B	$163.00
Price Band C	$163.00
N-MSA	$153.40
3001-6000	
Price Band A	$161.00
Price Band B	$161.00
Price Band C	$161.00
N-MSA	$151.31
6001-11000	
Price Band A	$159.00
Price Band B	$159.00
Price Band C	$159.00
N-MSA	$149.23
11001 and over	
Price Band A	$157.00
Price Band B	$157.00
Price Band C	$157.00
N-MSA	$147.14

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

c. Three Year Term, Threshold Levels:

	Monthly Rate
2-60	
Price Band A	$187.00
Price Band B	$187.00
Price Band C	$187.00
N-MSA	$175.32
61-120	
Price Band A	$177.00
Price Band B	$177.00
Price Band C	$177.00
N-MSA	$165.92
121-240	
Price Band A	$167.00
Price Band B	$167.00
Price Band C	$167.00
N-MSA	$156.53
241-500	
Price Band A	$157.00
Price Band B	$157.00
Price Band C	$157.00
N-MSA	$147.14
501-1000	
Price Band A	$155.00
Price Band B	$155.00
Price Band C	$155.00
N-MSA	$145.05
1001-3000	
Price Band A	$153.00
Price Band B	$153.00
Price Band C	$153.00
N-MSA	$144.01

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

c. Three Year Term, Threshold Levels: (Cont'd)

	Monthly Rate
3001-6000	
Price Band A	$151.00
Price Band B	$151.00
Price Band C	$151.00
N-MSA	$141.92
6001-11000	
Price Band A	$149.00
Price Band B	$149.00
Price Band C	$149.00
N-MSA	$139.84
11001 and over	
Price Band A	$147.00
Price Band B	$147.00
Price Band C	$147.00
N-MSA	$137.75

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

d. Five Year Term, Threshold Levels:

	Monthly Rate
2-60	
Price Band A	$167.00
Price Band B	$167.00
Price Band C	$167.00
N-MSA	$156.53
61-120	
Price Band A	$157.00
Price Band B	$157.00
Price Band C	$157.00
N-MSA	$147.14
121-240	
Price Band A	$147.00
Price Band B	$147.00
Price Band C	$147.00
N-MSA	$137.75
241-500	
Price Band A	$135.00
Price Band B	$135.00
Price Band C	$135.00
N-MSA	$126.27

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.3 DS1 Term Volume Plan (TVP) (Cont'd)

.3.1 Special Access Line, per DS1 SAL (Cont'd)

d. Five Year Term, Threshold Levels: (Cont'd)

	Monthly Rate
501-1000	
Price Band A	$133.00
Price Band B	$133.00
Price Band C	$133.00
N-MSA	$125.23
1001-3000	
Price Band A	$131.00
Price Band B	$131.00
Price Band C	$131.00
N-MSA	$123.14
3001-6000	
Price Band A	$129.00
Price Band B	$129.00
Price Band C	$129.00
N-MSA	$121.05
6001-11000	
Price Band A	$127.00
Price Band B	$127.00
Price Band C	$127.00
N-MSA	$118.96
11001 and over	
Price Band A	$125.00
Price Band B	$125.00
Price Band C	$125.00
N-MSA	$116.88

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.4 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three System

.4.1 Protected DS3-With Telephone Company Electronics

a. First Special Access Line

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$2,500.00	$1,480.00	$1,240.00	$1,108.00	$1,040.00
Price Band B	$2,500.00	$1,480.00	$1,240.00	$1,108.00	$1,040.00
Price Band C	$2,500.00	$1,480.00	$1,240.00	$1,108.00	$1,040.00
N-MSA	$2,500.00	$1,480.00	$1,240.00	$1,108.00	$1,040.00

b. Each Additional Special Access Line – Maximum of 2

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$1,000.00	$1,110.00	$930.00	$831.00	$780.00
Price Band B	$1,000.00	$1,110.00	$930.00	$831.00	$780.00
Price Band C	$1,000.00	$1,110.00	$930.00	$831.00	$780.00
N-MSA	$1,000.00	$1,110.00	$930.00	$831.00	$780.00

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

[1] This is a monthly Rate.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.5 High Capacity Digital DS3 (44.736 Mbps) Facilities - Unlimited System

.5.1 Protected DS3-With Telephone Company Electronics

a. First Special Access Line

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$4,500.00	$4,242.00	$3,605.75	$3,252.25	$2,898.75
Price Band B	$4,500.00	$4,242.00	$3,605.75	$3,252.25	$2,898.75
Price Band C	$4,500.00	$4,242.00	$3,605.75	$3,252.25	$2,898.75
N-MSA	$4,500.00	$4,242.00	$3,605.75	$3,252.25	$2,898.75

b. Each Additional Special Access Line

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$1,000.00	$450.00	$396.25	$365.00	$341.00
Price Band B	$1,000.00	$450.00	$396.25	$365.00	$341.00
Price Band C	$1,000.00	$450.00	$396.25	$365.00	$341.00
N-MSA	$1,000.00	$450.00	$396.25	$365.00	$341.00

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

[1] This is a monthly rate.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.6 High Capacity Digital DS3 (44.736 Mbps) Facilities - Individual System

.6.1 Protected DS3-With Telephone Company Electronics

a. Each Special Access Line

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$1,000.00	$1,200.00	$1,000.00	$890.00	$805.00
Price Band B	$1,000.00	$1,200.00	$1,000.00	$890.00	$805.00
Price Band C	$1,000.00	$1,200.00	$1,000.00	$890.00	$805.00
N-MSA	$1,000.00	$1,125.00	$950.00	$825.00	$795.00

.6.2 Protected DS3-Without Telephone Company Electronics

a. Each Special Access Line

	Nonrecurring Charge	One Year Rate [1]	Three Year Rate [1]	Five Year Rate [1]	Seven Year Rate [1]
Price Band A	$750.00	$885.00	$725.00	$650.00	$538.00
Price Band B	$750.00	$885.00	$725.00	$650.00	$538.00
Price Band C	$750.00	$885.00	$725.00	$650.00	$538.00
N-MSA	$750.00	$885.00	$725.00	$650.00	$538.00

Note: N-MSA rates apply to Special Access Lines terminating at end user locations.

[1] This is a monthly rate.

General Exchange Catalog

SPECIAL ACCESS SERVICES

2. Rates and Charges (Cont'd)

.7 High Capacity Digital DS3 (44.736 Mbps) Facilities – Special Transport

.7.1 DS3 Special Transport Facility, Per Airline Mile

	Monthly Rate
Individual, 3 System, Unlimited Transport Per DS3, Per Airline Mile	
Price Band A	$33.75
Price Band B	$33.75
Price Band C	$33.75
N-MSA	$30.00

.7.2 DS3 Special Transport Termination

	Monthly Rate
Individual, 3 System, Unlimited Transport Per DS3, Per Termination	
Price Band A	$335.75
Price Band B	$335.75
Price Band C	$335.75
N-MSA	$275.00

	Nonrecurring Charge	Monthly Rate
.8 Clear Channel Capability	$90.00	$24.00

.9 Special Access Cross Connect

	Monthly Rate
DS1, per DS1 Connection	$4.53
DS3, per DS3 Connection	$36.64

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

1. General

.1 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) is a central office based service arrangement that is an alternative for exchange access services such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD) and two-way trunks.

.2 ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (Mbps) facility and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport.

.3 ISDN-PRI provides the capability to transport customer information in the form of circuit-switched voice or data up to 64 Kbps over any "B" channel. One "D" channel can control multiple PRI trunks. In these cases, a single "D" channel in one ISDN-PRI trunk handles all signaling and control functions of the other trunks in the arrangement, which allows supplemental trunks to consist of 24 "B" channels.

2. Regulations

.1 ISDN-PRI Service is available to customers where facilities are available. Customers must provide compatible premises switching equipment for terminating the "D" channel and the 1.544 Mbps high capacity digital services facilities.

.2 ISDN-PRI Service is typically divided in capacities of twenty-three 64 Kbps "B" channels and one 64 Kbps "D" channel (23B+D). Term and Volume PRIs also offer twenty-three 64 Kbps and one 64 Kbps Backup "D" channel or twenty-four "B" channels.

.3 The "B" channels can carry switched voice and switched data at up to 64 Kbps. The channels can be configured for voice or data or a combination of voice and data.

.4 The "B" channels can be dedicated to a specific configuration, or, optionally, a group of "B" channels can be shared for access to two or more configurations shown in 7.7 following.

.5 The "D" channel carries the out-of-band signaling required to control its associated "B" channels on one or more 1.544 Mbps high capacity digital services facilities, where technology permits.

.6 The minimum service period for each ISDN-PRI Service is one month.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

2. Regulations (Cont'd)

.7 Where a customer's ISDN-PRI Service interconnects with an interexchange carrier or other service provider, PRI Access is only permitted within a single customer's ISDN-PRI Service Arrangement. Access to the Company's network exchange or switched services are not permitted.

.8 When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. For PRIs served from an alternate central office, the normal PRI rates will apply in addition to the charges for Special Transport Termination and Special Transport (Mileage). When a customer's serving office is part of a Remote Switching Cluster, as defined in Paragraph 3. following, additional Special Transport Termination and Special Transport (Mileage) charges are not applicable.

.9 The General Regulations specified in other catalogs of the Company are applicable to all communications services offered by the Company. Additional regulations pertaining to specific service offerings are specified in various sections of this and other Company tariffs or catalogs.

.10 Customers may utilize alternate high capacity digital facilities (i.e. DS3 or any other compatible higher capacity digital facility that meets the specifications as determined by the Company) in lieu of the local PRI Facility specified herein. The applicable rules, regulations and rates from the appropriate Company tariff (Ill. C.C. No. 15 when riding intrastate facilities and Frontier Telephone Companies Tariff FCC No. 5 when riding interstate facilities) will apply for the alternate high capacity digital facilities.

.11 ISDN-PRI is offered on a month-to-month basis or under optional Term and Volume Plans.

.12 An ISDN-PRI Access without DS1 Facility term commitment period is independent of any term commitment to which the customer may subscribe for alternate facilities from Frontier's intrastate or interstate tariffs.

.13 Telephone numbers for ISDN-PRI are available at rates specified in this catalog, for DID numbers.

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

3. Definitions

"B" Channel - The "B" channel carries digitized customer traffic (voice, data) at 64 Kbps.

"D" Channel - The "D" Channel is a signaling channel at 64 Kbps used to control and route "B" channel traffic.

Intermediary Customer (IC) Services - "B" channels may be dedicated to interconnect with various compatible services provided by other service providers such as interexchange carriers or competitive access providers. The customer shall be responsible for the ordering of these services.

ISDN-PRI Service - provides the communications path between the customer's premises and the equipped central office for access to switched voice and switched data services. Each ISDN-PRI Service employs a Primary Rate Interface (PRI) Facility and Primary Rate Interface (PRI) Access.

ISDN-PRI Service Arrangement - denotes one or more PRI Facilities plus PRI Access arranged together in the same central office or different central office to provide one single service for the same customer.

Primary Rate Interface (PRI) - denotes the connection of a 1.544 Mbps high capacity digital service to the serving central office switch. Software in the central office switch defines 24 channels within the 1.544 Mbps bandwidth of the high capacity digital service. The 24 channels are typically divided into 23 "B" channels plus one "D" channel.

Remote Switching Cluster - exists when the remote switch is dependent on the host switch for its software processing. A remote switch can process only intra-office calls with the host switch. Customers served from a Remote Switching Cluster may subscribe to ISDN-PRI from the host switch at no additional charge, provided the customer's local calling area and telephone numbers are those provided from the remote switch.

Tie Channel Service - provides intercom capability on “B” channels of ISDN-PRI arrangements and other Customized Multiline Telephone Service systems within the same subscriber network (within the same central office or central office to central office). This feature provides the capability to communicate on a private facility basis, as a tie line between Customized Multiline Telephone Service systems served from different central offices. Tie Channels on a single ISDN-PRI arrangement can be configured for intercom calling to a Customized Multiline Telephone Service system and local exchange access for CPE. Calls to telephone numbers outside of a Customized Multiline Telephone Service intercom system will incur usage charges. Tie Channel Service may terminate on CPE at a customer location or at an Intermediary Customer (IC) location.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

4. PRI Features and Definitions

.1 Standard Features

The following B-channel features are offered to the customer, at no additional charge:

Call-by-Call Access - a customer specified arrangement of "B" channels is used to access services available in the ISDN-PRI serving central office switch. The customer will be allowed to mix dedicated services and call-by-call access on the same ISDN-PRI Service. To utilize call-by-call access, the customer must specify, at subscription time, the quantities of channels that will be utilized for a specific service on the ISDN-PRI Service. The "B" channels will be assigned and billed the maximum quantity specified.

D-Channel Backup – in arrangements of two or more ISDN-PRIs, this service provides enhanced continuity of service by allowing a D-channel of one ISDN-PRI to automatically takeover for a failed D-channel of another ISDN-PRI. This feature is only available for Term and Volume customers.

Non-Facility Associated Signaling (NFAS) - allows the D-channel signaling entity to assign calls to channels on more than one PRI digital access line (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI trunk group. Multiple PRIs can be assigned to a PRI trunk group.

Calling Line Number Identification - this feature will allow the delivery of caller ID.

.2 Optional Features

Calling Line Identification with Name - allows the customer to have access to the directory number and name of the calling party. Calling Line Identification with Name is available only where facilities and conditions permit. Compatible CPE is required. Calling Line Identification with Name is offered on a month-to-month basis or for customers subscribing to Term and Volume Plans.

PRI Station Detail Billing - provides individual station call details for all stations utilizing a customer's ISDN-PRI Service at an account level on a monthly basis.

PRI Station Detail billing is only available with measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill.

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

4. PRI Features and Definitions (Cont'd)

.2 Optional Features (Cont'd)

The customer's ISDN-PRI Service must be equipped with Calling Party Default Directory Number with the Calling Party Screening option. Customers will not have the option to change the Calling Party Number and CPN may not be deleted. Customers will have the option to define a partial listing in the screening list. Specific call details will not be provided for stations not included in the screening list. The screening list may not include 800 numbers, fictitious numbers, private network numbers or Customized Multiline Telephone Service dialing plan numbers defined in the screening tables. Station Call Details will only be provided for valid telephone numbers within the switch providing the customer's ISDN-PRI Service.

5. Upgrade of Existing Services

A customer with existing Customized Multiline Telephone Service, PBX, or other local exchange service offerings may elect to upgrade to ISDN-PRI Service. The upgrade will require discontinuance of the existing service and establishment of new service.

6. ISDN-PRI Term and Volume Plans

.1 ISDN-PRI Service is offered on an optional 1-, 2- or 3-year Term and Volume Plan (TVP). The ISDN-PRI Access TVP includes the ISDN-PRI Access, Standard Features, and B-Channel Configurations except for Tie Channel. Packages are available with or without the ISDN-PRI (DS1) Facility and are offered as flat rate voice/data or as measured voice/data. Available PRI Access configurations are 23B + D, 23B + Backup D or 24B. Tie Channels are additional.

.2 During the term commitment period, the customer may add PRI services at the same monthly rate as specified in the initial contract or the customer may add PRI services on a month-to-month or term commitment basis.

.3 Customers under an existing TVP may convert to a new TVP option without incurring termination liability charges provided the value of the new term commitment is of equal or greater value than the remaining value of the existing commitment.

.4 All of a customer's Company provided TVP ISDN-PRIs within the state will count toward the volume commitment threshold. TVP customers may change the number of ISDN PRIs during the TVP period. In the event customers under a TVP plan make subsequent ISDN-PRI increases or decreases that cause the total number of ISDN-PRIs to fall within a different threshold level, all remaining ISDN-PRIs will be billed at the applicable level rate for the remainder of the TVP period.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

6. ISDN-PRI Term and Volume Plans (Cont'd)

.5 The customer must provide the account information of the ISDN-PRIs included in the TVP at the time of the initial installation of service and with each change to the service under the TVP.

.6 Regulations set forth in Paragraph 2. preceding are applicable to ISDN-PRI on a TVP. Customer will be subject to termination liability charges as set forth in this catalog. Termination liability does not apply to optional features. Termination liability charges will not apply when a customer converts from PRI Access and Facility to a PRI Access only when the PRI is connecting to an alternate high capacity facility.

.7 Tie Channels are not included in TVP and will be charged at rates set forth in this catalog.

.1 Each ISDN-PRI Service consists of three basic elements:

- ISDN-PRI Access
- ISDN-PRI DS1 Facility
- "B" Channel Configurations

.2 The following call connection arrangements are available with ISDN-PRI Service. A customer's ISDN-PRI Service Arrangement may be composed of any combination of the following call connections.

.2.1 Central Office to end-user premises - for consolidation of public and private services over an ISDN-PRI Facility to and from a single customer.

.2.2 Central Office to Central Office (via Tie Channel) - to be utilized for Customized Multiline Telephone Service to Customized Multiline Telephone Service or Customized Multiline Telephone Service to end-user configurations, within a single customer's ISDN-PRI Service Arrangement.

.2.3 ISDN-PRI Access to IC Services (via Tie Channel) - to be utilized for Customized Multiline Telephone Service to Customized Multiline Telephone Service or access to an IC's compatible service by a single ISDN-PRI Service Arrangement customer or customer's private network. In this situation, an IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate Company catalog, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

.7 Tie Channels are not included in TVP and will be charged at rates set forth in this catalog.

.3 ISDN-PRI Access

The ISDN-PRI Access provides the switch termination for the PRI Facility. A PRI Access is required to terminate a PRI Facility in an ISDN-PRI serving central office. PRI Access typically provides twenty-three (23) individual "B" channels and one (1) "D" channel.

.4 ISDN-PRI DS1 Facility

The ISDN-PRI DS1 Facility provides a high capacity access path between the customer's premises and the central office.

.5 The PRI Facility utilizes a clear channel 1.544 high capacity digital transport technology for connection to the designated Company ISDN-PRI serving central office switch and for connection between ISDN-PRI central offices. This rate element is required for each PRI Access. Rates and charges for the PRI Access and PRI DS1 Facility are set forth in Paragraph 8. following. Where PRIs are served from an alternate central office, additional rate elements for PRI Special Transport Termination and PRI Special Transport (Mileage) apply for both Month-to-Month and Term and Volume PRIs. Customers may utilize alternate high capacity digital facilities in lieu of the local PRI Facility as set forth in Paragraph 2.10 preceding. The applicable rules, regulations and rates from the appropriate Company catalog will apply for the alternate high capacity digital facilities.

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

7. Rate Structure (Cont'd)

.6 "B" Channel Configurations

"B" channels can be dedicated to a specific service type or a group of "B" channels can be shared for access to two or more service types. The specific services that are accessible via the "B" channels are listed below. Rates and charges for "B" channels are in addition to the PRI Facility and PRI Access rates and charges.

.6.1 Flat Rate "B" Channel Configurations: Access from the local central office to the exchange network for voice and data calls is provided via DID, DOD or Two-Way Trunks.

.6.2 Measured Rate "B" Channel Configurations: Access from the local central office to the exchange network for voice and data calls is provided via DID, DOD or Two-Way Trunks. Usage charges are applicable on all calls. The applicable usage rates are specified in this catalog, for Usage Sensitive Service.

.6.3 Tie Channel to an Intermediary Customer (IC): "B" channels may be specified as dedicated to compatible services of an interexchange carrier or other service provider. The rate for the ISDN-PRI Facility is as specified in Paragraph 8. following. The intermediary customer will be required to order a 1.544 high capacity digital services facility to the customer's ISDN-PRI serving central office from the appropriate Frontier interstate or intrastate access services catalog.

.7 To utilize Call-by-Call access, the customer must specify, at subscription time, the quantities of channels that will be utilized for a specific service (DID, DOD, Tie, etc.) on the ISDN-PRI DS1Facility.

.8 End User charges as specified in the End User Common Access Service Section of Frontier FCC Tariff No. 5 apply as appropriate.

.9 Presubscription of a Carrier of Preference is specified in Section 6 of Frontier Tariff FCC No. 5 and Ill. C.C. No. 15. Based on a customer's ISDN-PRI Access Arrangement, a customer may be able to presubscribe to more than one Carrier of Preference.

.10 The "B" Channel Configuration Database Charge will apply on a per service order basis when the PRI is initially installed. This charge is not applicable to TVP initial installation.

.11 The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks. This charge applies to Month-to-Month and Term and Volume PRIs.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

8. Rates and Charges

The following rates and charges are in addition to all other rates and charges that may be applicable for accessible services which operate in conjunction with ISDN-PRI Service. Service Charges set forth in this catalog are applicable.

		Monthly Rate	Nonrecurring Charge
.1	ISDN-PRI Access, per line	$2,404.70 (I)	$550.00
.2	ISDN-PRI DS1 Facility, [1] per line	$207.00	$350.00
.3	PRI Special Transport Termination, per termination	$35.00	
.4	PRI Special Transport, each airline mile or fraction thereof	$7.86	
.5	"B" Channel Configurations, per channel		
	Flat Rate Channel	$15.00	
	Measured Rate Channel	$5.00 [2]	
.6	"B" Channel Configuration Database Charge, per service order		$75.00
.7	Subsequent Activity Charge, per service order		$200.00

[1] Customers may utilize alternate high capacity digital facilities in lieu of the local ISDN-PRI Facility specified herein. The rules, regulations and rates from Ill. C.C. No. 15 are applicable when using intrastate facilities and Frontier FCC Tariff No. 5 when using interstate facilities.

[2] Usage Charges apply in addition to the monthly channel charge. Applicable usage rates are as set forth for Usage Sensitive Service in this catalog.

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

8. Rates and Charges (Cont'd)

		Monthly Rate
.8	Tie Channel [1], per channel	$5.00
.9	Tie Channel to IC Services [1]	
	1 – 9, per channel	$10.00
	10 or more, per PRI	$100.00
.10	Optional Features	
	Calling Line Identification with Name, per PRI	
	Month to Month	$ 85.00
	2-Year Term	$75.00
	3-Year Term	$70.00
	Term and Volume	$40.00
	PRI Station Detail Billing, per Account	$100.00

ISDN-PRI Customized Multiline Telephone Service Access or ISDN-PRI Voice over Internet Protocol (VOIP) Customized Multiline Telephone Service Access Nonrecurring Charges as set forth in this Catalog always apply. Tie Channels are in addition to the normal channel charges.

General Exchange Catalog

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

8. Rates and Charges (Cont'd)

	2-Year Term Monthly Rate [1]	3-Year Term Monthly Rate [1]
.11 Term and Volume Plan (TVP)		
ISDN-PRI Access System - Flat Rate with DS1 Facility [2], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 to 10 PRIs)	$750.00	$720.00
Package 2 (11 to 20 PRIs)	$700.00	$685.00
Package 3 (21 + PRIs)	$675.00	$650.00
ISDN-PRI Access System - Flat Rate w/o DS1 Facility [2], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 to 10 PRIs)	$615.00	$585.00
Package 2 (11 to 20 PRIs)	$590.00	$570.00
Package 3 (21 + PRIs)	$570.00	$540.00
ISDN-PRI Access System - Measured Rate with DS-1 Facility [3], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 to 10 PRIs)	$505.00	$450.00
Package 2 (11 to 20 PRIs)	$470.00	$425.00
Package 3 (21 + PRIs)	$435.00	$405.00
ISDN-PRI Access System - Measured Rate w/o DS1 Facility [3], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 to 10 PRIs)	$390.00	$335.00
Package 2 (11 to 20 PRIs)	$350.00	$310.00
Package 3 (21 + PRIs)	$315.00	$290.00

[1] Nonrecurring Charges do not apply to the initial installation of a Term and Volume Plan. Service Charges are applicable.
[2] Flat Rate TVP Service will not generate Usage Charges on either voice or data channels.
[3] Usage Charges are as set forth for Usage Sensitive Service in this catalog.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

8. Rates and Charges (Cont'd)

	1-Year Term Monthly Rate [1]	
.11 Term and Volume Plan (TVP) (Cont'd)		
ISDN-PRI Access System - Flat Rate with DS1 Facility [2], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 + PRIs)	$6,750.00	(I)
ISDN-PRI Access System - Flat Rate w/o DS1 Facility [2], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 + PRIs)	$4,819.50	
ISDN-PRI Access System - Measured Rate with DS-1 Facility [3], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 + PRIs)	$3,544.00	(I)
ISDN-PRI Access System - Measured Rate w/o DS1 Facility [3], (23B+D, 23B+Backup D or 24B), per PRI		
Package 1 (1 + PRIs)	$450.00	

[1] Nonrecurring Charges do not apply to the initial installation of a Term and Volume Plan. Service Charges are applicable.
[2] Flat Rate TVP Service will not generate Usage Charges on either voice or data channels.
[3] Usage Charges are as set forth for Usage Sensitive Service in this catalog.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

9. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) Bundle

.1 General

Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) Bundle Service is an optional business package that provides a digital trunk with 23 B-channels for circuit switched voice and data and 1 D-Channel for signaling plus Caller ID and the option of Direct Inward Dialing (DID) numbers.

.2 Regulations

ISDN PRI Bundle Service is available where technically feasible.

The bundles are offered for 2-, 3- and 5-year term commitments. A termination fee of 50% of the Monthly Recurring Charges will incur for the remainder of the term commitment period.

A customer may convert an existing term commitment to a new term commitment prior to the completion of the existing term without penalty. The customer will be charged a Subsequent Activity Charge for the change and will pay the current rates in effect for the term commitment chosen.

When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. For PRIs served from an alternate central office, the normal PRI rates will apply in addition to the charges for Special Transport Termination and Special Transport (Mileage).

ISDN-PRI customers who are served from a foreign node may request to have their service provided from their local central office when facilities become available at that office. The Initial Service Charge and nonrecurring charges for T-1s and ports will be applicable, and termination charges will not apply on that transfer provided that the quantity of T-1s and ports are preserved. Customers who choose to continue service from a foreign node will be subject to the monthly rate for interoffice facilities. In addition, a number change generally will be required on any transfer from a foreign node to a local central office.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

9. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) Bundle (Cont'd)

.2 Regulations (Cont'd)

Ports will be provided at the T-1 level only.

Customer provided equipment used to connect to ISDN-PRI Bundle Service must meet Company requirements.

The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures utilized in the provision of ISDN-PRI Bundle Service render any equipment provided by a customer obsolete or require any modification or alteration of such equipment or system or otherwise affect its use or performance.

The customer must subscribe to services and specify each type of traffic that will be transported across the ISDN-PRI Bundle Service port (i.e., DID, DOD). All rates and regulations for these services will apply. The bundle is offered as flat rate voice with measured data. Usage charges generated by using ISDN-PRI will be measured and billed in accordance with the rates specified in this catalog.

Appropriate nonrecurring charges apply for installation of and changes to ports, T-1s and features ordered by the customer except as set forth in 9.3. following.

INTEGRATED SERVICES DIGITAL NETWORK – PRIMARY RATE INTERFACE (ISDN-PRI)

9. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) Bundle (Cont'd)

.3 Rates and Charges

	Monthly Rate	
2-Year Term [1]		
ISDN-PRI Bundle [2]	$3,375.00	(I)
ISDN-PRI Bundle with 20 DID Numbers [2]	$3,390.00	
ISDN-PRI Bundle with 50 DID Numbers [2]	$3,395.00	
ISDN-PRI Bundle with 100 DID Numbers [2]	$3,400.00	
3-Year Term [1]		
ISDN-PRI Bundle [2]	$3,850.00	
ISDN-PRI Bundle with 20 DID Numbers [2]	$3,865.00	
ISDN-PRI Bundle with 50 DID Numbers [2]	$3,870.00	
ISDN-PRI Bundle with 100 DID Numbers [2]	$3,875.00	
5-Year Term [1]		
ISDN-PRI Bundle [2]	$3,425.00	
ISDN-PRI Bundle with 20 DID Numbers [2]	$3,440.00	
ISDN-PRI Bundle with 50 DID Numbers [2]	$3,445.00	
ISDN-PRI Bundle with 100 DID Numbers [2]	$3,450.00	(I)

[1] Nonrecurring Charges do not apply to the initial installation of an ISDN-PRI Bundle.
[2] Channels activated for data will generate Usage Charges as set forth under ISDN-PRI.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE

1. General

a. Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service is based on Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office-based service arrangement, which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features.

2. Conditions

a. The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Digital (ISDN) Single Line Service and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

b. Digital (ISDN) Single Line Service is available where central office and operating facilities and conditions permit.

c. Digital (ISDN) Single Line Service is offered on a term commitment basis commencing on the date the service is established.

d. Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service until the Digital Single Line Service is discontinued.

e. If remote units are required to provide switching capabilities for intra-communication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital Single Line Service are provided by and remain the property of the Company.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

f. Rates and charges for Digital (ISDN) Single Line Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

g. If ISDN is not available from a customer's normal serving central office, Frontier North Inc., may chose, at the company's discretion to provide service from the nearest ISDN-capable office. If ISDN is available from the customer's normal serving central office, the customer must accept service from that office and ISDN Foreign Central Office/Foreign Exchange is not available to the customer. At the Company's discretion, Digital (ISDN) Single Line Service may be provided to a non-capable central office. In this instance, if the customer is served from a central office/exchange, which has the same local calling area as his normal serving central office/exchange, no Foreign Central Office/Foreign Exchange charges apply. Should the customer be served from a different local calling area from the customer's normal serving central office/exchange, the applicable Foreign Central office/Foreign Exchange charges apply.

When ISDN service becomes available from the customer's normal serving central office, the customer will accept a number change to a number associated with the ISDN serving central office. The customer will be subject to calling areas associated with the normal serving central office, as specified in Frontier North Inc's. If the customer does not wish to take ISDN service from the normal serving central office after the service is available from their office but continues to utilize service from an alternate serving central office, then charges as outlined above will continue to apply.

No charge will apply to transfer the customer back to their normal serving central office as set forth above. Provisioning of ISDN from non-capable ISDN offices is solely at the discretion of the Company.

h. Private Line arrangements or Special Access Services connected with Digital Single Line Service are subject to rates, rules, and conditions as set forth in the appropriate tariffs or catalogs.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

i. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

j. Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from 50^{o} to 86^{o} Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

k. Subsequent Additions, Deletions and Changes

Subsequent line additions will be rated under a new term commitment or an addendum to an existing term commitment based upon the remaining period of the initial term commitment.

l. Termination Liability

In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial term commitment period, the customer shall be liable for payment of termination liability charges as set forth in this catalog.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

m. General

Services offered in accordance with this catalog are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Single Line services will be provided where central office capabilities and conditions permit.

Customer-provided equipment used in conjunction with services provided in accordance with this catalog must conform with the technical specifications of the Company.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications system to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible.

Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted.

A change to Digital (ISDN) Single Line services will cause a temporary interruption of service.

A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of service and will cause a temporary interruption of service. However, all applicable installation and Service Charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

n. Digital (ISDN) Single Line Service

Digital (ISDN) Single Line Service is composed of the following elements:

- Single line access (includes B-Voice/CSD)
- Line/Configuration - choose one or a combination of:
  B-Packet [1], per channel
  D-Packet [1], per channel
- Usage Options - must choose one:

Residence	Business
Measured	Measured
Flat Rate	Flat Rate

Digital (ISDN) Single Line Service is digital exchange service.

Each Packaged Service is associated with a digital local loop, not with a channel.

Each digital local loop is arranged with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

Digital (ISDN) Single Line Access is a service, which terminates a digital local loop at the central office and permits access to the exchange network. Only one Digital (ISDN) Single Line access element is required for each digital local loop.

A customer may order multiple Single Lines.

The B-Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B- Channels of a digital local line. The CSD mode operates at a maximum speed of 64 kbps (Switched 64 kbps) but may be used at a speed of 56 kbps (Switched 56 kbps).

The D-Packet Switched Data Channel [1] allows transmission of packet-switched data over a D-Channel. Subscription to a D-Packet Service [1] without subscription to B-Channel Service is permitted.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

n. Digital (ISDN) Single Line Service

1. Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of 2 channels. If an additional telephone number is required, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this catalog.

2. Digital (ISDN) Single Line Access

Digital (ISDN) Single Line Access provides support for connecting from one to eight terminals belonging to the same customer on an individual digital local line.

Only one user will be connected to each B-Channel. Other users on the same digital local loop can access the D-Channel only.

Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching [1] arrangement. Additional telephone numbers are required for each additional terminal.

A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

n. Digital (ISDN) Single Line Service (Cont'd)

3. Individual Line Loop Extension

Digital (ISDN) Single Line Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Single Line loop from approximately 18,000 feet to approximately 36,000 feet (These distances are for planning purposes. The actual distances are dependent on decibel (dB) loss and not just physical loop length.) This physical extension is accomplished by means of a CO installed power module and an outside plant installed regenerator or U-Repeater.

The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34dB loss at 40kHz in either direction of the field repeater is acceptable. With the Frontier North Inc., engineering practice of maximum loss for the Digital Customized Multiline Telephone Service (ISDN) loop to be 38dB at 40kHz, it is assumed, if the customer's distance would exceed the 38dB for standard installation, the U-Repeater would be mounted within the stated range of 34dB and the customer's length would be extended another 34dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Single Line.

The customer's network access line is pre-engineered to determine when the U-Repeater/power module are required. The customer will not be charged the Digital (ISDN) Single Line Individual Line Loop Extension rate unless the equipment is actually used. The charge will not be invoked based on the cable footage. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module.

o. One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 10XXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service [1].

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

General Exchange Catalog

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features

a. Definitions of the SmartCall Feature Packages and CLASS Features are provided in Section 6 of this catalog.

b. Circuit Switched Data 1000 Package: Data Call Forward, Data Multiline Hunt Group, Data Speed Call 8, and Data Toll Restriction.

c. Circuit Switched Data 2000 Package: Data 1000 Package plus Data Circular Hunting, and Data Speed Call 30.

d. X.25 Basic Package [1]: X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication.

e. X.25 Deluxe Package [1]: X.25 Basic Service (X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication) plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

f. The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

Basic Operating Features [1]	Digital
Feature Name	
Direct Inward Dialing	X
Direct Outward Dialing	X
Automatic Identification of Outward Dial	X
Distinctive Ring	X
Touch Calling	X

Voice Packages Features [2]	Basic
Feature Name	
Analog Shared Directory Number	X
Call Alternation	X
Call Forwarding	X
Conference Calling	X
Drop	X
Feature Inspect	X
Hold	X
Key System Coverage for Analog Lines	X
Multiple Directory Number Buttons	X
Shared Call Appearance of Directory Numbers	X
Speed Calling	X
Time and Date Display	X

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a feature package (2300, 4400, 4900), rather than Digital (ISDN) Single Line Multi-Button Key Set (MBKS) feature packages. An MBKS feature package may be supplemented with SmartCall feature packages by adding those packages to the Digital (ISDN) Single Line rate. Applicable charges will apply as stated elsewhere in this catalog.

[2] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

f. Feature Matrices (Cont'd)

Data Packages Features	CSD1000	CSD2000	X.25 [2]	X.25	DELUXE [2]
Feature Name					
Data Speed Call 8	X	X			
Data Call Forward	X	X			
Data Toll Restriction	X	X			
Data Multiline Hunt Group	X	X			
Data Circular Hunt	X				
Data Speed Call - 30	X				
X.25 Flow control Parameters Negotiation [2]		X	X		
X.25 Incoming Calls Barred [2]				X	X
X.25 Outgoing Calls Barred [2]				X	X
X.25 Reverse Charge [2]				X	X
X.25 Reverse Charge Acceptance [2]				X	X
X.25 Throughput Class Negotiation [2]				X	X
X.25 Transmit Delay Selection/Indication [2]				X	X
X.25 Closed User Groups [2]				X	
X.25 Fast Select [2]				X	
X.25 Fast Select Acceptance [2]				X	
X.25 Hunt Groups [2]				X	
X.25 One-Way Outgoing Logical Channel [2]				X	
X.25 Permanent Virtual Circuit [2]				X	

[1] Feature Packages 2300, 4400, and 4900 can be used with Digital (ISDN) Single Line Service.
[2] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions

Digital (ISDN) Single Line

B-Channel (Bearer Channel). A channel used to carry digitized voice and data information at a speed of 64 kbps.

B-Packet [1] A service which permits a customer to use a B-Channel for packet switched data.

Basic Rate Interface (BRI) [2]. BRI supports two 64 kilobits per second (kbps) B-Channels and one 16 kbps D-Channel (2B+D). (C)

Clear Channel Capability. The capability to transport 64 kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel. The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel). A communications path that operates at 16 kbps in support of network control signals and 9.6 kbps X.25 packet data [1].

D-Packet [1] A service which permits a customer to use a D-Channel for packet switched data. Utilizes 9.6 of the 16 kbps on BRI ISDN D-Channel and allows for more than one data device.

Digital (ISDN) Single Line. Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1-D-Channel.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions

Digital (ISDN) Single Line (Cont'd)

Integrated Services Digital Network (ISDN). A set of standards, which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data [1].

Digital (ISDN) Single Line Access. The central office termination of a BRI Line arranged for access to the public switched network.

Kbps. Kilobits Per Second.
Mbps. Megabits Per Second.
User. A member of a business system.
MBKS. Multi-Button Key Set.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions (Cont'd)

Circuit Switched Data 1000 Package

Data Call Forward allows a customer to forward incoming calls to another telephone number.

Data Multiline Hunt Group provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call 8 allows speed calling over a Circuit Switched Data Channel. Allows storing up to eight numbers.

Data Toll Restriction denies toll calls attempted from Circuit Switched Data Channels.

Circuit Switched Data 2000 Package - includes CSD 1000 Package plus

Data Circular Hunting searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Speed Call 30 allows speed calling over a Circuit Switched Data Channel. Allows storing up to thirty numbers.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions (Cont'd)

X.25 Basic Package [1]

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions (Cont'd)

X.25 Deluxe Package [1]: Includes Basic package plus the following:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group.

X.25 Fast Select allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 Deluxe Package [1]: Includes Basic package plus the following:

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

Individual Services

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

4. MBKS Basic Service

MBKS Basic Service consists of the following:

Drop - Allows a user to disconnect the last party added to a conference call, or the other party if only two parties are conferenced.

Hold - Allows the MBKS set user to place a call on hold by pressing the function button. Any MBKS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Key System Coverage for Analog Lines - Allows an analog station set to share calls with the ISDN station set.

Multiple DN Buttons - Provide access to more than one Directory Number (DN) on the MBKS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Shared Call Appearances of DN - Allows several MBKS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN.

Time and Date Display - Is a subscription feature for ISDN attendants and ISDN station set users. The 5ESS Switch provides the time and date to the ISDN station set.

Analog Shared Directory Number allows analog lines that share directory numbers with ISDN Multi-Button keysets to be assigned to switching modules that do not contain ISDN software.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

4. MBKS Basic Service (Cont'd)

Call Forwarding allows the MBKS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Conference Calling allows the MBKS set user to set up a conference call. The user presses the button and dials the directory number (DN) of the party to be added to the conference. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected simultaneously.

Call Alternation Allows a station user to place one call on hold, make a second call, and talk alternately between the two parties.

Feature Inspect provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure: (1) The Inspect feature button is depressed and (2) the feature or call appearance button to be inspected is depressed. The feature assigned or, for call appearances, call related information is displayed.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

5. Rates

	Monthly Rate	12 Month	36 Month
a. Home Digital Measured (ISDN) Single Line Service			
Non-Recurring Charge [1]	$200.00	$100.00	$0.00
Digital (ISDN) Single Line Access [2]	$24.00	$24.00	$24.00
Usage [3]	$.025	$.02	$.015/MIN/B-CHANNEL
B-Packet [4], per channel	$120.00 [1]	$120.00 [1]	$120.00 [1]
D-Packet [4], per channel	$15.00 [1]	$15.00 [1]	$15.00 [1]
b. Home Digital Flat (ISDN) Single Line Service			
Non-Recurring Charge	$200.00	$100.00	$0.00
Digital (ISDN) Single Line Access [1]	$89.00	$59.00	$39.00
B-Packet [4], per channel	$120.00	$120.00	$120.00
D-Packet [4], per channel	$15.00	$15.00	$15.00

[1] The non-recurring charges will be assessed in lieu of all the network access charges: initial Order Charges and connection charges.

[2] Rate includes b-voice/circuit switched data configuration on both b-channels and Individual Line Loop Extension, if necessary. Local loop rates as specified in this catalog are in addition to the Access Line charges.

[3] Usage applies to all local originating voice and circuit switched data calls.

[4] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

5. Rates (Cont'd)

	Monthly Rate [1]	Nonrecurring Charges
c. Packaged Services (Business or Home)		
MBKS Basic Service, per line	$6.00	$25.00
Data 1000, per line	$3.00	$15.00
Data 2000, per line	$5.00	$15.00
X.25 Basic [2]	NC	NC
X.25 Deluxe [2], per line	$5.00	$15.00
d. Individual Services - Data Direct Connect, per line	$1.00	--
e. Interoffice/intraexchange Transport (per mile or Fraction thereof), per ISDN Single Line	$7.50	--
f. Optional Features		
Additional Directory Numbers, each	$2.00	--
g. Foreign Exchange, per ISDN line	$75.00	--
h. Data Base Changes		
Software Changes [3] Add Line Features		$25.00 [4]

[1] These rates apply in addition to all other ISDN charges.
[2] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.
[3] Applies to changes to existing services.
[4] Data Base Additions or Changes not listed in this catalog will be charged a rate of $25.00 per hour, or fraction thereof.

RESERVED FOR FUTURE USE

Transparent Lan Service has been moved to the grandfathered section effective August 1, 2013.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL

.1 Customized Multiline Telephone Service - SIU Special is a service arrangement available only to Southern Illinois University at Carbondale, Illinois, and consists of Host Central Office Interface equipment and software located on Company premises.

.2 Attendant Features provided via Customized Multiline Telephone Service - SIU Special: Basic - Attendant Access to Paging, Attendant Autodial, Attendant Call Park Recall Timer, Attendant Call Selection, Attendant Camp-On, Attendant Conference, Attendant Console Display, Attendant Locked Loop Operation, Attendant Speed Calling, Attendant Transfer, Attendant Automatic Recall, Attendant Busy Verification, Attendant Call Hold, Attendant Call Park, Attendant Console Test, Attendant Delayed Operation, Attendant Interposition Calls and Transfer, Attendant Lockout, Attendant Multiple Console Operation, Attendant Multiple Listed Directory Numbers, Attendant Position Busy, Attendant Secrecy, Attendant Serial Call, Attendant Straight Forward Outward Call Completion, Attendant Supervisory Console, Attendant Switched Loop Operation, Attendant Trunk Group Busy/Group Access Control through Special Keys, Attendant Through Dialing, Attendant Time Recall Set to Zero, Attendant Trouble Key, Attendant Trunk Group Busy Indication, Attendant Two-Way Splitting, Attendant Uniform Call Distribution from Queue, Attendant Wild Card Key.

System Features provided via Customized Multiline Telephone Service - SIU Special: Basic - (Automatic Line, Automatic Route Selection, Call Forward, Call Pickup, Call Waiting, Call Back Queuing, Call Hold, Call Waiting (Originating), Camp-on with Music, Consultation Hold, Intercom, Meet Me Conference (6 Party), Speed Calling, Call Park, Ring Again, Station Controlled Conference, Three Way Conference/Transfer, Dial Pulse Conversion, Direct Inward Dialing, Direct Outward Dialing, Station To Station Calling); Enhanced - (Distinctive Ring, Executive Busy Override, *66 Busy Number Redial, Music On Hold, Uniform Call Distribution); Station Message Detail Recording, Station Controlled Conference (Large), Customer Data Change, Data Path, Basic and Modem Pooling.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features

Attendant Access to Paging - This feature allows an attendant to gain access to customer-provided loudspeaker paging equipment in order to summon a party over speakers located throughout the customer premises.

Attendant Autodial - This feature permits an attendant to dial frequently called numbers by depressing the autodial feature key, which is programmed with a particular number.

Attendant Automatic Recall - This feature allows a call extended by a system attendant to be automatically returned to the attendant after a predetermined time period upon a busy or no answer condition.

Attendant Busy Verification [1] - This feature allows the attendant to determine whether stations are busy or idle and to break in on a conversation in progress. (T)

Attendant Call Hold - This feature allows the attendant to place a call on hold while answering another call or waiting for the called station to become idle.

Attendant Call Park - This feature allows the attendant to park calls against any Customized Multiline Telephone Service system number in the attendant customer group.

Attendant Call Park Recall Timer - This feature provides a separate timer for each call parked by the attendant.

Attendant Call Selection - This feature enables an attendant to answer incoming calls as they are received, regardless of the incoming call type, or by manually selecting a specific incoming call type.

Attendant Camp On - This feature allows the attendant to extend a call to a busy station. The busy station will ring and be connected to the waiting call when it becomes idle.

[1] Service is discontinued.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Attendant Conference - This feature allows the attendant to establish a six-port conference call (not including the attendant).

Attendant Console Display - This feature displays call information (call identifier, called digits, and caller information) when the attendant answers.

Attendant Console Test - This feature allows an attendant or maintenance person to test the functional operations of a console.

Attendant Delayed Operation - This feature allows an attendant to place a call for a calling station while the calling station waits on-hook.

Attendant Interposition Calls and Transfer - This feature allows an attendant to call, speak to, and transfer a call to another attendant.

Attendant Locked Loop Operation - This feature allows an attendant to hold a call on loop. The call does not remain physically connected to the loop, but the loop is not available for new call arrivals.

Attendant Lockout - This feature restricts the attendant from re-entering a call on a held loop unless recalled by a station user or by an automatic recall.

Attendant Multiple Console Operation - This feature allows for the assignment of a maximum of 255 consoles. These consoles can be assigned to one large customer group or to several customer groups.

Attendant Multiple Listed Directory Numbers - This feature assigns certain Customized Multiline Telephone Service system numbers to lamp indicators on the attendant console.

Attendant Position Busy - This feature allows the attendant to make the console unavailable to any additional calls.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Attendant Secrecy - This feature allows the attendant to talk to a called party without the calling party hearing the conversation. When the attendant releases from the call, the called and calling parties are connected.

Attendant Serial Call - This feature allows an attendant to extend a call to more than one station.

Attendant Speed Calling - This feature allows an attendant to dial frequently called numbers by depressing a speed-call key and dialing one or two digits instead of all digits in the number.

Attendant Straight Forward Outward Call Completion - This feature allows a station user in a customer group to have the attendant extend a call outside the customer group. The station user may remain off-hook while the attendant extends the call.

Attendant Supervisory Console - This feature allows an attendant to call a supervisor for assistance and to extend a call to a supervisor for subsequent call handling. It also allows the supervisor to monitor the progress of an attendant and to give assistance while the attendant is handling a call.

Attendant Switched Loop Operation - This feature allows each console to be assigned one through six loops to provide the attendant with voice access to all calls routed to the console. Only one call is connected to a console at any one time.

Attendant Through Dialing - This feature allows the attendant to select the trunk facility through a Customized Multiline Telephone Service station in the same customer group and send dial tone to the station user.

Attendant Timed Recall Set to Zero - This feature allows a customer to cancel the automatic recall feature for a specific customer group by inputting a zero (infinite) value for the appropriate attendant recall timers.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Attendant Transfer - This feature allows a station to activate a call transfer to the attendant. If the station goes on-hook before the attendant answers, the call is queued for the attendant.

Attendant Trouble Key - This feature allows an attendant to indicate a problem in the handling of a particular call.

Attendant Trunk Group Busy/Group Access Control through Special Keys - This feature allows the attendant to restrict access by stations to trunk groups and outside lines. When control is activated, calls to these facilities are routed to the attendant for completion.

Attendant Trunk Group Busy Indication - This feature allows an attendant to determine the status of a trunk group by depressing a key.

Attendant Two-Way Splitting - This feature allows the attendant to talk privately to either the calling party or the called party.

Attendant Uniform Call Distribution from Queue - This feature provides for a uniform distribution of calls from the attendant queue to a group of attendant consoles.

Attendant Wild Card Key - This feature allows an attendant to use the wild card key to invoke special features not directly available through a feature key on the console.

Automatic Line - This feature provides an automatic connection between a calling station that goes off-hook and a predetermined location.

Automatic Route Selection - This feature provides directed routing to the users preferred trunk route list (FX, WATS [1], Tie Lines, etc.).

Basic and Modem Pooling - This feature provides the station user the analog modem required when a data unit is called by a modem or another data unit, or when a data unit is calling a modem or another data unit, over analog facilities.

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Call Back Queuing - This feature allows a station user encountering an all trunk busy condition the option of being notified when a trunk becomes idle and automatically being connected to the called number.

Call Forwarding (Busy, All, No Answer) - This feature provides for the automatic forwarding of a station's incoming calls to a predetermined number. All calls may be forwarded, or only calls reaching a no answer or busy condition.

Call Hold - This feature allows a station user to place a call-in progress on hold.

Call Park - This feature allows a station user to park a call and then retrieve it again from the same or a different station.

Call Pickup - This feature allows a station user to answer incoming calls to another station within his defined pickup group.

Call Transfer (All Incoming Only, Internal) - This feature allows a station user to contact a third party while on a call, establish a three-way conversation and then drop off allowing the two other parties to remain connected (Call Transfer-All). The call transfer function may be restricted to incoming calls only or to calls within a particular customer group.

Call Waiting - This feature provides a burst of tone to inform a busy station user that another call is waiting.

Call Waiting (Originating) - This feature allows a station user to initiate the call waiting feature to a busy station within his customer group.

Camp-On with Music - This feature allows the connection of music to the calling party when the caller is camped-on to the destination.

Consultation Hold - This feature allows the initiator of a 3 Way Call or transfer to speak privately with the third party before completing the connection.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Customer Data Change - This feature allows the end user to change line options, features, and Customized Multiline Telephone Service system number assignments.

Data Path - This feature prohibits interruption to a busy line by any sort of secondary call.

Dial Pulse Conversion - This feature provides for dial pulse or Touch Calling signaling.

Direct Inward Dialing (DID) - This feature allows incoming calls from the exchange network to reach a specific station without attendant assistance.

Direct Outward Dialing (DOD) - This feature allows station users to place external calls to the exchange network without attendant assistance.

Distinctive Ring - This feature provides different ringing patterns for internal and external calls.

Executive Busy Override - This feature allows a station user to access a busy station.

Intercom - This feature allows station users to dial other stations within the same customer group on an intercom basis.

*66 Busy Number Redial - This feature allows a station user to redial the last number dialed by utilizing an access code.

Meet Me Conference (Six Party) - This feature allows a user to arrange a conference in advance by instructing all conferees to dial a specific access code at a given time.

Music on Hold - This feature allows the customer to provide music to the calling party when he has been placed on hold.

Ring Again - This feature allows the user to monitor a busy number within the Customized Multiline Telephone Service system and receive notification when the called station becomes free.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 Definitions of Features (Cont'd)

Speed Calling Group - This feature allows more than one station to have access to a shared speed calling (long) list.

Speed Calling Individual (Long) - This feature allows a user to dial an individual list of selected numbers using an access code and two digits.

Speed Calling Individual (Short) - This feature allows a user to dial an individual list of selected numbers using an access code and one digit.

Station Controlled Conference - This feature allows the station user to establish a conference call consisting of more than three conferees (maximum six) without the assistance of the attendant.

Station Controlled Conference (Large) - This feature allows establishment of the preset conference with up to 25 conferees by dialing speed preset conference directory numbers (maximum 3 conferences in the system).

Station Message Detail Recording - This feature provides the capability to accumulate call detail information from each station.

Station to Station Calling - This feature allows station users to call each other using station extension numbers.

Three Way Conference - This feature allows a station user to add a third party to the conversation. (See Consultation Hold and Call Transfer).

Uniform Call Distribution - This feature provides for call distribution over a hunt group by connecting to the one which has been idle longest.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

1. GENERAL (Cont'd)

.3 Liability of the Telephone Company

.3.1 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Customized Multiline Telephone Service - SIU Special features. Credit adjustments for interruptions of service will be made as provided in other Tariffs or catalogs of the Company.

.3.2 The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Customized Multiline Telephone Service - SIU Special and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

2. CONDITIONS

.1 In the case of the Customized Multiline Telephone Service - SIU Special, the Company will furnish one alpha and one classified directory listing per Customized Multiline Telephone Service - SIU Special. Additional listings are offered subject to the provisions outlined as set forth in other Tariffs or catalogs of the Company.

.2 The rates and charges shown for Customized Multiline Telephone Service - SIU Special apply to standard installations of the Service. Other services as provided for in other Catalogs of the Company may be furnished in connection with this service at rates and charges specified for such services.

.3 Each request for establishment of a Customized Multiline Telephone Service - SIU Special must be placed in writing by the customer. Should the customer elect to cancel such a request after acceptance by the Company and before the start of the initial contract period described below, he may do so subject to notice in writing and payment to the Company for all resulting nonrecoverable labor and material costs.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

2. CONDITIONS (Cont'd)

.4 Customized Multiline Telephone Service - SIU Special is offered only on a contractual basis, commencing on the date the Service is established. In addition to any applicable nonrecurring charges, monthly rates apply as follows:

.4.1 Monthly rates apply for each month of the contract period. The customer's monthly rate becomes fixed at the amount specified in this Catalog on the date installation work is completed and will not change during the contract period. Rates will be renegotiated with the customer at the end of the contract period.

.5 In the event that the Customized Multiline Telephone Service - SIU Special is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

.5.1 In the event of termination of Customized Multiline Telephone Service - SIU Special during the contract period, the customer will remain liable for the balance of the contract period rates adjusted to their then present worth equivalent, based upon a 12% discount rate, which shall upon any such termination immediately become due and payable in their entirety.

.6 When Customized Multiline Telephone Service - SIU Special is provided, any manual operations at the customer's premises are performed by, and at the expense of, the customer.

.6.1 Upon request, the Company will correct a failure caused by customer-initiated software changes, will update software records, or make subsequent line and/or feature additions on a time and material basis at labor rates as specified following:

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

2. CONDITIONS (Cont'd)

.6 (Cont'd)

.6.1 (Cont'd)

Labor Period	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
(a) Basic Time, Business Day, per Technician	$45.23	$15.78
(b) Overtime Outside the Business Day, per Technician [1]	$48.73	$19.28
(c) Premium Time Outside the Business Day, per Technician*	$55.74	$26.29

[1] A call out of a Company employee at a time not consecutive with the business day is subject to a minimum charge of four hours.

.6.2 Basic Time rates apply for the time the Telephone Company is open for business, Monday through Friday. Overtime rates apply any time outside the business day and all-day Saturday. Premium rates apply all day Sunday and on all Telephone Company approved holidays.

.7 Rotary dial stations are not capable of accessing all Customized Multiline Telephone Service - SIU Special features shown in Paragraph 1.2 of this Section.

.8 A Customized Multiline Telephone Service - SIU Special line may be extended to a location outside the same continuous property of the Customized Multiline Telephone Service customer to any location within the Carbondale exchange. Mileage Charges, as set forth in other Catalogs of the Company, will apply to such off-premises extension lines. Such charges shall be measured from the location of the serving host central office to the off-premises location.

.9 Customized Multiline Telephone Service - SIU Special system lines are not subject to Business Exchange Service or Usage Sensitive Service rates set forth in other Catalogs of the Company. However, Call Connection and Minutes of Use Rates set forth in other Catalogs of the Company apply to exchange and zone usage originating from a Customized Multiline Telephone Service system. The maximum monthly billing for usage will be calculated utilizing 401 equivalent trunks.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– SIU SPECIAL

2. CONDITIONS (Cont'd)

.10 Customized Multiline Telephone Service - SIU Special system lines are not subject to the Business Touch Calling Rate set forth in other Catalogs of the Company.

.11 This Catalog contemplates the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

.12 This Catalog (including the rates and charges shown herein) for Customized Multiline Telephone Service - SIU Special is subject to such changes or modifications as the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

.13 Direct Inward Dialing Charges set forth in other Catalogs of the Company do not apply to Customized Multiline Telephone Service - SIU Special lines.

3. RATES

.1 The following rates apply exclusively to Southern Illinois University at Carbondale, Illinois, and contemplates up to 10,000 one party lines.

.1.1 The contract period for Customized Multiline Telephone Service - SIU Special provided to Southern Illinois University is 120 months beginning November 1, 1994.

.1.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs or Catalogs.

	Monthly Rate
a. Lines 0 through 10,000 (Includes all Host Central Office Interface Equipment and Software.)	
Lines 0 through 7,359, per month	$13,003.00
Lines 7,360 through 10,000, per month	$10,756.00

NOTE: The monthly rate shown herein does not include the provision of stations.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

1. GENERAL

.1 Customized Multiline Telephone Service - WIU SPECIAL is a service arrangement available only to Western Illinois University at Macomb, Illinois, and consists of Host Central Office Interface equipment and software located on Company premises.

.2 Features provided via Customized Multiline Telephone Service - WIU SPECIAL Host Central Office Interface Equipment and software include: Station Message Detail Reporting, Automatic Route Selection, Authorization Code, Account Code, Direct Inward Dialing, Direct Outward Dialing, Hunt Group, Flexible Intercept, Meet-me Conference, Night Service, Call Park, Attendant Camp-on, Call Hold, Three-Way Conference/Transfer, Speed Call, Call Back Queuing, Call Forwarding, Call Pick-up, Executive Busy Override, Call Waiting, Automatic Recall, Music On Hold, Class of Service with Restrictions, Code Restrictions, Expensive Route Warning Tone, Maintenance and Administrative Position Display for Operational Measurements, Access-Special Service Facilities, Station to Station Calling, Attendant Conference, Attendant Console Display, Busy Verification with Barge In, Attendant Call Detail Entry, Position Busy, Serial Calls, Through Dialing, Attendant Control of Trunk Group Access, Trunk Group Busy Indications, Two-Way Splitting, Uniform Call Distribution from Queue, Time and Charge Reporting.

.2.1 DEFINITIONS OF FEATURES

Access - Special Service Facilities - This feature allows access to foreign exchange lines, tie-lines and WATS [1] lines by the attendant or station users by dialing an access code. Access is subject to class-of service restrictions.

Account Code - This feature allows the station user to enter a code (billing number) into a station message detail recording (SMDR) record for chargeback purposes.

Attendant Call Detail Entry - This feature allows the attendant to enter cost allocation information to a Station Message Detail Report record.

Attendant Camp-On - This feature allows the attendant to extend an incoming call to a busy station so that when the busy station becomes idle, it will automatically ring and be connected to the waiting call.

[1] Wide Area Telecommunication Service (WATS) offering is grandfathered as of August 1, 2013 and limited to existing subscribers at their existing locations.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

1. GENERAL (cont'd)

.2 (Cont'd)

.2.1 DEFINITIONS OF FEATURES (Cont'd)

Automatic Recall - This feature includes two automatic timers, one for don't answer and call-waiting recalls, and one for camped-on recalls. The recall intervals may be set from 12 through 60 seconds.

Automatic Route Selection - This feature provides for the automatic search of a trunk route list for an idle outgoing trunk.

*Busy Verification with Barge In [1] - This feature allows an attendant to determine whether stations or trunks are busy or idle and break in on a conversation.

Call Back Queuing - This feature allows a station user encountering an all trunks busy condition to be notified when a trunk becomes idle and be automatically connected to the called number.

Call Forwarding (All Calls, Busy, No Answer) - This feature provides for incoming calls to a station to be automatically forwarded to a predetermined telephone number.

Call Hold - This feature allows the attendant to hold up to six calls.

Call Park - This feature allows the attendant to park calls against any directory number in the attendant customer group. The call may be retrieved from any station by dialing the retrieval access code and the directory number.

Call Pick-Up - This feature allows a station to answer incoming calls to another station within a defined pick-up group.

Call Waiting - This feature provides audible ringing to the calling party when a busy station is reached. The called busy station will receive a call waiting tone and may then acknowledge the incoming caller if he chooses to do so.

[1] Service has been discontinued.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 DEFINITIONS OF FEATURES (Cont'd)

Class of Service with Restrictions - This feature provides the capability to allow or deny individual station features.

Code Restrictions - This feature allows the customer to allow or block one or more, three through ten-digit numbers, when these numbers are dialed by selected stations within the customer group.

Direct Inward Dialing (DID) - This feature allows incoming calls from the exchange network to reach a specific customer group

Direct Outward Dialing (DOD) - This feature allows station users to place external calls to the exchange network without attendant assistance by dialing the DOD access code, and then the external numbers.

Executive Busy Override - This feature allows a station user to access a busy station by flashing the hook switch and dialing a feature code.

Expensive Route Warning Tone - This feature provides a warning tone to indicate the selection of an expensive route.

Flexible Intercept - This feature provides for the automatic rerouting of calls that cannot be completed due to imposed restrictions.

Hunt Group (Directory Number/Multiline/Distributed Line) - This feature allows the switch to complete a call using a sequence of alternate lines when it encounters a busy condition at the dialed station.

Maintenance and Administrative Position Display for Attendant Operational Measurements - This feature consists of hardware and software which allows the Customer to perform general maintenance, network management, trunk and line testing, operational measurements, service analysis and data modification.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 DEFINITIONS OF FEATURES (Cont'd)

Meet Me Conference - This feature provides a six-party conference bridge and a number for the parties to dial at a specified time to hold a conference.

Music on Hold - This feature provides music to the calling party when he has been placed on hold.

Night Service (Fixed/Variable) - This feature provides for the handling of calls in the absence of the attendant. The calls may be routed to predesignated locations (fixed) or to routing programmed by the attendant (variable).

Position Busy - This feature allows the attendant to make the console unavailable to additional queued calls.

Serial Calls - This feature allows the attendant to extend a call to more than one station while the calling party remains on the line.

Speed Call (8 or 30) - This feature allows a user to place calls to a designated list of frequently called numbers by dialing an asterisk and one or two digits.

Station Message Detail Reporting - This feature provides a record of chargeable and nonchargeable calls for each customer group.

Station to Station Calling - This feature allows station users to call each other without attendant assistance by dialing a two through seven-digit number.

Three-Way Conference/Transfer - This feature allows a station user to establish three-way conference calls beyond the limits of the transfer type defined for the customer group and to hold and transfer a call to another station within the same customer group.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

1. GENERAL (Cont'd)

.2 (Cont'd)

.2.1 DEFINITIONS OF FEATURES (Cont'd)

Through Dialing - This feature allows a restricted station user to complete a call through the attendant.

Time and Charge Reporting - This feature allows call back of charges to the subscriber from 1+ calls originated from designated lines.

Trunk Group Busy Indication - This feature allows for the displaying of trunk group status on the attendant console.

Two-Way Splitting - This feature allows the attendant to talk privately to either the called or calling party.

Uniform Call Distribution from Queue - This feature provides for uniform distribution of calls from the attendant queue to a group of attendant consoles.

.3 LIABILITY OF THE TELEPHONE COMPANY

.3.1 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Customized Multiline Telephone Service - WIU SPECIAL features. Credit adjustments for interruptions of service will be made as provided in other Tariffs or catalogs of the Company.

.3.2 The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Customized Multiline Telephone Service - WIU SPECIAL and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

2. CONDITIONS

.1 In the case of the Customized Multiline Telephone Service - WIU SPECIAL, the Company will furnish one alpha and one classified directory listing, without charge. Additional listings are offered subject to the provisions outlined in other Tariffs or catalogs of the Company.

.2 The rates and charges shown for Customized Multiline Telephone Service - WIU SPECIAL apply to standard installations of the Service. Other services as provided for in the Tariffs or catalog of the Company may be furnished in connection with this service at rates and charges specified for such services.

.3 The request for establishment of a Customized Multiline Telephone Service - WIU SPECIAL must be placed in writing by the customer. Should the customer elect to cancel such a request after acceptance by the Company and before the start of the initial contract period described below, he may do so subject to notice in writing and payment to the Company for all resulting nonrecoverable labor and material costs.

.4 Customized Multiline Telephone Service - WIU SPECIAL is offered only on a contractual basis, commencing on the date the Service is established. In addition to applicable nonrecurring charges, two monthly rate elements apply as follows:

.4.1 Level "A" rates apply for each month of the contract period. Each customer's Level "A" monthly rate becomes fixed at the amount specified in this Catalog on the date installation work is completed and will not change during the contract period. At the end of the contract period Level "A" monthly rates no longer apply.

.4.2 Level "B" rates apply monthly for as long as the system is in service. These rates are subject to change and will be billed at the amounts that the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

2. CONDITIONS (Cont'd)

.5 In the event that the Customized Multiline Telephone Service - WIU SPECIAL is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

.5.1 In the event of termination of Customized Multiline Telephone Service - WIU SPECIAL during the contract period, the customer will remain liable for the balance of the Level "A" rates adjusted to their then present worth equivalent, based upon a 15% discount rate, which shall upon any such termination immediately become due and payable in their entirety.

.6 The continuation of any services that span fiscal year boundaries or the validity of orders which are executed by the State prior to the applicable appropriation bill becoming law shall be contingent upon the appropriation by the legislature or federal funding source of funds to fulfill the requirements of the order. If sufficient funds are not appropriated to provide for continuation of a service, the service shall terminate on the first date in any fiscal year on which sufficient funds are no longer available. The State will give 30 days or as much notice as possible of an appropriation problem. The State agrees (1) not to effect termination under this provision for the purpose of replacing this service with functionally similar service provided by others; (2) that it will use its best efforts to obtain approval of necessary funds to continue the service by taking the appropriate action to request adequate funds to continue the service in force; and (3) that this provision is not considered a convenience termination. In the event that any service contemplated between the state and the Company involves the use of any federal funds, the state, shall inform the Company of 1) the source, nature, and purpose of the federal funds, 2) the amount of the service to be paid for by federal funds, 3) the period of time for which the funds have been committed, and 4) whether the federal funding source, at the time of ordering, intends to renew the funding in subsequent years.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

2. CONDITIONS (Cont'd)

.7 When Customized Multiline Telephone Service - WIU SPECIAL is provided, all manual operations at the customer's premises are performed by, and at the expense of, the customer.

.7.1 Upon request, the Company will correct a failure caused by customer-initiated software changes, will update software records, or make subsequent line and/or feature additions on a time and material basis at labor rates as specified following:

Labor Period	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
a. Basic Time, Business Day, Per Technician	$45.23	$15.78
b. Overtime, Outside the Business Day, Per Technician*	$48.73	$19.28
c. Premium Time, Outside the Business Day, Per Technician*	$55.74	$26.29

.7.2 Basic Time rates apply for the time the Telephone Company is open for business, Monday through Friday. Overtime rates apply any time outside the business day and all-day Saturday. Premium rates apply all day Sunday and on all Telephone Company approved holidays.

.8 Rotary dial stations are not capable of accessing all Customized Multiline Telephone Service - WIU SPECIAL features shown in 1.2 of this Section.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

2. CONDITIONS (Cont'd)

.9 Mileage Charges, as set forth in other Catalogs of the Company, will apply for any station not located on the same continuous property of its serving Remote Line Concentrator Module. Such charges shall apply in addition to applicable station charges and shall be measured from the location of the serving Remote Line Concentrator Module or from the host central office, whichever is closer, to the location of the off-premises station.

.10 Appropriate Business Exchange Service Rates set forth in other Tariffs or Catalogs of the Company apply to local trunks utilized in conjunction with Customized Multiline Telephone Service - WIU SPECIAL.

.11 This Catalog (including the rates and charges shown herein) for Customized Multiline Telephone Service - WIU SPECIAL is subject to such changes or modifications as the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

.12 Customized Multiline Telephone Service - WIU SPECIAL lines are not subject to the Business Touch Calling rate set forth in other Catalogs of the Company.

.13 Direct Inward Dialing Charges set forth in other Catalogs of the Company do not apply to Customized Multiline Telephone Service - WIU SPECIAL lines.

.14 This Catalog contemplates the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

3. RATES

.1 The following rates and charges apply exclusively to Western Illinois University at Macomb, Illinois, and contemplates up to 2896 one party or four party lines. This service is offered to Western Illinois University as of August 10, 1987.

.1.1 The initial contract period for Customized Multiline Telephone Service - WIU SPECIAL provided to Western Illinois University is 72 months.

.1.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Catalogs.

	Monthly Rate
a. Lines 0 through 2896 (Includes all Host Central Office Interface Equipment and Software).	
a.1 Level A	$7,352.00
a.2 Level B	$3,728.00

NOTES: 1. Line rates shown herein do not include the provision of stations.
2. All subsequent line and/or feature additions will be subject to the System Data Base Program Change Charge as set forth in other Catalogs of the Company.
3. Any training hours will be chargeable to the customer based upon "Cost" as defined in other Catalogs of the Company.

General Exchange Catalog

CUSTOMIZED MULTILINE TELEPHONE SERVICE– WIU SPECIAL

3. RATES (Cont'd)

.2 The following rates and charges apply exclusively to Western Illinois University at Macomb, Illinois, for the upgrade of their Customized Multiline Telephone Service - WIU SPECIAL, for provision of an additional 3200 one party lines. This upgrade is offered to Western Illinois University as of August 10, 1987.

.2.1 The initial contract period for Customized Multiline Telephone Service - WIU SPECIAL upgrade provided to Western Illinois University is 60 months.

.2.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Catalogs and in the notes following.

	Monthly Rate
a. Lines 2897 through 6096 (Includes all Host Central Office Interface Equipment and Software)	
a.1 Level A	$4,882.00
a.2 Level B	$2,084.00
b. DS1 Access (2 DS1's and Interface Cards)	469.00

NOTES:
1. Line rates shown herein do not include the provision of stations.
2. Any training hours will be chargeable to the customer based upon "Cost" as defined in other Tariffs or catalogs of the Company.
3. All subsequent line and/or feature additions will be subject to the System Data Base Program Change Charge as set forth in other Tariffs or Catalogs of the Company.
4. A nonrecurring charge of $166,760.00 applies to the Customized Multiline Telephone Service - WIU SPECIAL upgrade provided Western Illinois University at Macomb, Illinois, and includes connection of the quantity of lines requested and their associated features and all system cabling. The nonrecurring charge shall be rendered to the Company upon completion of the upgrade.

BUNDLED SERVICES

1. FRONTIER LOCAL CALLING PLAN AND REGIONAL ESSENTIALS – Grandfathered as of June 28, 2019 (C) (C)

.1 GENERAL

Frontier Local Calling Plan and Regional Essentials provide a combination of services available as a package to residential customers. A multiline customer can select a Frontier Local Calling Plan on one or more of their lines.

.2 SERVICES

The following services are included in the package offerings:

.2.1 Flat-rated Network Access Line

.2.2 Unlimited Local Directory Assistance

.2.3 Service Ordering and Line Connection Charges associated with the initial order or for any subsequent changes to the service

.2.4 Choice of Calling Services as shown below:

*69 Call Return	Distinctive Ring
Anonymous Call Block/Rejection	Do Not Disturb
*66 Busy Number Redial	Priority Call
Call Block	Selective Call Forward
Call Forwarding	Speed Call 8 [1]
Call Waiting/ Cancel Call Waiting	Speed Call 30
Caller ID	3 Way Calling

a. Regional Essentials- choice of any or all of the above Calling Services

b. Frontier Local Calling Plan - choice of any three (3) of the above Calling Services

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

BUNDLED SERVICES

1. FRONTIER LOCAL CALLING PLAN AND REGIONAL ESSENTIALS – Grandfathered as of June 28, 2019 (Cont'd)

.3 CONDITIONS

.3.1 Frontier Local Calling Plan and Regional Essentials are not available with the following:

- any other package or bundled offering on the same line
- Lifeline Assistance
- employee concession service
- ISDN Service

.3.2 Services are offered where facilities permit.

.4 RATES

	Monthly Rate	
Regional Essentials[1, 2]	$48.95 [3]	(I)
Frontier Local Calling Plan[1]	$46.95	(I)

[1] Customers subscribing to Frontier Local Calling Plan or Regional Essentials qualify for the 5 cents a Minute Plan, an Optional Calling Plan, as set forth in this catalog.

[2] Customers subscribing to Regional Essentials can subscribe to Call Intercept [3], a Calling Services feature, at a discounted monthly rate. See other sections of this catalog for conditions, feature description and rate.

[3] This service is grandfathered to existing customers at existing locations.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM

.1 GENERAL

.1.1 Flexible Telephone System is classified as a business service and is offered as a complete service package that includes the exchange access, intercommunication and other services. Flexible Telephone System is a customized package for business with a minimum of 2 lines and a maximum of 30 lines per business group. (Exception: There is a six-line limit in the DMS 10 central office.)

.1.2 Flexible Telephone System is furnished from compatible digital switching equipment located on the Telephone Company premises and includes the facilities necessary for intercommunication between lines within the customer's system.

.1.3 Flexible Telephone System Service provides Local Exchange Service, direct inward-dialing to lines, identification and billing of outgoing long distance messages by line number where such billing is done by the Telephone Company and intercept to the main listed number.

.1.4 Flexible Telephone System Service cannot be mixed with Customized Multiline Telephone Service Classes of Service and features. The customer may add any combination of standard individual lines and hunt groups and choose services from within the offered Flexible Telephone System package for each line or hunt group.

.1.5 Flexible Telephone System is furnished subject to the availability of facilities from suitably equipped central offices.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.2 CONDITIONS

.2.1 Service Options

Basic Services – Services included with a Flexible Telephone System service line:

Assume Dial "9"
Call Transfer – (All Calls)
Call Hold
Consultation Hold
Distinctive Ring (Inside/Outside Ringing)
Direct Outward Dial (DOD)
Direct Inward Dial (DID)
Intercom Dialing
3 Way Calling

Selectable Services – Services listed in this section are available for each Flexible Telephone System line at no additional charge. A customer may customize his service by selecting as many of the following services as desired for each individual Flexible Telephone System line:

Automatic Callback (within system only)
Call Forward No Answer
Call Restrictions (8 Options):
Call Restriction One
Call Restriction Two
Call Restriction Three
Call Restriction Four
Call Restriction Five
Call Restriction Six
Call Forward Busy
Basic Call Forward
No Call Restrictions
Call Waiting/Cancel Call Waiting
Call Pick-up Group
Dial Call Waiting-Originating
Hunting
Speed Call (6 or 8)
Call Restriction Seven

Optional Services listed in this section are also available for each Flexible Telephone System line at an additional monthly recurring charge per feature:

*66 Busy Number Redial
Call Block
Call Park
Call Park Directed
*69 Call Return
Caller ID-Number Only
Caller ID
Call Trace [1]
Executive Busy Override
Selective Call Forward
Priority Call

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.2 CONDITIONS (Cont'd)

.2.2 Term Options

Flexible Telephone System customers may select either a month-to-month or a 24-month term option. The term agreement becomes effective upon the installation date of the service.

Flexible Telephone System payment options may be selected by billing account number within a customer's system.

.2.3 Adding Lines Under Term Option

Additional Flexible Telephone System lines may be added to an existing system, up to a maximum of 30, during the term period. For customers subscribing to the 24-month term option, the term obligation with respect to any additional lines will be coterminous with such 24-month term.

.2.4 Termination Liability

When a Flexible Telephone System customer chooses a 24-month term option and disconnects or terminates the Flexible Telephone System service after 30 days following installation, the customer will be liable for applicable early termination charges as set forth in this catalog.

.2.5 Transfer of Term Option

With the written permission of the Telephone Company, the obligation to pay the Flexible Telephone System charges for the remainder of the term period may be assigned to another customer, provided there is no change of location and the new customer assumes all outstanding charges.

[1] This service must be purchased from Calling Services at rates set forth in this Catalog.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.2 CONDITIONS (Cont'd)

.2.6 Flexible Telephone System Service System

Flexible Telephone System service lines sharing a common intercom arrangement and a primary Directory listing will be considered a Flexible Telephone System Service System. A system must have a minimum of two lines and may not exceed a maximum of thirty Flexible Telephone System Service lines. Flexible Telephone System Service is classified as a business service and is offered only as a complete service. If the Flexible Telephone System falls below two lines, it will no longer be considered a Flexible Telephone System. The remaining line will be converted to an individual business line with no features. All existing catalog rules, regulations, rates and charges associated with the conversion will apply.

.2.7 Incoming Toll Free Service Access Arrangement

Incoming calls on toll free service access lines can be terminated on a Flexible Telephone System. Incoming calls terminated in this manner may be transferred to other lines of the same Flexible Telephone System.

.2.8 Off-Premises Lines

Flexible Telephone System Service lines can be provided at a separate customer premises. No mileage charges apply to lines of the same Flexible Telephone System Service system that are located at different premises but situated within the same central office serving area.

.2.9 Feature Restriction

Call Transfer, 3 Way Calling, Call Forwarding Busy, Call Forwarding No Answer and Call Forwarding may generate local, regional toll or long distance usage charges. If generated, these charges are the responsibility of the Flexible Telephone System customer.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.2 CONDITIONS (Cont'd)

.2.10 Customer Satisfaction Guarantee

When a customer subscribes to the month-to-month option or the 24-month term option of Flexible Telephone System Service, he must request that the Telephone Company disconnect the service within 30 calendar days of installation to be entitled to a full credit of any charges directly associated with the establishment of the service as well as the monthly charges billed for the service. In addition, customers who are not satisfied with their Flexible Telephone System Service may have their previous Frontier North Inc., service reinstalled, at no cost, in accordance with the following terms and conditions:

Customers who had no previous service and subsequently elect to have their Flexible Telephone System Service disconnected will be converted by the Telephone Company to Frontier North Inc., business lines or trunks at no additional non-recurring charge to them. However, the lines cannot exceed the total number of lines in the Flexible Telephone System that the customer is disconnecting without incurring non-recurring charges. Customers will not be permitted to convert back to a service, which has been "grandfathered".

The refund of any charges directly associated with the establishment of the service or monthly charges will be applied as a credit to the customer's bill.

Credit refunds will not be available for toll charges incurred or on E911 and other like surcharges.

Each customer will be entitled to a credit refund, one time per service.

The Customer Satisfaction Guarantee applies to the service as a whole and not the individual services offered with this service.

The Customer Satisfaction Guarantee does not extend to any Customer Provided Equipment (CPE) used in conjunction with this service, nor does it apply to time and material charges incurred.

The Customer Satisfaction Guarantee does not apply to the installation of temporary service.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES

.3.1 Flexible Telephone System Basic Services

The services listed here are automatically included on every Flexible Telephone System line, and are the backbone of the Flexible Telephone System offering:

Assume Dial "9" - Allows the customer to place calls outside the group without having to dial the access code "9".

Direct Inward Dial (DID) - The ability of each member of the Flexible Telephone System group to receive calls from outside the group directly to their station.

Direct Outward Dial (DOD) - The ability of each member of the Flexible Telephone System group to place calls to locations outside the group without first having to dial a "9" access code or use an attendant.

Distinctive Ring (Inside/Outside Ringing) - This feature allows the user to distinguish between calls originating from within the Flexible Telephone System group and calls originated from outside the Flexible Telephone System group. Calls originating from inside the group will receive one ring, and calls originated from outside the group will receive a double ring.

Call Transfer (All Calls) - The ability for a Flexible Telephone System line to transfer an established incoming call to another line. The "transfer to line" location may be inside the group or outside the group. This service may generate local, regional toll or long distance usage charges. If generated, these charges are the responsibility of the Flexible Telephone System customer.

Call Hold – The ability to place an established call on hold for an extended period of time by dialing the feature code *01. This frees the line to place or receive another call. Only one call can be put on hold at a time per line.

Consultation Hold - A temporary or soft hold activated by a hook-switch flash or link button that will place a call-in progress on hold and activate dial tone. The dial tone enables the user to make another call for private consultation or to activate a three-way call.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.1 Flexible Telephone System Basic Services (Cont'd)

3 Way Calling - Provides the user with the ability to add a third party, from within the group or outside the group, to any established call for a three-way conference arrangement. This service may generate local, regional toll or long distance usage charges. If generated, these charges are the responsibility of the Flexible Telephone System customer.

Intercom Dialing - Provides the customer with the ability to communicate between lines within the customer's own Flexible Telephone System group by dialing a two-digit code instead of having to dial the full 7 or 10 digit telephone number.

.3.2 Flexible Telephone System Selectable Services

The following services may be selected at no charge by the customer and may be placed on any Line or Hunt Group of the customers choosing.

Automatic Callback (within system only) - When a Flexible Telephone System user reaches a busy line within the Flexible Telephone System group, a code (*52) may be dialed which allows the call to be connected when both lines are idle. This feature is for use inside the Flexible Telephone System group only, and only one request at a time from a line is permitted. The request will remain active for a period of time not to exceed 30 minutes unless it is deactivated, by dialing a code (#52), earlier by the originator.

Call Forward Busy - A fixed feature, provisioned by the Telephone Company using data provided by the customer, to automatically route all incoming calls to another number (either inside or outside the group) when the called line is busy. Calls forwarded outside the Flexible Telephone System group are subject to local and/or long distance charges billed to the Flexible Telephone System customer.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.2 Flexible Telephone System Selectable Services (Cont'd)

The following services may be selected at no charge by the customer and may be placed on any Line or Hunt Group of the customers choosing.

Automatic Callback (within system only) - When a Flexible Telephone System user reaches a busy line within the Flexible Telephone System group, a code (*52) may be dialed which allows the call to be connected when both lines are idle. This feature is for use inside the Flexible Telephone System group only, and only one request at a time from a line is permitted. The request will remain active for a period of time not to exceed 30 minutes unless it is deactivated, by dialing a code (#52), earlier by the originator.

Call Forward Busy - A fixed feature, provisioned by the Telephone Company using data provided by the customer, to automatically route all incoming calls to another number (either inside or outside the group) when the called line is busy. Calls forwarded outside the Flexible Telephone System group are subject to local and/or long distance charges billed to the Flexible Telephone System customer.

Call Forward No Answer - A fixed feature, provisioned by the Telephone Company using data provided by the customer, to automatically route all incoming calls to another number (either inside or outside the group) when the called line is not answered in a predetermined number of rings/seconds. Calls forwarded outside the Flexible Telephone System group are subject to local and/or long distance charges billed to the Flexible Telephone System customer.

Basic Call Forward - Allows the customer to have all incoming calls routed to another number (either inside or outside the group). The user chooses and provisions the forwarded to number and may change the forwarded to number as often as they wish. The user also has the ability to turn the feature off and on as needed to better serve the user's needs.

Calls forwarded outside the Flexible Telephone System group are subject to local and/or long distance charges billed to the Flexible Telephone System customer.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.2 Flexible Telephone System Selectable Services (Cont'd)

Call Waiting/ Cancel Call Waiting - When a busy Flexible Telephone System line receives an incoming call, a tone is heard announcing that an incoming call is being received. The user then has the option of either placing their present call on hold and answering the incoming call or to disregard the call. The calling party will receive ringing tone instead of a busy tone. The user may terminate the Call Waiting feature at any time by dialing the Cancel Call Waiting Code (*70). Canceling the Call Waiting Feature is good for only one call and must be repeated for each call the user does not wish to be interrupted by the call waiting tone.

Dial Call Waiting-Originating - When a user calls another member of the Flexible Telephone System group, and reaches a busy signal, the user can dial a code (*54) to send a call waiting tone to the called line. The called line, upon hearing the tones, can terminate the call-in progress, place the call-in progress on hold, or disregard the call waiting tone. This feature can be activated or deactivated by the user.

Call Pick-Up Group - This feature allows the user to answer (pick-up) any call directed to any other line within the users Pick-Up Group simply by dialing a Call Pick-Up Code (*17).

Hunting – Hunting allows the customer to eliminate busy signals and increase the Company's accessibility by expanding call coverage. Hunting begins with a call to a Lead number or Pilot number, and searches for an idle line beginning with the first number of a pre-assigned hunt group and ending with the last number in the group. Hunting for Flexible Telephone System customers will be provided in a Series or Multiline arrangement only and must be programmed by the Company from data provided by the customer.

Note: Circular or any other type hunting sequence is not available to Flexible Telephone System customers.

Speed Call (6 or 8) - This feature allows the user to make calls to frequently dialed numbers by using an abbreviated code for each number. Consists of (8) numbers in all switch types except the 5ESS, which will only provide (6). This is a customer programmable feature, and each user will have their own list.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.2 Flexible Telephone System Selectable Services (Cont'd)

Call Restriction Options (8 options) - The customer has the option of choosing the type call restriction desired for each individual line. The customer request for each line must be identified on the service order so the line can be provisioned with the proper line class code and call blocking services.

TYPES OF CALL RESTRICTIONS ARE:

(1) No Call Restrictions - This option allows the user to make and receive calls without any restrictions of any kind.

(2) Call Restriction One - This option blocks all outgoing chargeable toll calls including all operator calls. It does allow outgoing local calls (outside the group), 8XX calls, local DA calls, repair calls, and 911 calls only. This option allows all incoming calls with no restrictions.

(3) Call Restriction Two - This option blocks all outgoing direct dialed chargeable toll calls, but allows outgoing operator handled calls for class call screening (3rd number, collect, or credit card only), local calls (outside the group), 8XX calling, local DA calls, repair calls, and 911 calls. This option allows all incoming calls with no restrictions.

(4) Call Restriction Three - The user is not permitted to make any outgoing calls to numbers outside the Flexible Telephone System group (toll or local, Including 911). This option allows all incoming calls with no restrictions.

(5) Call Restriction Four - The user cannot make or receive calls to or from outside the Flexible Telephone System group (including 911). Only inside the group (intercom) calling is allowed.

(6) Call Restriction Five – This option blocks all 900, 700 and 976 type calls. This type of call restriction may be added to the No Call Restriction class of service as required.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.2 Flexible Telephone System Selectable Services (Cont'd)

TYPES OF CALL RESTRICTIONS ARE: (Cont'd)

(7) Call Restriction Six – This option blocks all casual dialing (101XXXX) type calls. This type of call restriction may be added to the No Call Restriction class of service as required.

(8) Call Restriction Seven – This option blocks all international type calls. This type of call restriction may be added to the No Call Restriction class of service as required.

.3.3 Flexible Telephone System Optional Services

These services may be selected by the customer and may be added to any line or hunt group of the customers choosing, however there will be additional charges for these services.

*66 Busy Number Redial - This feature allows the user that attempts a call to a busy line, within their defined calling area, to dial a code (*66) and be automatically connected to that line when both lines are idle. Once activated, a 30 minute queuing process begins with a voice prompt advising the user that the network will attempt the call again. The user will be alerted with a special ring when the call is returned.

Call Block - This feature provides the user the ability to block up to twelve external telephone numbers, of their choosing, from terminating a call to the user's line. The numbers the user chooses to block must be from the user's defined calling area. Calls from outside the user's defined calling area and operator calls cannot be blocked. Once activated any calls from these twelve numbers will be routed to an intercept message instead of completing.

Call Park - This feature allows the user to "park" a call against their own number, and then retrieve the call from any other station in the group. Only one call can be parked on any one number at a time.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.3 Flexible Telephone System Optional Services (Cont'd)

Call Park Directed - This feature is an enhanced call park feature and enables the user to "park" a call on any number within the Flexible Telephone System group, except their own number, and then retrieve the call from the number the call was parked on. Only one call can be parked on any one number at a time.

*69 Call Return Call Return- *69 Call Return Call Return allows a customer to obtain information about the last incoming call when the service is activated by dialing *69 Call Return. Upon dialing *69 Call Return, information associated with the last incoming call is announced if it is available from the network and the calling party has not blocked the calling information. Depending on the serving central office, the date and time of the call may also be announced. When a telephone number is announced, it may not always identify the calling party and, in some cases, cannot be used to return the call automatically or by manual dial back.

If possible, the service may also allow a customer to return the call automatically by dialing "1". *69 Call Return Call Return cannot automatically return all calls. When a telephone number is announced, the customer is instructed to dial "1" to return the call automatically. If the customer dials "1" and the line associated with the called number is busy, the call is queued for up to 30 minutes or until both lines are idle. When both lines are idle, the customer is given an indication with a Distinctive Ring pattern that the network will attempt to set up the call. Once the customer answers the distinctive ring, the network attempts to set up the call.

This feature is offered on a monthly subscription or per activation basis. Per activation customers are charged upon announcement of information associated with the last incoming call. The charge applies regardless of whether the customer attempts to return the call by dialing "1" and regardless of whether the announced number identifies the calling party or can be used to return the call automatically or by manual dial back. Additional charges associated with calls returned using *69 Call Return Call Return will apply.

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.3 Flexible Telephone System Optional Services (Cont'd)

*69 Call Return Call Return (Cont'd)

General Disclaimer/Conditions: Custom Local Area Signaling Services are applicable to calls placed to/from compatible central offices or within a compatible central office offering the service. These services are offered based on information stored within the switch or provided to the switch through call setup signaling and are subject to limitations associated with the availability and content of that information.

Rates and Charges: Per activation customers are charged upon announcement of information associated with the last incoming call. The charge applies regardless of whether the customer attempts to return the call by dialing "1" and regardless of whether the announced number identifies the calling party or can be used to return the call automatically or by manual dial back.

Caller ID - This feature allows the user (with compatible CPE) to view the telephone number and listed name (LN) of the incoming call (typically by the second ring) before answering the call or choosing to ignore it. The name and telephone number of the caller may not be displayed for every incoming call. "Out of Area," "Unavailable," the calling party's state name, or a similar message may appear for certain calls, including (i) calls made through certain networks, (ii) operator-assisted calls, calls from toll-free numbers, calling card calls, and international calls, (iii) when phone number or caller name information is not made available to Frontier, (iv) for certain telephone numbers for which Frontier does not purchase Caller ID information, and (v) for other technical reasons. In addition, "Private," "Anonymous" or a similar message may appear when the caller has blocked caller identification information.

Caller ID-Number Only - This feature allows the user (with compatible CPE) to view the telephone number of the incoming call (typically by the second ring) before answering the call or choosing to ignore it. Telephone numbers of incoming callers will be forwarded for non-blocked calls subject to technical and other limitations, including the availability of the number for forwarding.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.3 FEATURES (Cont'd)

.3.3 Flexible Telephone System Optional Services (Cont'd)

Executive Busy Override - This feature allows the user, upon reaching a busy line inside the group, to dial a code (*40) to gain access to the busy line, thus establishing a three-way call. The called number must be in the Flexible Telephone System group and will receive a warning tone prior to the establishment of the three-way conference call.

Selective Call Forward - This feature allows the user the ability to program up to twelve telephone numbers of their choosing that they want call forwarded. When one of the numbers on the user's list calls, that call will be forwarded to the number the user has programmed to receive the call. Calls from all other numbers will be handled in the normal manner. If call forwarding all calls is activated, it will override this feature.

Priority Call - This feature provides the user the ability to program up to twelve telephone numbers that can be distinguished from all other incoming call numbers. A special ring (short-long-short) will be used to notify the user of a call from one of the numbers on their special list. This feature will not work on a hunt group pilot number.

.4 RATES

	Monthly Rate	24-Month Term Monthly Rate
.4.1 Flexible Telephone System Service Lines, each line [1]	$25.00	$22.00

Basic Package Includes:
Assume Dial "9"
Call Transfer (All Calls)
Call Hold
Consultation Hold
Distinctive Ring (Inside/Outside Ringing)
Direct Inward Dialing (DID)
Direct Outward Dialing (DOD)
Intercom Dialing
3 Way Calling

[1] Usage Charges are applicable to all local calls, except for Flexible Telephone System intercom calls, as set forth in this Catalog.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.4 RATES (Cont'd)

	Monthly Rate	24-Month Term Monthly Rate
.4.2 Flexible Telephone System Selectable Services: [1]		
Automatic Callback (within system only)	--	--
Call Forward Busy	--	--
Call Forward No Answer	--	--
Basic Call Forward	--	--
Call Restrictions:		
No Call Restrictions	--	--
Call Restriction One	--	--
Call Restriction Two	--	--
Call Restriction Three	--	--
Call Restriction Four	--	--
Call Restrict ion Five	--	--
Call Restriction Six	--	--
Call Restriction Seven	--	--
Call Waiting/Cancel Call Waiting	--	--
Dial Call Waiting-Originating	--	--
Call Pick-Up Group	--	--
Hunting	--	--
Speed Call (6 or 8)	--	--

[1] Usage Charges are applicable to all local calls, except for Flexible Telephone System intercom calls, as set forth in this Catalog.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.4 RATES (Cont'd)

.4.3 Flexible Telephone System Service Optional Services

	Monthly Rate
*66 Busy Number Redial	$3.00
Call Block	$2.00
Call Park	$2.00
Call Park Directed	$2.00
*69 Call Return	$3.00
Caller ID-Number Only	$5.00
Caller ID	$6.00
Executive Busy Override	$3.00
Selective Call Forward	$3.00
Priority Call	$2.00

.4.4 Foreign Central Office

When the Flexible Telephone System station line is located in a different central office area of the serving exchange, the Foreign Central Office charges will apply as specified in this Catalog.

.4.5 Service Order Activity

Service Charges as set forth in this Catalog will apply for Flexible Telephone System Service.

The Initial Service Charge, the Subsequent Service Charge and the Line Connection Charges as identified this Catalog will not apply to the initial installation of Flexible Telephone System lines when installed under a term commitment.

General Exchange Catalog

BUNDLED SERVICES

2. FLEXIBLE TELEPHONE SYSTEM (Cont'd)

.4 RATES (Cont'd)

.4.5 Service Order Activity (Cont'd)

If a customer elects to change from a Business Line or Customized Multiline Telephone Service to Flexible Telephone System Service or from Flexible Telephone System Service to Customized Multiline Telephone Service, a Subsequent Order Charge will apply, but Line Connection Charges will not apply.

No service charges will apply for Flexible Telephone System custom calling and CLASS services if installed initially with the Flexible Telephone System. When those services are added or rearranged on an existing line subsequent to the installation of the Flexible Telephone System, the appropriate service charges will apply.

.4.6 Foreign Exchange Service

Foreign Exchange Service is permitted with Flexible Telephone System Service at rates and charges specified in this Catalog.

BUNDLED SERVICES

3. FRONTIER REGIONAL CALLING PLAN – Grandfathered as of June 28, 2019

.1 GENERAL

Frontier Regional Calling Plan provides a combination of services available as a package to residential customers. A multiline customer can select a package service on one or more of their lines.

.2 SERVICES

The following services are included in the package offering:

.2.1 Flat-rated Network Access Line

.2.2 Unlimited Direct-Dialed Intrastate IntraLATA Toll

.2.3 Service Ordering and Line Connection Charges associated with the initial order or for any subsequent changes to the service.

.2.4 Choice of Calling Services listed below:

Call Waiting/Cancel Call Waiting	Speed Call 30
Caller ID	3 Way Calling
Speed Call 8 [1]	

.3 CONDITIONS

.3.1 Frontier Regional Calling Plan is not available with the following:
- any other package or bundled offering on the same line
- employee concession service
- ISDN Service
- Foreign Exchange Service

.3.2 Services are offered where facilities permit.

.4 RATES

	Monthly Rate	
Frontier Regional Calling Plan	$50.99	(I)

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

BUNDLED SERVICES

4. REGIONAL CALLING EXTRA – Grandfathered as of June 28, 2019 (C)

.1 GENERAL

Regional Calling Extra provides a combination of services available as a package to residential customers. A multiline customer can select a package on one or more of their lines.

.2 SERVICES

The following services are included in the package offering:

.2.1 Flat-rated Network Access Line

.2.2 Unlimited Local Directory Assistance

.2.3 Unlimited Direct-Dialed Intrastate IntraLATA Toll

.2.4 Service Ordering and Line Connection Charges associated with the initial order or for any subsequent changes to the service

.2.5 Choice of Calling Services listed below:

*69 Call Return	Distinctive Ring
Anonymous Call Block/Rejection	Do Not Disturb
*66 Busy Number Redial	Priority Call
Call Block	Selective Call Forward
Basic Call Forward	Speed Call 8 [2]
Call Intercept [1]	Speed Call 30
Call Waiting/Cancel Call Waiting	3 Way Calling
Caller ID	

[1] This service is grandfathered to existing customers at existing locations.
[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

BUNDLED SERVICES

4. REGIONAL CALLING EXTRA – Grandfathered as of June 28, 2019 (Cont'd)

.3 CONDITIONS

.3.1 Regional Calling Extra is not available with the following:

- any other package or bundled offering on the same line
- employee concession service
- ISDN Service
- Foreign Exchange Service

.3.2 Services are offered where facilities permit.

.4 RATES

	Monthly Rate	
Regional Calling Extra	$55.99	(I)

BUNDLED SERVICES

5. REGIONAL CALLING VALUE – Grandfathered as of June 28, 2019

.1 GENERAL

Regional Calling Value provides a combination of services available as a package to residential customers. A multiline customer can select a package service on one or more of their lines.

.2 SERVICES

The following services are included in the package offering:

.2.1 Flat-rated Network Access Line

.2.2 Unlimited Direct-Dialed Intrastate IntraLATA Toll

.2.3 Service Ordering and Line Connection Charges associated with the initial order or for any subsequent changes to the service

.3 CONDITIONS

.3.1 Regional Calling Value is not available with the following:

- any other package or bundled offering on the same line
- employee concession service
- ISDN Service
- Foreign Exchange Service

.3.2 Services are offered where facilities permit.

.4 RATES

	Monthly Rate	
Regional Calling Value	$31.04	(I)

BUNDLED SERVICES

5. REGIONAL CALLING VALUE – Grandfathered as of June 28, 2019 (Cont'd) (C)

.5 BUNDLE DISCOUNTS

A monthly discount may apply when Regional Calling Value is bundled with an unlimited long distance calling plan plus the following:

	Regional Calling Value Bundle Discount
Online Broadband (speeds as specified by Frontier)	$5.00
Direct TV through Frontier (Total Choice or higher priced Direct TV product)	$5.00
Online Broadband (speeds as specified by Frontier) and Direct TV through Frontier (Total Choice or higher priced Direct TV product)	$10.00

The applicable bundle discount will apply for the entire 12 month term of the customer's commitment, from the date it is implemented on a customer's account. If prior to the end of the 12-month term, the customer removes either the qualified long distance plan or any of the other products that entitle the customer to the Bundle Discount, the customer will lose the discount for Regional Calling Value, but no termination liability will apply. Customers are limited to one discount only and cannot combine discounts. Each product must be billed by Frontier North Inc. Bundle discounts are subject to billing system capability.

Qualifying unlimited long distance calling plans must be consistent with the Plan O Service - Unlimited as found in the Frontier Long Distance Posted Rates, Terms and Conditions.

For customers subscribed to Regional Calling Value Bundle Discounts, Frontier may elect to extend the offer for an additional 12-month period at a discount equal to or less than the discount described above.

BUNDLED SERVICES

6. REGIONAL ESSENTIALS – Grandfathered as of June 28, 2019

.1 GENERAL

Regional Essentials provides a combination of services available as a package to residential customers. A multiline customer can select a package service on one or more of their lines.

.2 SERVICES

The following services are included in the package offering:

.2.1 Flat-rated Network Access Line

.2.2 Unlimited Direct-Dialed Intrastate IntraLATA Toll

.2.3 Service Ordering and Line Connection Charges associated with the initial order or for any subsequent changes to the service.

.2.4 Choice of Calling Services listed below:

Call Waiting/Cancel Call Waiting
Caller ID

.3 CONDITIONS

.3.1 Regional Essentials is not available with the following:

- any other package or bundled offering on the same line
- employee concession service
- ISDN Service
- Foreign Exchange Service

.3.2 Services are offered where facilities permit.

.4 RATES

	Monthly Rate	
Regional Essentials	$41.04	(I)

BUNDLED SERVICES

6. REGIONAL ESSENTIALS – Grandfathered as of June 28, 2019 (Cont'd) (C)

.5 BUNDLE DISCOUNTS

A monthly discount may apply when Regional Essentials is bundled with an unlimited long distance calling plan plus the following:

	Regional Essentials Discount
Online Broadband (as specified by Frontier)	$5.00 (through October 31, 2008)
Online Broadband (as specified by Frontier)	$10.00 (on or after November 1, 2008)
Direct TV through Frontier (Total Choice or higher)	$7.99 (through May 1, 2008)
	$0.00 (May 2, through October 31, 2008)
Direct TV through Frontier (Total Choice or higher priced Direct TV product)	$10.00 (on or after November 1, 2008)
Online Broadband (as specified by Frontier) Direct TV through Frontier (Total Choice or higher)	$5.00 (through October 31, 2008)
Online Broadband (as specified by Frontier) and Direct TV through Frontier (Total Choice or higher priced Direct TV product)	$10.00 (on or after November1, 2008)

The applicable bundle discount will apply for the entire 12-month term of the customer's commitment from the date it is implemented on a customer's account. If prior to the end of the 12-month term the customer removes either the qualified long distance plan or any of the other products that entitle the customer to the Bundle Discount, the customer will lose the discount for Regional Essentials, but no termination liability will apply. Customers are limited to one discount only and cannot combine discounts. Each product must be billed by Frontier North Inc. Bundle discounts are subject to billing system capability.

Qualifying unlimited long distance calling plans must be consistent with the Plan O Service - Unlimited as found in the Frontier Long Distance Posted Rates, Terms and Conditions.

For customers subscribed to Regional Essentials Bundle Discounts, Frontier may elect to extend the offer for an additional 12-month period at a discount equal to or less than the discount described above.

BUNDLED SERVICES

7. UNLIMITED LOCAL USAGE FOR BUSINESS and UNLIMITED LOCAL AND TOLL USAGE FOR BUSINESS

.1 GENERAL

The Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business packages are optional, month-to-month calling plans available to business customers with Basic Exchange Access Line Business Service (B1), Customized Multiline Telephone Service or Flexible Telephone System. The plans provide unlimited local or local and intraMSA toll voice usage for a flat monthly rate within the customer's home exchange, Extended Area Service exchanges, and intraMSA exchanges, where facilities permit.

.2 CONDITIONS

.2.1 Monthly rates for Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business apply per line in addition to B1, Customized Multiline Telephone Service or Flexible Telephone System monthly line rates.

.2.2 Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business are only available to business customers who subscribe to Frontier North Inc. as their carrier for all local and intraMSA toll calls.

.2.3 Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business are available to business customers who subscribe to 25 or fewer Frontier North Inc. lines (voice grade or voice grade equivalent) per location at the time service is initiated. Eligible business customers may subscribe to Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business for a maximum of ten (10) lines per location.

.2.4 Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business packages are not available with the following services:

- ISDN Service
- Remote Call Forward Service
- Auto Universal Call Distribution (ACD/UCD)
- PBX Trunks
- Foreign Exchange Service
- Foreign Central Office Service
- Customer Owned Pay Telephone (COPT)
- Ground start lines or trunks

General Exchange Catalog

BUNDLED SERVICES

7. UNLIMITED LOCAL USAGE FOR BUSINESS and UNLIMITED LOCAL AND TOLL USAGE FOR BUSINESS (Cont'd)

.2 CONDITIONS (Cont'd)

.2.5 Unlimited Local and Toll Usage for Business is not available in combination with other optional calling plans or virtual private network services.

.2.6 Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business do not apply to the following calls or services:

- Operator Handled Calls
- Verification/Interrupt Services
- Calling Card Calls
- 555, 700, 900, 976 Services
- Mass announcement services
- Time, lottery or weather calls
- Directory Assistance Service (Local and National)
- Directory Assistance Call Completion Service
- Per Activation Calls (*66 Busy Number Redial, *69 Call Return, 3 Way Calling, Call Trace)

.2.7 These services may only be used for voice applications and may not be used for the transmission of data, for internet connections, or for any other non-voice application. The services may also not be used for autodialing. Frontier North Inc. reserves the right to restrict the number of other services and/or equipment furnished or used in connection with any particular class of service in order to prevent any impairment in the quality of service furnished. If the customer uses the service for any non-eligible purpose, including, but not limited to, the examples noted above, the Company may suspend, restrict or cancel the service. Details on calls made will not be available for these services.

.2.8 Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business are available on a Month-to-Month basis or on a One-Year Term commitment. Term agreements are applied per line and are not required to be co-terminus. At the end of the term period or any subsequent renewal, the agreement will automatically be renewed for successive One-Year Terms on the same terms and conditions, unless either party provides advance notice that it does not wish to renew the term. Each subsequent renewal will allow for a 60 day grace period for subscriber to remove the plan without penalty. Pricing will remain the same during any automatic renewal unless Frontier North Inc., has provided 30 days notice of any change.

General Exchange Catalog

BUNDLED SERVICES

7. UNLIMITED LOCAL USAGE FOR BUSINESS and UNLIMITED LOCAL AND TOLL USAGE FOR BUSINESS (Cont'd)

.2 CONDITIONS (Cont'd)

.2.9 In the event the customer terminates service within the first 60 days, starting on the Order Completion Date, the customer will be liable for the monthly charges for the service previously on and no termination liability will be applied. If the customer terminates service after 60 calendar days and prior to the completion of the term commitment period, the customer shall be liable for an early termination charge of 25% of the monthly recurring charge for the remainder of the term per line.

An early termination charge will not apply under the following circumstances.

a. Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;
b. Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or
c. Customer changes to another service or usage plan or upgrades service or usage under a term commitment, and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment.

.3 FEATURE PACKAGES

.3.1 Feature Package One is available for the customer with Unlimited Local and Toll Usage for Business on a B1 line. Feature Package One includes Call Forwarding, Call Waiting/Cancel Call Waiting and/or 3 Way Calling. The customer may choose any single feature, a combination of any two features, or all three features for the same rate.

.3.2 Feature Package Two is available for the customer with Unlimited Local and Toll Usage on a B1 line, Flexible Telephone System line or Customized Multiline Telephone Service. Feature Package Two includes Caller ID and/or Voice Messaging [1]. The customer may choose either or both features. If the customer selects Caller ID and also subscribes to Call Waiting, the customer may choose to have Call Waiting ID at the same rate.

[1] Voice Messaging is a deregulated service.

General Exchange Catalog

BUNDLED SERVICES

7. UNLIMITED LOCAL USAGE FOR BUSINESS and UNLIMITED LOCAL AND TOLL USAGE FOR BUSINESS (Cont'd)

.3 FEATURE PACKAGES (Cont'd)

.3.3 Feature Package Three is available for the customer with Unlimited Local and Toll Usage on a B1 line, Flexible Telephone System or Customized Multiline Telephone Service line. Feature Package Three includes Caller ID and/or One Point Voice Messaging [1]. The customer may choose either or both features. If the customer selects Caller ID and also subscribes to Call Waiting, Call Waiting ID will be offered for the same rate.

.4 RATES

		Monthly Rate
.4.1	Unlimited Local Usage for Business [2, 3]	
	a. Month-to-Month	$ 7.00
	b. One-Year Term	5.00
.4.2	Unlimited Local and Toll Usage for Business [2, 3]	
	a. Month-to-Month	$ 16.00
	b. One-Year Term	12.00
.4.3	Unlimited Local and Toll Usage for Business Feature Packages [4, 5]	
	a. Feature Package One	7.00
	b. Feature Package Two	13.00
	c. Feature Package Three	16.00

[1] One Point Voice Messaging is a deregulated service.

[2] Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business do not include a B1, Customized Multiline Telephone Service, or Flexible Telephone System line. Monthly rates for Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business apply in addition to the monthly line rates associated with these services.

[3] Nonrecurring charges, as set forth in this catalog**,** are not applicable for customers ordering Unlimited Local Usage for Business and Unlimited Local and Toll Usage for Business on an existing B1, Customized Multiline Telephone Service, or Custom Line Telephone Service line.

[4] Monthly rates for Feature Packages apply in addition to the monthly rate for Month-to-Month or One-Year Term Unlimited Local and Toll Usage for Business.

[5] Nonrecurring charges as set forth in this catalog are not applicable when ordering Feature Packages on existing B1, Customized Multiline Telephone Service, or Flexible Telephone System lines with Unlimited Local and Toll Usage for Business. Minor Software Change Charge in this catalog, does not apply when added to a Customized Multiline Telephone Service line.

General Exchange Catalog

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES

.1 GENERAL

.1.1 Unlimited DTL and Unlimited Flexible Telephone System Basic Packages are optional business flat rated usage packages with a network access line, calling features and specified nonregulated services offered for a one-year or three-year term commitment. Customers must purchase at least one (1) Expansion Line. Expansion Lines are offered on a monthly basis per each additional line ordered.

.1.2 The following two (2) options are available:

a. Unlimited DTL Basic Package

Unlimited DTL Basic Package includes the following:

- One (1) Network Access Line
- Unlimited Local Calling
- Unlimited Intrastate IntraMSA Toll Calling
- Choice of one to five (1 - 5) of the following calling features:

  - Basic Call Forward
  - Call Waiting/Cancel Call Waiting
  - Caller ID
  - 3 Way Calling
  - deregulated voice messaging service

Unlimited DTL Expansion Lines

At least one Expansion Line is required with each Unlimited DTL Basic Package. The following two (2) options are available:

General Exchange Catalog

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES

.1 GENERAL (Cont'd)

.1.2 The following two (2) options are available: (Cont'd)

Unlimited DTL Expansion Lines

a.1 Expansion Lines Without Unlimited Calling

DTL Expansion Lines Without Unlimited Calling include the following:

- One (1) Network Access Line
- Choice of one to five (1 - 5) of the following calling features:

  - Basic Call Forward
  - Call Waiting/Cancel Call Waiting
  - Caller ID
  - 3 Way Calling
  - deregulated voice messaging service

a.2 Expansion Lines with Unlimited Calling

DTL Expansion Lines with Unlimited Calling include the following:

- One (1) Network Access Line
- Unlimited Local Calling
- Unlimited Intrastate IntraMSA Toll Calling
- Choice of one to five (1 - 5) of the following calling features:

  - Basic Call Forward
  - Call Waiting/Cancel Call Waiting
  - Caller ID
  - 3 Way Calling
  - deregulated voice messaging service

General Exchange Catalog

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.1 GENERAL (Cont'd)

.1.2 The following two (2) options are available: (Cont'd)

b. Unlimited Flexible Telephone System Basic Package

Unlimited Flexible Telephone System Basic Package includes the following:

- One (1) Flexible Telephone System Line
- Unlimited Local Calling
- Unlimited Intrastate IntraMSA Toll Calling
- Choice of one or both of the following calling features:

  - Caller ID
  - deregulated voice messaging service

Unlimited Flexible Telephone System Expansion Lines

At least one Expansion Line is required with each Unlimited Flexible Telephone System Basic Package. The following two (2) options are available:

b.1 Expansion Lines Without Unlimited Calling

Flexible Telephone System Expansion Lines Without Unlimited Calling include the following:

- One (1) Flexible Telephone System Line
- Choice of one or both of the following calling features:

  - Caller ID
  - deregulated voice messaging service

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.1 GENERAL (Cont'd)

.1.2 The following two (2) options are available: (Cont'd)

b. Unlimited Flexible Telephone System Basic Package (Cont'd)

Unlimited Flexible Telephone System Expansion Lines (Cont'd)

b.2 Expansion Lines with Unlimited Calling

Flexible Telephone System Expansion Lines with Unlimited Calling include the following:

- One (1) Flexible Telephone System Line
- Unlimited Local Calling
- Unlimited Intrastate IntraMSA Toll Calling
- Choice of one or both of the following calling features:
  - Caller ID
  - deregulated voice messaging service

.2 CONDITIONS

.2.1 Unlimited DTL and Unlimited Flexible Telephone System Basic Packages are available where facilities permit.

.2.2 Unlimited DTL and Unlimited Flexible Telephone System Basic Packages are available only on a one-year or three-year term agreement. Expansion lines are available on a month-to-month basis only.

.2.3 Unlimited DTL and Flexible Telephone System Basic Packages are only available with subscription to a business unlimited nationwide long distance calling plan through Frontier North Inc., Long Distance and a Digital Subscriber Line (DSL). Each Expansion line with Unlimited Calling must also subscribe to a business unlimited nationwide long distance calling plan through Frontier North Inc.

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.2 CONDITIONS (Cont'd)

.2.4 Unlimited DTL and Flexible Telephone System Basic Packages are available to business customers who subscribe to 25 or fewer lines (voice grade or voice grade equivalent) per location at the time service is initiated.

.2.5 Customers must purchase at least one (1) Expansion Line with each Unlimited DTL Basic Package or Unlimited Flexible Telephone System Basic Package. A customer may have up to nine (9) Expansion Lines with Unlimited Calling or up to 24 Expansion Lines Without Unlimited Calling per location.

.2.6 Customers may have a combination of Expansion Lines, but the combined total number of Expansion Lines allowed is 24 and may not exceed nine (9) Expansion Lines with Unlimited Calling per location.

.2.7 Unlimited DTL and Flexible Telephone System Basic Packages are not available in combination with other optional calling plans or virtual private network services.

.2.8 All regulations applicable to Flexible Telephone System Service as set forth in 2. of this Section apply to that service when offered with Unlimited Flexible Telephone System Basic Package.

.2.9 Unlimited DTL and Flexible Telephone System Basic Packages are not available with the following services:

- ISDN Service
- Remote Call Forward Service
- Auto Universal Call Distribution (ACD/UCD)
- PBX Trunks
- Foreign Exchange Service
- Foreign Central Office Service
- Customer Owned Pay Telephone (COPT)
- Ground start lines or trunks

General Exchange Catalog

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.2 CONDITIONS (Cont'd)

.2.10 Unlimited DTL and Flexible Telephone System Basic Packages do not apply to the following calls or services:

- Operator Handled Calls
- Calling Card Calls
- Per Activation Calls (*66 Busy Number Redial, *69 Call Return, 3 Way Calling, Call Trace)
- Directory Assistance Service (Local and National)
- Directory Assistance Call Completion Service
- Verification/Interrupt Services
- 555, 700, 900, 976 Services
- Mass announcement services
- Time, lottery or weather calls

.2.11 Unlimited DTL and Flexible Telephone System Basic Packages may only be used for voice applications and may not be used for the transmission of data, for internet connections, or for any other non-voice application. These services may not be used for autodialing. The Company reserves the right to restrict the number of other services and/or equipment furnished or used in connection with any particular class of service in order to prevent any impairment in the quality of service furnished. If the customer uses this service for any non-eligible purpose, including, but not limited to, the examples noted above, the Company may suspend, restrict or cancel the service.

.2.12 Details on calls made will not be available for this service.

General Exchange Catalog

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.3 TERMINATION LIABILITY

.3.1 Unlimited DTL and Flexible Telephone System Basic Packages are offered on a one-year or three-year term agreement.

.3.2 Early termination of Unlimited DTL Basic Package or Flexible Telephone System Basic Package term agreement by the customer will result in a one-time flat Termination Charge of:

1-year term agreement

$75.00

3-year term agreement

$225.00 for default within the 1st year of the term
$150.00 for default within the 2nd year of the term
$75.00 for default within the 3rd year of the term

.3.3 If the customer cancels any of the unregulated components or all of the Expansion Line(s) of the bundle, the remaining components will revert to the individual rate and/or the catalog rate associated with that component.

.3.4 The customer can add, delete or change the Expansion Lines without termination charges as long as two lines (the core, Basic Package, and one Expansion Line) remain on the account. If the one Expansion Line is removed, the remaining elements will revert to catalog rates. If the Basic Package core line is removed, the applicable termination charge shown above will apply.

.3.5 Customer termination of service within the first 60 days, starting on the Order Completion Date, will result in customer liability for the monthly charges. Termination liability will be waived.

BUNDLED SERVICES

8. UNLIMITED DIAL TONE LINE (DTL) AND UNLIMITED FLEXIBLE TELEPHONE SYSTEM PACKAGES (Cont'd)

.3 TERMINATION LIABILITY (Cont'd)

.3.6 At the end of the term or any subsequent renewal, the agreement will automatically be renewed for a successive one-year or three-year term at the same terms and conditions, unless either party provides advance notice that it does not wish to renew the term. Each subsequent renewal will allow for a 60-day grace period for the subscriber to unsubscribe from the plan without penalty. Pricing will remain the same during any automatic renewal unless the Company has provided 30 days notice of any change. Customers can move from a one-year to a three-year term without incurring a penalty.

.4 RATES

		Monthly Rate		
		1-Year Term	3-Year Term	
.4.1	Unlimited DTL Basic Packages [1]	$48.00	$108.00	(I)

	Monthly Rate	
Expansion Line without Unlimited Calling, per line [2, 3]	$100.00	(I)
Expansion Line with Unlimited Calling, per line [2]	$105.00	(I)

		Monthly Rate		
		1-Year Term	3-Year Term	
.4.2	Unlimited Flexible Telephone System Basic Packages [1]	$48.00	$108.00	(I)

	Monthly Rate	
Expansion Line without Unlimited Calling, per line [2, 3]	$100.00	(I)
Expansion Line with Unlimited Calling, per line [2]	$105.00	(I)

[1] At least one (1) Expansion Line is required with each Unlimited DTL Basic Package or Unlimited Flexible Telephone System Basic Package ordered.

[2] Customers may have a combination of Expansion Lines, but the combined total number allowed is 24 and may not exceed nine (9) Expansion Lines with Unlimited Calling per location.

[3] Usage rates apply in addition to the monthly rate.

BUNDLED SERVICES

9. VOICE DISCOUNT PLAN – Grandfathered as of June 28, 2019 (C)

.1 GENERAL

.1.1 Residence customers who call to disconnect their primary line, customers who change their local service from another provider to Frontier North Inc., or customers who specifically request these rates as a response to direct mailings, advertising or other Frontier North Inc., marketing activities will be eligible for the Voice Discount Plan.

.2 CONDITIONS

.2.1 The applicable discount will expire twelve (12) months from the date it is implemented on a customer's account unless extended by Frontier North Inc. Discontinuance of any one of the services will result in immediate termination of the discount.

.2.2 Qualifying unlimited long distance calling plans must be consistent with the Plan O Service – Unlimited as found in the Frontier North Inc., Long Distance Posted Rates, Terms and Conditions.

.3 RATES

	Monthly Discount
Regional Calling Value[3]	$9.05
Regional Essentials [1, 3]	$14.05
Regional Calling Value[2, 3]	$10.00
Regional Essentials [2, 3]	$10.00

For customers subscribed to Voice Discount Plan or the promotional offer titled Regional Calling Value/Regional Essentials Discount Offer, Frontier North Inc., may elect to extend the offer for an additional 12-month period at a discount equal to or less than the discount described above.

[1] Purchased with additional line.
[2] Bundled with a qualifying unlimited domestic long distance calling plan.
[3] As of November 6, 2008, discounts will no longer be provided on additional lines except on those additional lines of customers subscribed to the Voice Discount Plan on or before November 5, 2008, and only until the expiration of their renewal periods.

BUNDLED SERVICES

10. SINGLE LINE BUSINESS PACK

.1 GENERAL

.1.1 Single Line Business Pack is an optional business flat-rated usage package with a network access line, calling features and specified non-regulated services offered for a one-year or three-year term commitment:

.1.2. Single Line Business Pack includes the following:

- One Network Access Line with Touch Calling
- Unlimited local voice usage
- Unlimited intraLATA direct distance dialed unassisted toll calling
- Choice of zero to five (0 – 5) of the following calling features:
  Call Waiting, 3 Way Calling, Call Forwarding, Caller ID
  and a specified non-regulated service

.2 CONDITIONS

.2.1 Single Line Business Pack is available only where facilities and conditions permit. Single Line Business Pack is available only to customers who subscribe to the Company for their local usage and intraLATA toll calls.

.2.2 Single Line Business Pack is available only on a one-year or three-year term agreement.

.2.3 Single Line Business Pack is only available with subscription to a business unlimited nationwide long distance calling plan through Frontier's Long Distance and Frontier High-Speed Internet service.

.2.4 Single Line Business Pack is available to business customers who subscribe to 25 or fewer lines (voice grade or voice grade equivalent) at the time service is initiated.

.2.5 Customers may only have one Single Line Business Pack per account. A maximum of ten lines can have Unlimited Calling either with this plan or any other Unlimited Local or Local and Toll Usage Product offered by Frontier North Inc. Customers may not combine this package with Unlimited Dial Tone Line (DTL) and Unlimited Flexible Telephone System Packages.

BUNDLED SERVICES

10. SINGLE LINE BUSINESS PACK (Cont'd)

.2 CONDITIONS (Cont'd)

.2.6 Single Line Business Pack is not available with the following services:

- Customized Multiline Telephone Service or Flexible Telephone System Service
- ISDN Service
- Remote Call Forward Service
- Auto Universal Call Distribution (ACD/UCD)
- PBX Trunks
- Foreign Exchange Service
- Foreign Central Office Service
- Customer Owned Pay Telephone (COPT)
- Ground start lines or trunks

.2.7 Single Line Business Pack is not available in combination with other optional calling plans or virtual private network services.

.2.8 Single Line Business Pack does not apply to the following calls or services:

- Operator Handled Calls
- Calling Card Calls
- Per Activation Calls (*66 Busy Number Redial, *69 Call Return, 3 Way Calling, Call Trace)
- Directory Assistance Service (Local and National)
- Directory Assistance Call Completion Service
- Verification/Interrupt Services
- 555, 700, 900, 976 Services
- Mass announcement services
- Time, lottery or weather calls

General Exchange Catalog

BUNDLED SERVICES

10. SINGLE LINE BUSINESS PACK (Cont'd)

.2 CONDITIONS (Cont'd)

.2.9 Single Line Business Pack may only be used for voice applications and may not be used for the transmission of data, for internet connections, or for any other non-voice application. These services may not be used for autodialing. The Company reserves the right to restrict the number of other services and/or equipment furnished or used in connection with any particular class of service in order to prevent any impairment in the quality of service furnished. If the customer uses this service for any non-eligible purpose, including, but not limited to, the examples noted above, the Company may suspend, restrict or cancel the service.

.2.10 Details on calls made will not be available for this service.

.2.11 Service Charges will be waived in the event a class of service change is required in order to have a Single Line Business Pack.

.2.12 Applicable Service Charges will be waived for customers subscribing to a three-year term agreement.

.2.13 A monthly credit may apply if provisioned with Frontier's Broadband Service (Frontier Online Broadband service).

BUNDLED SERVICES

10. SINGLE LINE BUSINESS PACK (Cont'd)

.3 TERMINATION LIABILITY

.3.1 Single Line Business Pack is offered on a one-year or three-year term agreement.

.3.2 Early termination of a Single Line Business Pack term agreement by the customer will result in a one-time flat Termination Charge of:

1-year term agreement

$75.00

3-year term agreement

$125.00 for default within the 1st year of the term
$100.00 for default within the 2nd year of the term
$75.00 for default within the 3rd year of the term

.3.3 If the customer cancels any of the unregulated components, the Single Line Business Pack components will revert to the individual rate and/or the catalog rate associated with that component.

.3.4 If the network access line is removed, the applicable termination charge shown above will apply.

.3.5 Customer termination of service within the first 60 days, starting on the Order Completion Date, will result in customer liability for the monthly charges. Termination liability will be waived.

.3.6 At the end of the term or any subsequent renewal, the agreement will automatically be renewed for a successive one-year or three-year term at the same terms and conditions, unless either party provides advance notice that it does not wish to renew the term. Each subsequent renewal will allow for a 60-day grace period for the subscriber to unsubscribe from the plan without penalty. Pricing will remain the same during any automatic renewal unless the Company has provided 30 days notice of any change. Customers can move from a one-year to a three-year term without incurring a penalty.

BUNDLED SERVICES

10. SINGLE LINE BUSINESS PACK (Cont'd)

.3 TERMINATION LIABILITY (Cont'd)

.3.7 An early termination charge will not apply under the following circumstances:

a. Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

b. Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

c. Customer changes to another service or usage plan or upgrades service or usage under a term commitment, and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment.

.4 RATES

	Monthly Rate	
	1-Year Term	3-Year Term
.4.1 Single Line Business Pack	$48.00	$46.00
	Monthly Credit	
	1-Year Term	3-Year Term
.4.2 Frontier Broadband Credit	-	$13.00

Regulatory Affairs

BUNDLED SERVICES

11. FRONTIER DIGITAL PHONE ESSENTIALS* - Grandfathered as of January 1, 2025 (C)

.1 GENERAL

The Frontier Digital Phone Essentials is a package offering available to residential customers that subscribe to flat rate service. The package includes one Residential Flat Rate Access Line and a combination of local features. Customers can take any combination of features for the same flat rate charge. The feature pack is optional and is available for an additional charge.

Basic Bundle

One Residential Flat Rate Access Line
Call Waiting/Cancel Call Waiting
Caller ID
Call Waiting ID
Extended Area Service

Feature Pack

Features will be available to the Frontier Digital Phone Essentials package at the price listed under the rates and charges section of this catalog. The following features are available:

*66 Busy Number Redial
Anonymous Call Block/Rejection
*69 Call Return
Basic Call Forward
Call Forward No Answer
Selective Call Rejection
Call Waiting/Cancel Call Waiting
Distinctive Ring
Speed Call 8 [1] or 30
Priority Call
3 Way Calling
Distinctive Ring
Selective Call Forward
Selective Call Rejection

1 This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

11. FRONTIER DIGITAL PHONE ESSENTIALS* (Cont'd) – Grandfathered as of January 1, 2025 (C)

.2 REGULATIONS

.1 The Frontier Digital Phone Essentials is available where technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the catalog.

.3 When the customer disconnects any component of the package, the remaining components of the package will be billed at their individually cataloged rates.

.4 Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing catalog rules.

.5 Customers may add or delete any features offered in the package without a service order charge.

.6 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.7 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes apply and will be billed in addition to the package.

.8 The package is offered on a month-to-month basis.

.9 The package will appear as a single line item on the bill.

.10 Frontier Digital Phone Essentials is a residential service offering.

.3 RATES AND CHARGES

Rates	Monthly Rate	
Frontier Digital Phone Essentials Package	$21.99	
Stay Connected Seasonal Offering [1]	$9.99	
Feature Pack	$7.49	(I)

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

12. FRONTIER DIGITAL PHONE UNLIMITED (Leader)* - Grandfathered as of January 1, 2025 (C)

.1 GENERAL

The Frontier Digital Phone Unlimited Service is a package offering available to residential customers and includes one flat-rate residential one-party service access line, unlimited local calling and the customer's choice of the features and services listed below.

Basic Bundle

Flat Rate Residential Access Line	Call Waiting/Cancel Call Waiting
Extended Area Service (where applicable)	Speed Call 8 [1]
*66 Busy Number Redial	*69 Call Return
Caller ID with Name	

Unlimited Feature Pack

Features will be available to the Frontier Digital Phone Unlimited package at the price listed under the rates and charges section of this catalog. The following features are available:

Basic Call Forward	3 Way Calling
Distinctive Ring	Speed Call 30
Priority Call	Anonymous Call Block/Rejection
Call Forward Busy	Call Forward No Answer
Selective Call Rejection	Selective Call Forward
Selective Call Acceptance	

.2 REGULATIONS

.1 The Frontier Digital Phone Unlimited is available where technically feasible.

Frontier Digital Phone State Unlimited with Essentials 3 that was on this page is now located in Section 16.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the catalog.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

12. FRONTIER DIGITAL PHONE UNLIMITED (Leader)* (Cont'd) – Grandfathered as of January 1, 2025 (C) (C)

.2 REGULATIONS

.4 Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing catalog rules.

.5 Customers may add or delete any features offered in the package without a service order charge.

.6 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.7 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes apply and will be billed in addition to the package.

.8 The package is offered on a month-to-month basis.

.9 The package will appear as a single line item on the bill.

.10 Nonrecurring Service Order Charges do not apply.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Unlimited	$31.99	
Stay Connected Seasonal Offering [1]	$9.99	
Feature Pack	$7.49	(I)

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

13. FRONTIER DIGITAL PHONE UNLIMITED PLUS (Leader)* - Grandfathered as of January 1, 2025 (C) (C)

.1 GENERAL

The Frontier Digital Phone Unlimited Plus Service is a package offering available to residential customers and includes two flat-rate residential access lines, unlimited local calling and the customer's choice of the features and services listed below. The feature pack is optional and is available for an additional charge.

Basic Bundle

Two Flat Rate Residential Access Line	Call Waiting/Cancel Call Waiting
Extended Area Service (where applicable)	Speed Call 8 [1]
*66 Busy Number Redial	*69 Call Return
Caller ID with Name	

Feature Package

Basic Call Forward	3 Way Calling
Anonymous Call Block/Rejection	Distinctive Ring
Call Forward Busy	Priority Call
Selective Call Forward	Call Forward No Answer
Selective Call Acceptance	Selective Call Rejection

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

13. FRONTIER DIGITAL PHONE UNLIMITED PLUS (Leader)* (Cont'd) – Grandfathered as of January 1, 2025 (C) (C)

.2 REGULATIONS

.1 The Frontier Digital Phone Unlimited Plus is available where technically feasible.

.2 The features and services, except those listed as non-regulated or federally price listed are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the package in accordance with existing catalog rules.

.4 Customers may add or delete any features offered in the package without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.6 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.7 The package is offered on a month to month.

.8 The package will appear as a single line item on the bill.

.9 Nonrecurring Service Order Charges do not apply.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Unlimited Plus	$31.99	
Feature Package	$7.49	(I)
Stay Connected Seasonal Offering [1]	$9.99	

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

14. FRONTIER DIGITAL PHONE UNLIMITED (Challenger)* - Grandfathered as of January 1, 2025 (C)

.1 GENERAL

The Frontier Digital Phone Unlimited Service is a package offering available to residential customers and includes one flat-rate residential access line, unlimited local calling and the customer's choice of the features and services listed below. The feature pack is optional and is available for an additional charge.

Basic Bundle

Call Waiting ID
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting

Feature Package

Call Waiting/Cancel Call Waiting	
*66 Busy Number Redial	Speed Call 8 [1] or 30
Call Return	Distinctive Ring
Anonymous Call Block/Rejection	3 Way Calling
Basic Call Forward	Call Forward Busy
Selective Call Forward	Selective Call Rejection
Selective Call Acceptance	Priority Call

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

14. FRONTIER DIGITAL PHONE UNLIMITED (Challenger)* (Cont'd) – Grandfathered as of January 1, 2025 (C) (C)

.2 REGULATIONS

.1 The Frontier Digital Phone Unlimited is available where technically feasible.

.2 The features and services, except those listed as non-regulated or federally price listed are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the package in accordance with existing catalog rules.

.4 Customers may add or delete any features offered in the package without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.6 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.7 The package is offered on a month to month.

.8 The package will appear as a single line item on the bill.

.9 Nonrecurring Service Order Charges do not apply.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Unlimited (Challenger)	$21.99	
Feature Package	$7.49	(I)
Stay Connected Seasonal Offering [1]	$9.99	

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

18. FRONTIER DIGITAL PHONE UNLIMITED PLUS (Challenger)* - Grandfathered as of January 1, 2025 (C) (C)

.1 GENERAL

The Frontier Digital Phone Unlimited Plus Service is a package offering available to residential customers and includes two flat-rate residential one-party service access line and the customer's choice of the features and services listed below. The feature pack is optional and is available for an additional charge.

Basic Bundle

Call Waiting ID
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting

Feature Package

Call Waiting/Cancel Call Waiting	
*66 Busy Number Redial	Speed Call 8 [1] or 30
Call Return	Distinctive Ring
Anonymous Call Block/Rejection	3 Way Calling
Basic Call Forward	Call Forward Busy
Selective Call Forward	Selective Call Rejection
Selective Call Acceptance	Priority Call

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

18. FRONTIER DIGITAL PHONE UNLIMITED PLUS (Challenger)* (Cont'd) – Grandfathered as of January 1, 2025 ©©

.2 REGULATIONS

.1 The Frontier Digital Phone Unlimited Plus is available where technically feasible.

.2 The features and services, except those listed as non-regulated or federally price listed are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the package in accordance with existing catalog rules.

.4 Customers may add or delete any features offered in the package without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.6 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.7 The package is offered on a month to month.

.8 The package will appear as a single line item on the bill.

.9 Nonrecurring Service Order Charges do not apply.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Unlimited Plus (Challenger)	$21.99	
Feature Package	$7.49	(I)
Stay Connected Seasonal Offering [1]	$9.99	

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020.
* This service offering is limited to all existing subscribers at their existing location (N)

BUNDLED SERVICES

15. STAY CONNECTED SEASONAL OFFERING [1] – Grandfathered as of May 12, 2020 (C)

.1 GENERAL

Stay Connected Seasonal Offering allows residential customers to suspend their Digital Phone Bundled service while they are away, for a minimum of one month or up to nine months in a rolling year for a reduced rate.

.2 REGUALTIONS

.1 Customer is asked to provide a reconnect date at the time of the suspension. If a reconnect date is given then the reconnection charges to do apply.

.2 A re-activation fee will apply if the customer does not provide a reactivation date at the time the order is placed to add the service.

.3 Customer's line will be available for 911 calls only at the time of suspension.

.4 The time that the customer is on the "Stay Connected" Seasonal Service will count for the fulfillment of the contract time.

.5 Customer will be removed from the stay-connected discount after the nine-month period if no date is given.

.6 The cost of the service includes the SLC.

.7 This service does not change any other terms and conditions of the product.

.8 Customer is not eligible for another vacation service in the rolling year that Stay Connected is used.

.3 RATES AND CHARGES

	Monthly Rate
Stay Connected Seasonal Offering	$9.99

[1] This service offering is limited to all existing subscribers at their existing locations as of May 12, 2020. (N)

BUNDLED SERVICES

16. FRONTIER BUSINESS NATIONWIDE UNLIMITED SERVICE II

.1 GENERAL

Frontier Business Nationwide Unlimited Service II is a package offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The package includes the following components: one Basic Flat Rate Access Line, Custom Calling features, and Unlimited Extended Area Service. Customers may select any or all of the following services and features for a monthly rate charge. (D)

Basic Bundle

One Business Flat Rate Access Line
Call Forwarding Busy Line/No Answer
Extended Area Service
Caller ID
Six features from the Frontier Business All In feature package listed below

Frontier Business All In Feature Package

Call Waiting/Cancel Call Waiting	*69 Call Return
3 Way Calling	Call Transfer
Speed Call 8 [1] or 30	Selective Call Forward
Distinctive Ring	*66 Busy Number Redial
Anonymous Call Block/Rejection	Basic Call Forward
Call Forward No Answer	Call Forwarding Busy
Priority Call	Selective Call Forward

.2 REGULATIONS

.1 The package is available only where facilities and operating systems are available and technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable schedules of the catalog.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

General Exchange Catalog

BUNDLED SERVICES

16. FRONTIER BUSINESS NATIONWIDE UNLIMITED SERVICE II (Cont'd)

.2 REGULATIONS (Cont'd)

.3 Call Detail for Unlimited Extended Area Service will not be displayed on the customer's monthly telephone bill.

.4 Frontier Business Nationwide Unlimited Service includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the package may result in disconnection of your basic local service.

.5 Customers may add or delete any features offered within the package without incurring a Service Charge.

.6 The package rate will appear as a single line item on the customer's bill.

.7 The package cannot be used in association with a Residential Line, PBX Service, Remote Call Forward Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

.8 The package is offered on a month-to-month basis.

.9 Up to eleven additional packages can be purchased at a discount rate.

.3 RATES AND CHARGES

.1 All Interstate End User Subscriber Line charges and other applicable surcharges and taxes will be billed separately from and are in addition to the package rate.

.2 Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the package.

	Monthly Rate	
Frontier Business Nationwide Unlimited Service II	$100.99	(I)
Additional Package	$94.99	(I)
Frontier Business All In Feature Package	$4.99	

BUNDLED SERVICES

17. FRONTIER BUSINESS LOCAL UNLIMITED SERVICE II

.1 GENERAL

Frontier Business Local Unlimited II is a package offering available to Business customers. The package includes a flat rate Basic Business Line; a combination of enhanced calling features, certain designated non-regulated services and price-listed services.

Basic Bundle

One Flat Rate Business Line
Extended Area Service
Two features from the Frontier Business all in feature package listed below

Frontier Business All In Feature Package

Call Waiting/Cancel Call Waiting	*69 Call Return
3 Way Calling	Call Transfer
Speed Call 8 [1] or 30	Selective Call Forward
Distinctive Ring	*66 Busy Number Redial
Anonymous Call Block/Rejection	Basic Call Forward
Call Forward No Answer	Call Forward Busy
Priority Call	Selective Call Forward

(D)

25 This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

General Exchange Catalog

BUNDLED SERVICES

17. FRONTIER BUSINESS LOCAL UNLIMITED SERVICE II (Cont'd)

.2 REGULATIONS

.1 The package is available only to customers who are served from a central office in which all services in the package are offered and can be provided by the Company to the customer.

.2 The package is offered on a month-to-month basis.

.3 The package rate includes Extended Area Service (EAS). The call detail for EAS calls will not be displayed on the bill.

.4 All applicable surcharges and taxes will be billed separately from and in addition to the package rate.

.5 The package cannot be used in association with a Residential Line, PBX Service, or ISDN service.

.6 Customers may select any two of the features in the Frontier Business All In Feature Package for no extra charge

.7 Customers purchasing the Frontier Business All In Feature Package may select any or all of the features listed in that package.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Business Local Unlimited II	$83.99	(I)
Frontier Business All In Feature Package	$4.99	

BUNDLED SERVICES

19. REGIONAL TOLL CALL PLAN – Grandfathered as of June 28, 2019 (C)

.1 General

.1.1 Regional Toll Call Plan is an optional 1+, 0+ and 0- Intrastate IntraMSA Long Distance Message Telecommunications Service offered to residence customers in Frontier North Inc. exchanges.

.2 Regulations

.2.1 This Plan provides Discounts on Frontier Long Distance Message Telecommunications Service (as provided in Section 14 of this Catalog) Intrastate IntraMSA calls to exchanges within the customer's MSA. The Discount applies when the customer meets and/or exceeds the required toll usage dollar amount. There is no monthly rate or nonrecurring charge associated with the Regional Toll Call Plan. The Plan is applicable to all Rate Periods messages (as described in Section 14) below:

Customer Dialed Direct Station-to-Station
Customer Dialed Calling Card Station-to-Station
Operator Assisted Calling Card Station-to-Station
Operator Assisted Station-to-Station
Person-to-Person

.2.2 All usage of a multiline subscriber with one billing number is included in the service.

.2.3 The minimum service period for Regional Toll Call Plan is one month.

.2.4 A customer may only subscribe to one Frontier's Discount Calling Plan per main billed account at any given time.

BUNDLED SERVICES

19. REGIONAL TOLL CALL PLAN – Grandfathered as of June 28, 2019 (Cont'd) (C)

.3 Application of Discount

.3.1 Regional Toll Call Plan Discount percentage applies to the message toll portion of the call and to the Operator Assisted Services Charges, if applicable.

.3.2 Application of usage rates and timing of messages are as stated in this Catalog.

.3.3 Discounts shown in Regional Toll Call Plan will include monthly usage (including Service Charges and Surcharges) for customer dialed direct station to station, customer dialed calling card station-to-station, operator assisted station-to-station, operator assisted calling card station-to-station and person-to-person calls that are carried and billed by the Company or Frontier Long Distance. In calculating the usage volume discount, the discount will be applied against the customer's intrastate IntraMSA charges. If the intraMSA offering is part of a joint toll offering, the threshold for the application of the discount will be determined by total gross monthly toll usage associated with the joint offer. In that case, the discount amount will be apportioned by the jurisdiction, by the appropriate company, proportioned to the accumulated usage charges.

.4 Rates

Residential customers who subscribe to the Regional Toll Call Plan whose monthly usage meets the amounts below will receive the following discount percentage on all toll usage billed for the month.

Total Usage Billed	Discount
$10.00 - $ 24.99	10%
$25.00 and Over	25%

BUNDLED SERVICES

20. REGIONAL TOLL BUSINESS PLAN

.1 General

.1.1 Regional Toll Business Plan is an optional 1+, 0+ and 0- Intrastate IntraMSA Long Distance Message Telecommunications Service offered to business customers in Frontier North Inc. exchanges.

.2 Regulations

.2.1 This Plan provides Discounts on Frontier Long Distance Message Telecommunications Service (as provided in Section 14 of this Catalog) Intrastate IntraMSA calls to exchanges within the customer's MSA. The Discounts apply when the customer meets and/or exceeds the required toll usage dollar amount. There is no monthly rate or nonrecurring charge associated with the Regional Toll Business Plan. The Plan is applicable to all Rate Periods messages (as described in Section 14) below:

Customer Dialed Direct Station-to-Station
Customer Dialed Calling Card Station-to-Station
Operator Assisted Calling Card Station-to-Station
Operator Assisted Station-to-Station
Person-to-Person

.2.2 The minimum service period for Regional Toll Business Plan is one month.

.2.3 A customer may only subscribe to one Frontier Discount Calling Plan per main billed account at any given time.

BUNDLED SERVICES

20. REGIONAL TOLL CALL BUSIENSS PLAN (Cont'd)

.3 Application of Discount

.3.1 Regional Toll Call Business Plan Discount percentage applies to the message toll portion of the call and to the Operator Assisted Services Charges, if applicable.

.3.2 Discounts shown in Regional Toll Call Business Plan will include monthly usage (including Service Charges and Surcharges) for customer dialed direct station to station, customer dialed calling card station-to-station, operator assisted station-to-station, operator assisted calling card station-to-station and person-to-person calls that are carried and billed by the company or Frontier Long Distance. In calculating the usage volume discount, the discount will be applied against the customer's intrastate IntraMSA charges. If the intraMSA offering is part of a joint toll offering, the threshold for the application of the discount will be determined by total gross monthly toll usage associated with the joint offer. In that case, the discount amount will be apportioned by the jurisdiction, by the appropriate company, proportioned to the accumulated usage charges.

.3.3 The application of usage rates, rates and rate periods are as specified in Section 14 of this Catalog. Sub-minute rating will be utilized for the timing and rating of Regional Toll Call Business Plan messages. Sub-minute rating consists of anminimum initial period of 18 seconds rated a 3/10 of the initial minute rate and additional periods of 6 second increments thereafter rated at 1/10 of the additional minute rate. Each call will be billed as follows:

Distance	Initial 18 Second Rates	
Band	Peak	Off-Peak
1 – 10	$0.054	$0.054
11 – 16	$0.054	$0.054
17 – 40	$0.054	$0.054
41 – and over	$0.054	$0.054

Distance	Additional 6 Second Rates	
Band	Peak	Off-Peak
1 – 10	$0.018	$0.018
11 – 16	$0.018	$0.018
17 – 40	$0.018	$0.018
41 – and over	$0.018	$0.018

General Exchange Catalog

BUNDLED SERVICES

20. REGIONAL TOLL CALL BUSINESS PLAN (Cont'd)

.4 Volume Discounts

Business customers who subscribe to Regional Toll Call Business Plan will receive the following discounts on all toll usage billed for the month when their monthly usage exceeds:

Monthly Usage Volume	Month-to-Month Discount
$0 - $24.99	0%
$25.00 - $99.99	10%
$100.00 - $199.99	15%
$200.00 and Over	20%

.5 Term Periods

A customer may select a term period for Regional Toll Call Business Plan. The term periods allow a customer to take advantage of higher discount percentages on the toll usage volume for a specific term period. The customer must specify the term period at the time the plan is ordered. During a term period, the customer may elect to convert to a new term period of the same or different length. Conversion to a new term period will be allowed without penalty if the new term period is greater than the remainder of the original term period.

In the event the Regional Toll Call Business Plan is terminated by the business customer prior to completion of the term period, the customer shall be liable for the Early Termination Charge as follows:

Term Period	Early Termination Charge
One Year	$100.00
Two Year	$200.00
Three Year	$300.00

.5.1 Rates

Monthly Usage Volume	One Year Discount	Two Year Discount	Three Year Discount
$0 – 24.99	10%	15%	20%
$25.00 - $99.99	15%	20%	25%
$100.00 - $199.99	20%	25%	30%
$200.00 and Over	25%	30%	35%

BUNDLED SERVICES

21. FLAT RATE CALLING PLAN FOR RESIDENCE – Grandfathered as of June 28, 2019

.1 General

.1.1 Flat Rate Calling Plan for Residence is an optional 1+ Intrastate IntraMSA Long Distance Message Telecommunications Service. This plan offers flat rate pricing, available 24 hours a day, seven days a week to residence customers in Frontier exchanges.

.2 Regulations

.2.1 This plan provides discounts on Frontier Long Distance Message Telecommunications Service (Two Point Service as set forth in Section 14 of this Catalog) Intrastate IntraMSA calls. There is no monthly rate or nonrecurring charge associated with the plan. Flat Rate Calling Plan for Residence is applicable to all rate application period messages for Customer Dialed Direct Station-to-Station calls.

.2.2 Calls will be billed in 60 second increments.

.2.3 The minimum service period for Flat Rate Calling Plan for Residence is one month.

.2.4 A customer may only subscribe to one optional calling plan per main billed account at any given time.

.3 Rates

.3.1 Residential customers who subscribe to Flat Rate Calling Plan for Residence will be billed the following rates on all Intrastate IntraMSA calls qualifying for this plan.

Each Minute of Use	Monthly	
$0.07	$10.00	(N)

BUNDLED SERVICES

22. BUSINESS BASIC PLAN PLUS

.1 General

.1.1 Business Basic Plan Plus customers is an optional 1+ Intrastate IntraMSA Long Distance Message Telecommunications Service. This Plan offers flat rate pricing, available 24 hours a day, seven days a week to business customers in Frontier North Inc. exchanges.

.2 Regulations

.2.1 This Plan provides discounts on Frontier Long Distance Message Telecommunications Service (Two Point Service as set forth in Section 14 of this Catalog) Intrastate IntraMSA calls to exchanges within the customer's MSA. There is no monthly rate or nonrecurring charge associated with the Plan. The Business Basic Plan Plus is applicable to all rate application period messages including:
Customer Dialed Direct Station-to-Station

.2.2 The minimum service period for Business Basic Plan Plus is one month.

.2.3 A customer may only subscribe to one optional calling plan per main billed account at any given time.

.3 Rates

.3.1 Business customers who subscribe to the Business Basic Plan Plus will be billed the following rates on all Intrastate IntraMSA calls qualifying for this Plan.

25. Sub-minute rating will be utilized for the timing and rating of Business Basic Plan Plus. Sub-minute rating consists of a minimum initial period of 18 seconds rated a 3/10 of the initial minute rate and additional periods of 6 second increments thereafter rated at 1/10 of the additional minute rate. Each call will be billed as follows:

	Initial 18 Seconds	Six (6) Seconds or fraction
Month-to-Month	$.027	$.009

BUNDLED SERVICES

25. FREQUENT CALLING SERVICE – Grandfathered as of June 28, 2019 (C)

.1 General

.1.1 This service is filed pursuant to Section 13-502(b) of the Public Utilities Act. Frequent Calling Service is an optional intrastate intraMSA Message Toll Calling Plan offered to certain exchange service customers in Frontier North Incorporated exchanges.

.1.2 Frequent Calling Service is an optional calling plan for one-way originating dial station-to-station intrastate intraMSA messages offered to residential customers. For all other classes of messages other than dial station-to-station, the appropriate calling rates and charges as specified in the Message Toll Telephone Service catalog apply.

The service is applicable to customer dialed station-to-station calls as described below:

25. Dial station-to-station service is that service where the person originating the call from other than a public (coin or coinless) or semipublic telephone dials the telephone number desired and the call is completed without the assistance of a telephone company operator and the call is not billed to a number other than the originating telephone number.

25. Between Friends rates apply to messages or parts of messages included in the Off-Peak rate periods as specified in other catalogs of the Company. Each message is timed by minutes of use with a fraction of a minute being charged as a full minute. The initial calling period is a cumulative total of 60 minutes per month. Any additional time accumulated is charged for in one-minute increments.

.1.3 Frequent Calling Service is not provided with individual message detail. The billing information provided the customer is limited to the flat rate billing for the initial period and additional increments, if any. The Company is not required to provide information to the customer concerning the amount of unused initial period calling time remaining in the billing period. Additional billing detail will not be provided.

.1.4 The minimum contract period for Frequent Calling Service is one month. A customer may only subscribe to one (1) Frontier toll optional calling plan, per account, at any given time.

.1.5 This service is furnished subject to the general regulations found in other catalogs of the Company.

General Exchange Catalog

BUNDLED SERVICES

25. FREQUENT CALLING SERVICE – Grandfathered as of June 28, 2019 (Cont'd) (C)

.1 General (Cont'd)

.1.6 Timing of Messages

The time when the connection is established determined in accordance with the time system (standard or daylight saving) observed at the location of the rate center of the calling station, determines the charges for the call.

Chargeable time ends when the calling station "hangs up" thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released either by automatic timing equipment in the telecommunications network or a company operator.

.1.7 Limitations

The Company reserves the right to limit the duration of connections when necessary because of a shortage of facilities caused by emergency conditions.

Service is furnished subject to the condition it will not be used for unlawful purposes.

.1.8 Liability

The Company's failure to provide Frequent Calling Service under this Catalog shall be excused by labor difficulties, governmental order, civil commotions, acts of God and other circumstances beyond the Company's control.

The Company's liability, if any, for its willful misconduct is not limited by this Catalog. With respect to any other claim or suit, by a customer or by any others, for damages associated with any aspect of the provision of service (including the failure to reach a called station), the Company's liability, if any, shall not exceed an amount equal to the initial minute charge applicable for such call to the called station. This liability shall be in addition to any billing adjustment. However, any such mistakes, omissions, interruptions, delays, errors, or defects in transmission of service which are caused or contributed to by the negligence or willful act of the customer or authorized user, or which arise from the use of customer-provided facilities or equipment shall not result in the imposition of any liability whatsoever upon the Company.

BUNDLED SERVICES

25. FREQUENT CALLING SERVICE – Grandfathered as of June 28, 2019 (Cont'd) (C)

.1 General (Cont'd)

.1.8 Liability (Cont'd)

25. The customer indemnifies and saves the Company harmless against claims for libel, slander, or infringement of copyright from the material transmitted over its facilities; against claims for infringement of patents arising from combining with, or using in connection with, facilities of the Company, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Company.

.2 Rates and Charges

.2.1 Service Charges as shown below are applicable for establishment of, or changes in, Frequent Calling Service:

a. Usage Rates - Residence Service Only

	Monthly Rate	Rate	Nonrecurring Charge
(1) First Hour [1]	$3.30		$5.00
(2) Additional Rate, per minute		$0.05	

[1] Includes first 60 minutes or fraction of 60 minutes.

BUNDLED SERVICES

24. 5 Cents A Minute Plan Package – Grandfathered as of June 28, 2019 (C)

.1 General

.1.1 5 cents a minute Plan Package is an optional 1+ intrastate intraMSA toll message telecommunications service (MTS) for customer dialed direct station-to-station calls. This plan offers flat rate pricing, available 24 hours a day, seven days a week to residential customers in Frontier North Inc. exchanges that subscribe to Frontier Local Calling Plan or Frontier Local Calling Plan Plus.

.2 Regulations

.2.1 This plan provides discounts on Frontier long distance Message Toll Telephone Service (Two-Point Service as set forth in this Catalog) intrastate intraMSA calls.

.2.2 Calls will be billed in one-minute increments.

.2.3 The minimum service period for 5 cents a minute Plan Package is one month.

.2.4 There is no monthly recurring rate or nonrecurring charge associated with this plan.

.2.5 Directory Assistance, operator handled and calling card calls are excluded from this service.

.2.6 5 cents a minute Plan Package is only available on the line equipped with Frontier Local Calling Plan or Frontier Local Calling Plan Plus.

.2.7 If the customer cancels Frontier Local Calling Plan or Frontier Local Calling Plan Plus, they may choose another optional calling plan or default to standard MTS rates set forth in Section 14.

.3 Rates

.3.1 Residential customers who subscribe to the 5 cents a minute Plan Package will be billed as follows for all intrastate intraMSA calls qualifying for the plan.

Each Minute of Use
$0.05

BUNDLED SERVICES

25. FRONTIER SIMPLY UNLIMITED SERVICE - LEADER

.1 GENERAL

Frontier Simply Unlimited Service - Leader is a package offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The bundle also includes the Subscriber Line Charge and the Access Recovery Surcharge that is found in the federal tariff. Customers may select any or all of the following services and features for a monthly rate charge.

Basic Bundle

One Flat Rate Business Access Line
Extended Area Calling
Call Forward Busy/No Answer
Caller ID - Name and Number
Touch Calling

(D)

Eight Features from the Feature Package listed below

Frontier Business All In Feature Package

Call Waiting/Cancel Call Waiting	3 Way Calling
Multiline Hunt Service	Speed Call 8 [1] or 30
Distinctive Ring	Anonymous Call Block/Rejection
Priority Call	Call Transfer
Selective Call Acceptance	Caller ID Blocking
*69 Call Return	*66 Busy Number Redial
Basic Call Forward	Call Forward Busy
Call Waiting ID	Selective Call Forward
Call Block	Call Forward No Answer

.2 REGULATIONS

.1 The Frontier Simply Unlimited Service – Leader is available where technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable schedules of the catalog.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

General Exchange Catalog

BUNDLED SERVICES

25. FRONTIER SIMPLY UNLIMITED SERVICE - LEADER (Cont'd)

.2 REGULATIONS (Cont'd)

.3 Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

.4 Frontier Simply Unlimited Service - Leader includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the package may result in disconnection of your basic local service.

.5 Customers may add or delete any features offered in the package without a service order charge.

.6 The bundle will appear as a single line item on the customer's bill.

.7 The package cannot be used in association with a Residential Line, PBX Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

.8 The bundles are offered on a month-to-month basis.

.9 Bundles four through twelve are given an additional discount.

.3 RATES AND CHARGES

.1 The Interstate Subscriber Line charge and the Access Recovery charge are included in the bundle. Other applicable surcharges and taxes will be billed separately from and are in addition to the package rate.

.2 Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the package.

	Monthly Rate	
Frontier Simply Unlimited Service - Leader (Lines 1 to 3)	$96.99	(I)
Each Additional Package (Lines 4 to 12)	$81.99	(I)
Frontier Business All in Feature Package	$4.99	

BUNDLED SERVICES

26. FRONTIER SIMPLY UNLIMITED SERVICE – CHALLENGER

.1 GENERAL

Frontier Simply Unlimited Service - Challenger is a package offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The bundle also includes the Subscriber Line Charge and the Access Recovery Surcharge that is found in the federal tariff. Customers may select any or all of the following services and features for a monthly rate charge.

Basic Bundle

One Flat Rate Business Access Line
Extended Area Calling
Call Forward Busy/No Answer
Caller ID - Name and Number
Touch Calling

(D)

Four Features from the Feature Package listed below

Frontier Business All In Feature Package

Call Waiting/Cancel Call Waiting	3 Way Calling
Multiline Hunt Service	Speed Call 8 [1] or 30
Distinctive Ring	Anonymous Call Block/Rejection
Priority Call	Call Transfer
Selective Call Acceptance	Caller ID Blocking
*69 Call Return	*66 Busy Number Redial
Basic Call Forward	Call Forward Busy
Call Waiting ID	Selective Call Forward
Call Block	Call Forward No Answer

.2 REGULATIONS

.1 The Frontier Simply Unlimited Service - Challenger is available where technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable schedules of the catalog.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

BUNDLED SERVICES

26. FRONTIER SIMPLY UNLIMITED SERVICE – CHALLENGER (Cont'd)

.2 REGULATIONS (Cont'd)

.3 Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

.4 Frontier Simply Unlimited Service - Challenger includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the package may result in disconnection of your basic local service.

.5 Customers may add or delete any features offered in the package without a service order charge.

.6 The bundle will appear as a single line item on the customer's bill.

.7 The package cannot be used in association with a Residential Line, PBX Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

.8 The bundles are offered on a month-to-month basis.

.9 Bundles four through twelve are given an additional discount.

.3 RATES AND CHARGES

.1 The Interstate Subscriber Line charge and the Access Recovery charge are included in the bundle. Other applicable surcharges and taxes will be billed separately from and are in addition to the package rate.

.2 Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the package.

	Monthly Rate	
Frontier Simply Unlimited Service - Challenger (Lines 1 to 3)	$63.99	(I)
Each Additional Package (Lines 4 to 12)	$48.99	(I)
Frontier Business All in Feature Package	$4.99	

BUNDLED SERVICES

27. FRONTIER ONEVOICE

.1 GENERAL

Frontier OneVoice is a bundled offering available to Business customers that subscribe to Single Party Business Line. The bundle includes the following components: one Basic Flat Rate Access Line, Custom Calling features, and Unlimited Extended Area Service. Customers may select any or all of the following services and features for a monthly rate charge.

Basic Bundle

Single Party Flat Rate Access Line	Anonymous Call Block/Rejection
Call Forward Busy/No Answer	Basic Call Forward
Unlimited Extended Area Service	Multiline Hunting
Call Waiting/Cancel Call Waiting	3-Way Calling
Caller ID	

Premium Feature Package

*69 Call Return	Selective Call Forward
Call Transfer	Selective Call Acceptance
Distinctive Ring	Selective Call Rejection
*66 Busy Number Redial	Speed Call 30
Priority Call	

.2 REGULATIONS

.1 The bundle is available only where facilities and operating systems are available and technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable schedules of the tariff.

.3 Call Detail for Unlimited Extended Area Service will not be displayed on the customer's monthly telephone bill.

.4 Partial payment of the basic local service charge within the bundle may result in disconnection of your basic local service.

BUNDLED SERVICES

27. FRONTIER ONEVOICE (Cont'd)

.2 REGULATIONS (Cont'd)

.5 Customers may add or delete any features offered within the bundle without incurring a Service Charge.

.6 The bundle rate will appear as a single line item on the customer's bill.

.7 The bundle is available only to customers who are served from a central office in which services in the bundle are offered and can be provided by the Company to the customer.

.8 The bundle cannot be used in association with a Residential Line, Remote Call Forward Service, ISDN Service, Centrex, and Foreign Exchange Services.

.9 The bundle is offered on a month-to-month, or one year term basis.

.3 RATES AND CHARGES

.1 Surcharges and taxes will be billed separately from and are in addition to the bundle rate.

.2 New customers will incur a nonrecurring charge up to $95.00, per account. This charge supersedes the Initial Order and Connection charges.

	Monthly Rate	
Monthly Rate Basic Bundle	$89.99	(I)
Term Price with a 1 year commitment	$74.99	(I)
Premium Feature Package	$9.99	

BUNDLED SERVICES

28. FRONTIER COMMERCIAL VOICE UNLIMITED

1. GENERAL

Frontier Commercial Voice Unlimited is a bundled offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The bundle includes the following components: one Basic Flat Rate Access Line, Custom Calling features, and Unlimited Extended Area Service. The bundle also included the Subscriber Line charge and the Access Recovery Charge that is tariffed in the appropriate FCC tariff.

Basic Bundle

Single Party Flat Rate Access Line
(Touch Calling) where applicable
Basic Call Forward
Call Forward Busy
Call Forward No Answer
Call Waiting/Cancel Call Waiting
Caller ID
(Call Waiting ID) where applicable
3 Way Calling
Hunting

2. REGULATIONS

.1 The bundle is available only where facilities and operating systems are available and technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable schedules of the tariff.

.3 Call Detail for Unlimited Extended Area Service will not be displayed on the customer's monthly telephone bill.

.4 Frontier Commercial Voice Unlimited includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of your basic local service.

.5 Customers may add or delete any features offered within the bundle without incurring a Service Charge.

BUNDLED SERVICES

28. FRONTIER COMMERCIAL VOICE UNLIMITED (Cont'd)

2. REGULATIONS (Cont'd)

.6 The bundle rate will appear as a single line item on the customer's bill.

.7 The bundle is available only to customers who are served from a central office in which services in the bundle are offered and can be provided by the Company to the customer.

.8 The bundle cannot be used in association with a Residential Line, PBX Service, Remote Call Forward Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

.9 At the end of the one-year term, customers will be moved to the month to month pricing.

.10 Customers in a term plan will be charged a termination fee for cancelling before the term is up. The early termination fee is the monthly charge times the remaining months in the term.

.11 Term plans will auto renew unless notification is received from the customer sixty days in advance.

3. RATES AND CHARGES

.1 Interstate End User Subscriber Line charge and Access Recovery Charges are included in the bundle. Other applicable surcharges and taxes will be billed separately from and are in addition to the bundle rate.

.2 Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the bundle.

	Monthly Rate	
Basic Bundle		
Month to Month	$33.00	
One Year Term	$28.00	
Two Year Term	$28.00	(N)

BUNDLED SERVICES

29. FRONTIER RESIDENTIAL UNLIMITED VOICE SERVICE (N)

1. GENERAL

The Frontier Residential Unlimited Voice Service is a bundle offering available to residential customers. The bundle includes one Residential Local Exchange Network Access Line, Unlimited Extended Area Service and the customer's choice of the features and services listed below. This bundle also includes an unlimited long-distance component through Frontier Communications Online and Long Distance Inc. The description and pricing for this component are located in the Frontier Communications Online and Long Distance Inc. Domestic Price List.

Basic Bundle

Local Exchange Network Access Line	Call Waiting ID
Caller ID with Name	Anonymous Call Block/Rejection
Unlimited Extended Area Service	Basic Voicemail
Call Waiting/Cancel Call Waiting	Touch Calling

2. REGULATIONS

.1 The bundle is available only where facilities and operating systems are available and technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the Tariff.

.3 When the customer disconnects any component of the bundle, the remaining components of the bundle will be billed at their individually Tariffed rates.

.4 Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Tariff rules.

.5 Customers may add or delete any features offered in the bundle without a service order charge.

.6 No discounts will be given to subscribers that do not use all the features or have some features turned off. (N)

BUNDLED SERVICES

29. FRONTIER RESIDENTIAL UNLIMITED VOICE SERVICE (Cont'd) (N)

2. REGULATIONS (Cont'd)

.7 The bundle is offered on a month-to-month basis.

.8 The bundle will appear as a single line item on the bill.

.9 The bundled rate includes all available Extended Area Service (EAS) calling, both mandatory and optional, in exchanges where EAS is offered.

.10 Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

.11 A customer selecting this bundle is required to subscribe to a Frontier Long Distance company and must purchase a qualifying long-distance bundle located in the Frontier Communications Online and Long Distance Inc. Domestic Price List.

3. RATES AND CHARGES

.1 All other surcharges and taxes apply and will be billed in addition to the bundle.

.2 An Activation charge of $35.00 will replace the Initial Service Order and Central Office Connection Charge.

.3 Frontier Residential Unlimited Voice Service is provided at the following rates:

	Monthly Rate	
Frontier Residential Unlimited Voice Service	$20.00	(N)

BUNDLED SERVICES

(N)

30. FRONTIER UNLIMITED VOICE AND FEATURE BUNDLE

1. GENERAL

The Frontier Unlimited Voice and Feature Bundle is a bundle offering available to residential customers. The bundle includes one Residential Local Exchange Network Access Line, Unlimited Extended Area Service and the customer's choice of the features and services listed below. This bundle also includes an unlimited long-distance component through Frontier Communications Online and Long Distance Inc. The description and pricing for this component are located In the Frontier Communications Online and Long Distance Inc. Domestic Price List.

Basic Bundle

Local Exchange Network Access Line	3 Way Calling
Caller ID with Name	Basic Call Forward
Unlimited Extended Area Service	Distinctive Ring
Call Waiting/Cancel Call Waiting	Priority Call
Call Waiting ID	*66 Busy Number Redial
Anonymous Call Block/Rejection	*69 Call Return
Basic Voicemail	Selective Call Acceptance
Touch Calling	Selective Call Rejection
Speed Call 30	Selective Call Forward
Wire Care (Non-regulated)	Directory Listing

2. REGULATIONS

.1 The bundle is available only where facilities and operating systems are available and technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the Catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Catalog rules.

.4 Customers may add or delete any features offered in the bundle without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

(N)

BUNDLED SERVICES

(N)

30. FRONTIER UNLIMITED VOICE AND FEATURE BUNDLE (Cont'd)

2. REGULATIONS (Cont'd)

.6 The bundle is offered on a month-to-month basis.

.7 The bundle will appear as a single line item on the bill.

.8 The bundled rate includes all available Extended Area Service (EAS) calling, both mandatory and optional, in exchanges where EAS is offered.

.9 Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

.10 A customer selecting this bundle is required to subscribe to a Frontier Long Distance company and must purchase a qualifying long-distance bundle located in the Frontier Communications Online and Long Distance Inc. Domestic Price List.

.11 Directory Listing Feature-Customer can pick from Additional Listing, Extra Line of Information, Non-Listing, Non-Published and Foreign Listing.

.12 Wire Care Services include work performed on or at the customer premises by the Utility or a Utility representative at the customer's request and is not covered by other charges. The Bundle includes work preparation, actual work, materials and cleanup. Frontier Wire Care covers all wiring, jacks, dispatch charges, labor and materials for each telephone line in the home. In addition, Frontier Wire Care covers any damage to the phone line that was caused by lightning, accidental customer damage and problem isolation within the home.

3. RATES AND CHARGES

.1 All other surcharges and taxes apply and will be billed in addition to the bundle.

.2 An Activation charge of $35.00 will replace the Initial Service Order and Central Office Connection Charge.

.3 Frontier Unlimited Voice and Feature Bundle is provided at the following rates:

	Monthly Rate
Frontier Unlimited Voice and Feature Bundle	$50.00

(N)

PROMOTIONS

OneVoice Nationwide Promotion

Beginning July 1, 2016 and extending until August 31, 2016, new or upgraded Business broadband customers who purchase the OneVoice Nationwide at a price point of $39.99 will be guaranteed the price for the OneVoice Nationwide and the broadband for the life of the account. Customer will sign for a one or two year term. Termination fees as described in the tariff will apply if the customer cancels before the end of the term. Two-year term customers will have the broadband installation fees waived. Changes to the product services after 8/31/16 including broadband speed upgrades/downgrades will disqualify the Price for Life guarantee. All other Terms and Conditions of the services remain in effect.

Frontier Commercial Voice Unlimited

New Frontier business customers that sign up for Frontier Commercial Voice Unlimited between 5/22/17 and 8/19/17 with a term commitment of 1,2 or 3 years will have all standard non-recurring charges waived for the initial set up and be given a $5.00 credit per month per line for the length of the contract. New is defined as not having Frontier service in the past ninety days.

Frontier Commercial Voice Unlimited

New Frontier business customers that sign up for Frontier Commercial Voice Unlimited between 9/15/17 and 12/31/17 with a term commitment of 1 year will have all standard non-recurring charges waived for the initial set up and be given a $5.00 credit per month per line for the length of the contract. New is defined as not having Frontier service in the past ninety days.

Frontier Digital Phone Unlimited (Leader)

Effective 7/22/2018 thru 10/22/2018 new Frontier Digital Phone Unlimited customers with qualifying Broadband services will have standard non-recurring charges waived for the initial set up and be given a $12.00 credit per month for two years.

Frontier Digital Phone Unlimited (Challenger) (N)

Effective 7/22/2018 thru 10/22/2018 new Frontier Digital Phone Unlimited customers with qualifying Broadband services will have standard non-recurring charges waived for the initial set up and be given a $2.00 credit per month for two years. (N)

PROMOTIONS

Frontier Digital Phone Unlimited

Beginning May 19, 2019 through November 19, 2019, for new Digital Phone customers who purchase qualifying broadband services will have standard non-recurring charges waived for the initial set up.

Frontier OneVoice (N)

Between August 22, 2021 and November 19, 2021, New fiber-based Frontier OneVoice customers who purchase a qualifying broadband service will be given a $29.99 discount for the first local OneVoice line. Customers must agree to a two-year term that provides a two (2) year Price Protection Plan. Installation charges for this service will be waived. Promotion offered where technically feasible. (N)

EXTRA PACKAGE [1] - Grandfathered

.1 General

The Extra Package includes a residential access line and flat rate calling within the home exchange.

.2 Regulations

Federal Subscriber Line Charge will be billed separately. In exchanges where Extended Area Service is available, it will be provided in this catalog. Other surcharges, and taxes will apply.

.3 Rates and Charges

	Monthly Rate	
Extra Package		
Class A	$20.00	(I)
Class B	$20.00	(I)

[1] This product is grandfathered.

PLUS PACKAGE [1] - Grandfathered

.1 General

The Plus Package is a package offering that consists of a residential access line and flat-rate calling within the home exchange, and the choice of two of the following features:

Call Waiting/Cancel Call Waiting
Basic Call Forward
3 Way Calling
Caller ID
Distinctive Ring
Call Trace
*66 Busy Number Redial

.2 Regulations

.2.1 The Plus Package is available where technically feasible.

.2.2 The features and services are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

.2.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing catalog rules.

.2.4 Except as otherwise described, non-recurring installation charges applicable to installation of individual service components contained in the bundled offerings apply.

.2.5 Federal Subscriber Line Charge will be billed separately from the Plus Package. In exchanges where Extended Area Service is available, it will be provided in this catalog. Other surcharges, and taxes will apply.

.3 Rates and Charges

	Monthly Rate	
Plus Package		
Class A	$30.85	(I)
Class B	$31.85	(I)

[1] The service is grandfathered.

General Exchange Catalog

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT

1. Transfer Service

.1 Conditions

.1.1 This Service provides for the automatic transfer of incoming calls from one line to another within the same exchange, through the operation of a key at the customer's location.

.1.2 This Service is available only with individual line services in central offices where Custom Calling Service is not available.

.2 Rates

	Monthly Rate	Nonrecurring Charge
.2.1 Transfer Service, including cam-lever key-within same central office	$4.10	$3.39
.2.2 Transfer service, with key in telephone base-within same central office	$5.00	$3.39 [1]

.1 Conditions

.1.1 The Company will furnish network access via automatic announcement lines, subject to the availability of facilities, to access customer provided automatic announcement equipment.

.1.2 The customer will contract for as many announcement lines, initially and subsequently, as may be required to adequately handle calls to an Automatic Announcement Service. The Company will determine the required quantity of such lines using traffic probability tables based on one delayed call out of one hundred calling attempts.

[1] In addition to the nonrecurring charge shown above, Service Charges apply as appropriate for a station equipped with a key in base.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

2. Automatic Announcement Service-Network Access

.1 Conditions (Cont'd)

.1.3 Automatic Announcement Service may be used to provide the types of announcements shown under "Rates" herein, subject to the following special conditions:

a. That the name of the person or persons subscribing to the service shall be furnished by the Company upon request of any person.

b. That for purpose of identification, customers shall include in the recorded message the name and address of the organization or individual responsible for the service, except that announcements for time and temperature and/or weather are excluded from this requirement.

.1.4 The customer warrants and represents that each of the products or services advertised conforms in every respect to the claims made for them.

.1.5 The subscriber indemnifies and saves the Company harmless (including costs and reasonable attorney's fees) against all claims arising from the material transmitted over facilities furnished hereunder, including claims for libel, slander, fraudulent or misleading advertisements, infringement of copyright, or any other claims, and against all claims arising out of any act or omission of the subscriber or of the calling party in connection with facilities provided by the Company.

.1.6 One directory listing will be furnished without charge with each service, said listing to appear under a caption heading with the name of the customer listed thereunder.

.1.7 The initial contract period for announcement lines is one month.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

2. Automatic Announcement Service-Network Access (Cont'd)

.2 Rates

.2.1 Announcement Lines

a. Each announcement line used in conjunction with an Automatic Announcement Service that has been contracted for with the Company prior to June 15, 1974, is subject to the following monthly rate and Service Charges:

a.1 The same monthly rate and Service Charges as for a Business One-Party Service in the exchange where the Automatic Announcement Service is located.

b. Announcement lines used in conjunction with Automatic Announcement Services that are contracted for with the Company on or after June 15, 1974, will be furnished by the Company. Automatic Announcement Service customers will be charged for usage of such lines as follows:

Monthly Usage Per Hour Or Fraction Thereof		Monthly Rate
First 100 hours	x .05 x B1 Rate =	

3. Emergency Reporting Service

.1 Conditions

.1.1 Emergency Reporting Service may be furnished in communities served by an unattended dial telephone system by dialing the listed fire number and, by means of special equipment located in the central office, the emergency alarm may be announced on several exchange lines simultaneously.

a. There are two basic types of equipment applications depending on the operation of the central office equipment:

Type I is for step-by-step central offices.
Type II is for relay link central offices.

NOTE: The "B1 Rate" to be used above is the same as for a Business One-Party Service in the exchange where the Automatic Announcement Service is located.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

3. Emergency Reporting Service

.1 Conditions (Cont'd)

.1.2 An emergency reporting control station may be located at one or more locations. A key station without a dial is provided at each emergency reporting control station to receive the incoming emergency call and then by manual operation of the key alert the stations, which are connected to the emergency reporting network.

.1.3 A special conference grouping circuit provides for continuous (or distinctive interrupted) ringing until the emergency reporting circuit is released. If any emergency line is busy during an emergency call, a warning tone is sounded over the line to serve notice that an emergency call is waiting. By depressing the hook switch the station will automatically be connected to the emergency conference circuit.

.1.4 Standard residential stations may be used as emergency answering phones.

.1.5 A Siren Operating Control feature may be provided by utilizing pushbuttons or keys located at one or more of the conference grouping locations. The power relay and the siren are to be Customer provided.

.1.6 A conference grouping arrangement may require amplification. When amplification is provided, the amplification charge applies to all lines connected to the conference circuit.

.1.7 With Type I equipment and where an emergency reporting location is manned 24 hours a day, a recorder announcer service feature may be furnished to alert the stations of the emergency network. The station answering the emergency call hears only the output of the recorder announcer, which can be either of 6 or 12 seconds duration. The recorder continues to repeat the message until disconnected by a manual means. A remote control feature may be provided on an optional basis.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

3. Emergency Reporting Service (Cont'd)

.1 Conditions (Cont'd)

.1.8 Emergency Reporting Service installations will be made only for a minimum contract period of five (5) years.

a. The customer will be required to execute such a contract prior to furnishing the service.

b. The termination liability in this contract will be based upon the installed cost of the equipment, plus the estimated cost of removal, less the equipment salvage value and any installation charges that the customer may have paid.

b.1 The termination charge covered in the contract will be reduced by 1/60th for each month of use.

.1.9 All operating on the customer's premises will be performed by the customer. Suitable commercial power, including outlets, shall be furnished by the customer.

.1.10 The rates quoted below contemplate the use of standard equipment. When equipment of a special type is desired, rates are based on the costs involved to meet the special requirement.

.2 Rates - In addition to all other rates and charges applicable to the services and equipment furnished.

.2.1 Emergency Reporting Control Stations, without dial

a. The initial reporting station is furnished at the regular business individual line rate as shown in this Catalog.

b. Rates for mileage charges, if appropriate, apply as specified in this Catalog.

c. Service Charges are applicable to Emergency Reporting Control Stations as shown in this Catalog.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

3. Emergency Reporting Service (Cont'd)

.2 Rates (Cont'd)

	Monthly Rate	Nonrecurring Charge
.2.2 Type I Equipment		
a. Common equipment, including line equipment for 15 line	$37.50	$67.84
b. Each additional 5 lines of equipment	$15.00	NONE
c. Amplifier equipment (capacity 60 lines) per line amplified	$2.20	$1.94
d. Recorder-Announcer		
d.1 Common Equipment	$87.50	$96.92
d.2 Remote Control Unit	$5.95	NONE
e. Siren Timer		
e.1 Siren timer with capacity of up to three siren control stations	$15.55	$72.69
e.2 Auxiliary siren control relay bar (one required for each additional siren control station)	$7.50	$ 14.54
.2.3 Type II Equipment		
a. Common equipment for 8 lines	$12.50	$24.23
b. Each additional 8 lines of equipment	$12.50	NONE
.2.4 Siren Control		
a. Control relay, per siren	$0.75	NONE
b. Push buttons or keys, each, including 50 feet of circuit	$0.65	NONE

NOTE: A pushbutton (PB) is required for each siren control station.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

4. Special Reverse Toll Charge Service - Enterprise Service

.1 Conditions

.1.1 This service allows customers in one exchange to call a customer in another exchange without charge to the calling customers. Message toll charges are automatically billed to the called customer.

.1.2 This service may be furnished with business and PBX Services.

.1.3 This service includes the listing of a special number in both the directory and directory assistance records of the exchange or exchanges from which calls are to be accepted.

a. At the option of the customer this number may be non-published to limit the service to certain selected individuals.

.2 Rates

	Monthly Rate
.2.1 Special Reverse Toll Charge Service per exchange	$8.63

NOTE: Order Charges apply as shown in this Catalog.

5. Special Protection Against Hazardous Voltages In The Vicinity Of Power Stations

.1 General

.1.1 Company services provided at electric power generating and distribution locations may require special protection to isolate or neutralize the hazards due to ground rise potential and induction resulting from faults in the electrical power system. The protection objectives at these locations are:

a. To minimize electrical hazards to personnel engaged in construction, operation, maintenance or use of communications systems.

b. To limit electrical damage to communications equipment and cable facilities.

c. To provide the required reliability and integrity of communications transmission.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

5. Special Protection Against Hazardous Voltages In The Vicinity Of Power Stations (Cont'd)

.2 Conditions

.2.1 The Company shall determine from data furnished by the customer the proper level and method of protection to isolate or neutralize electrical hazards at each location.

.2.2 When new or additional exchange or special service circuits are requested by a customer, and the Company determines that special protection equipment is required, service connection of the circuit may be delayed until adequate protection equipment is concurrently installed.

.2.3 A customer may elect to furnish special protection equipment required at the location subject to approval by the Company of the proper levels of protection and the equipment provided by the customer. All special protection equipment at a given location must be provided entirely by either the customer or the Company. In all cases, required equipment cabinets must be provided by the customer. Mounting arrangements will be included with Company provided protection equipment.

.2.4 When, at a given location, the customer elects to provide his own protection equipment, the customer will indemnify and save harmless the Company, its agents and employees, from and against all loss or exposure (including costs and attorney's fees) by reason of bodily injury including death at any time resulting therefrom, sustained by any person or persons, or on account of damage to property, arising out of or in consequence of the failure to provide or the inadequacy of such protective equipment.

.2.5 Protective requirements will be applied equally to exchange and private line services and will be determined by the circuit requiring the highest level of protection.

.2.6 All costs incurred due to customer requested rearrangement of circuits or equipment associated with special protection will be billed to the customer.

.2.7 Minimum protection standards as specified by the Company will be established in accordance with the objectives stated in .1.1a and .1.1b above. The customer may select a higher degree of protection depending on the need for minimum service interruptions.

.2.8 Billing of the rates shown below shall begin following an inventory of existing locations by Company personnel on a location-by-location basis.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

5. Special Protection Against Hazardous Voltages In The Vicinity Of Power Stations (Cont'd)

.3 Rates

.3.1 The rates shown below apply to all existing installations as well as all future installations where the protective equipment is provided by the Company. The nonrecurring charges are applicable to services installed anew on and after the effective date of this catalog.

.3.2 Rates and charges for multiple pair transformers will be determined on a "per location" basis in accordance with the Special Assemblies of Equipment provisions shown in this Catalog.

	Monthly Rate	Nonrecurring Charge
.3.3 Isolation Transformer, Single-Pair, 4 KV, each	$6.78	$96.92
.3.4 Neutralizing Transformer, Single-Pair, 4 KV, each	$9.69	$96.92
.3.5 Remote Ground, each	$6.06	$96.92

6. Ring Alert

.1 General

.1.1 A Ring Alert permits the turning on or off of an appliance coincidental with station ringing current to signal a user who does not desire or cannot hear an audible signal.

.2 Rates

.2.1 The following rates and charges apply in addition to all other rates and charges applicable to the services and equipment furnished.

	Monthly Rate	Nonrecurring Charge
Ring Alert, each	$2.47	$14.54

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

7. Custom Calling Service

.1 Rates - in addition to applicable monthly rates for all service or equipment items with which Custom Calling Service is associated:

.1.1 Monthly Rates

	Monthly Rate	
	Business	Residence
a. When provided as a feature package (each package, per line or trunk arranged):		
Call Waiting and Speed Call 8 [1]	$3.60	$2.75
Call Waiting and Speed Call 30	$6.60	$4.40
Call Waiting and Call Forward	$3.30	$2.20
3 Way Calling and Speed Call 30	$8.55	$6.60
Speed Call 8 [1] and Call Forward	$2.75	$1.95
Speed Call 30 and Call Forward	$5.50	$3.30
Call Waiting, 3 Way Calling and Speed Call 30	$9.35	$7.15
Call Waiting, Speed Call 8 [1] and Call Forward	$4.40	$3.05
Call Waiting, Speed Call 30 and Call Forward	$7.15	$4.70
3 Way Calling, Speed Call 30 and Call Forward	$8.25	$6.90
Call Waiting, 3 Way Calling, Speed Call 30 and Call Forward	$10.20	$7.45
Sharper Call Pak, including Distinctive Ring	$7.95	$6.95
Sharpest Call Pak, including Distinctive Ring	$9.95	$8.95

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

8. Foreign Exchange Service

.1 Conditions

.1.1 This is exchange service furnished from an exchange other than the one from which service would normally be furnished.

a. The normal exchange is the exchange in which the customer is located.

b. The foreign exchange is an exchange other than the one in which the customer is located.

.1.2 Responsibility for billing and collecting for Foreign Exchange Service may be handled by either the normal or foreign exchange.

.1.3 The Company operating the normal exchange will determine if Foreign Exchange Service will be provided.

a. Customers subscribing to Foreign Exchange Service must also subscribe to service from their normal exchange.

.1.4 Three categories of Foreign Exchange Service are available for new installation, individual lines (excluding Public and Semi-Public Telephone Services), key trunks, and PBX Trunks. These services are provided subject to a "rate center to rate center" mileage charge as shown under Rates herein.

a. Foreign Exchange Service currently being provided by facilities extended across a common exchange boundary are subject to the following special conditions:

a.1 Such services will not be provided anew and are frozen in-place to existing customers.

a.2 Mileage charges apply to all such services as shown under Rates herein.

NOTE: Previous requirement that frozen Foreign Exchange Services be eliminated not later than December 31, 1973, is hereby canceled.

GRANDFATHERED SERVICES

SUPPLEMENTAL SERVICES AND SPECIAL EQUIPMENT (Cont'd)

8. Foreign Exchange Service (Cont'd)

.2 Rates

.2.1 The following mileage rates apply to frozen Foreign Exchange Services.

	Rate
a. Within the first mile of the common boundary (airline measurement)	$9.40
b. Within the second mile of the common boundary (Airline measurement)	$11.90

General Exchange Catalog

GRANDFATHERED SERVICES

EMERGENCY REPORTING SERVICE (FIREBAR)

A. General

Emergency Reporting Service (Firebar) is provided in the interest of the public safety by means of equipment located in the Company's central office. Through the use of this equipment a customer can make an announcement simultaneously to several exchange stations. Two basic types of equipment are available.

B. Rates

		Monthly Rate [2]	NRC
1.	Type 1		
	a. Common equipment for:		
	1) 15 or less lines	$53.30	$561.30 [1]
	2) Each additional 5 lines	$4.85	$67.80
2.	Type 2		
	a. Common equipment for:		
	1) 8 or less lines	$24.20	$135.65
	2) Each additional 8 lines	$12.10	$48.45
3.	Amplifier (for 10 or more lines)	$12.10	-
4.	Siren Control		
	a. Relay, each	$1.55	$48.80
	b. Pushbutton, including 50' circuit wire, each	$1.00	$42.65
	c. Circuit	$2.40	- [1]

[1] Service Charges apply.
[2] The monthly rate for the local exchange line is shown in Local Exchange Service Rates.

GRANDFATHERED SERVICES

EMERGENCY REPORTING SERVICE (FIREBAR) (Cont'd)

C. Conditions

1. Individual line telephones will be used for connection to the Emergency Reporting network.

2. Amplification is required for conference grouping of more than 10 lines on a network.

3. When a siren control relay is required, the siren and power for its operation will be provided by the customer.

4. Periodic checks of this system will be performed by the customer, as deemed necessary by the Company, to insure its proper operation.

5. The rates and charges shown in Rates above contemplate the use of standard equipment. Costs for equipment other than standard may be provided by the Company at cost, depending on the customer's requirement.

6. Emergency Reporting Service is to be used for dissemination of emergency messages only.

7. This service will be provided for a minimum contract period of three (3) years to any one customer.

8. The customer will not permit any electrical or mechanical equipment to be used in connection with this service without the written consent of the Company.

9. Company's liability in connection with the provision of this service is specified in this Catalog under the General Rules and Regulations.

GRANDFATHERED SERVICES

ENTERPRISE/ZENITH SERVICE (SPECIAL REVERSE TOLL CHARGE SERVICE)

A. General

This billing arrangement allows a customer to allow his patrons the privilege of calling from distant exchanges without additional charges or requesting a reversal of charges to the called station.

B. Rates

	Monthly Rate	Nonrecurring Charge
1. Special Reverse Toll Charge Service, per exchange	$6.15	[1]

C. Conditions

1. The service is provided to individual line business and PBX/PABX service.

2. This service includes a listing in the directory or directories of the exchange(s) selected by the customer from which calls are to be accepted.

   a. This number may be nonpublished at the customer's option and made available to customer selected individuals.

3. The charges for toll messages will be billed at the regular sent-paid operator handled rate existing between the exchanges to which the service is provided.

[1] Service Charges apply.

GRANDFATHERED SERVICES

CENTREX SERVICE

1. General

   Provision of CENTREX Service is categorized as follows:

   .1 CENTREX-A, new installations not permitted. Existing installations are frozen to customers of record on November 16, 1975.

   .2 CENTREX-C, available only to Caterpillar Tractor Co., Mossville, Illinois.

2. CENTREX-A Service

   .1 CENTREX-A Service consists of the necessary PABX switching equipment, trunking equipment which may include provision for transfer of incoming calls, the identification of the number originating an outgoing toll call, central office trunk cables and the distribution system between the switching equipment and the station connections.

   .2 CENTREX-A Service is of two types:

      .2.1 CENTREX-A CU Service applies to installations where the switching equipment is located on customer premises.

      .2.2 CENTREX-A CO Service applies to installations where the switching equipment is located on Company premises.

   .3 CENTREX-A Service has two applications:

      .3.1 Commercial CENTREX-A Service is applicable to customers whose use of the service is for commercial, professional or industrial purposes (see Paragraph 1. above).

      .3.2 Institutional CENTREX-A Service is applicable at educational institutions such as colleges and universities where a combined administrative and dormitory service may be provided (see Paragraph 1. above).

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

2. CENTREX-A Service (Cont'd)

.4 Service Features

.4.1 Incoming calls from outside the system may be made to any station of the system, without the assistance of the attendant, by dialing the number of the station.

.4.2 Stations of the system may dial outgoing local and toll calls.

.4.3 Identification of outgoing toll messages and billing of toll messages by station number is provided.

.4.4 Incoming calls may be transferred to any other station of the same customer.

.4.5 Intercommunication between stations of the same CENTREX-A customer is provided.

.4.6 Intercept arrangements for vacant and changed numbers within the assignment associated with a CENTREX-A customer is provided.

.4.7 The attendant is able to extend inward calls from outside the system to the station number associated with a directory listed number.

.4.8 Optional service features are:

a. Toll restriction
b. Night service arrangements
c. Tie line terminations
d. Fully restricted lines and stations

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

2. CENTREX-A Service (Cont'd)

.5 Conditions

.5.1 CENTREX-A Service is furnished by means of standard telephone stations installed at the customer locations. CENTREX-A Service will be provided only where facilities and operating conditions permit.

a. CENTREX-A stations, unless fully restricted, have the same local calling area privileges, as do other main terminals of the exchange from which service is provided.

b. Any station of a Commercial CENTREX-A system and any administrative station, but not a dormitory station, of an Institutional CENTREX-A system may be restricted as to toll service or fully restricted if requested by the customer.

.5.2 When CENTREX-A CU Service is provided, all manual operations at the customer premise are performed by, and at the expense of the customer and must conform with the prescribed operating practices and procedures to maintain a proper service standard on connecting telephone systems.

a. Suitable and sufficient space for any switching, terminal or distributing equipment shall be provided by the customer.

b. Commercial power necessary to operate the switching, terminal or distributing equipment shall be provided by the customer.

.5.3 The initial contract period for Commercial CENTREX-A customers is for five (5) years and for Institutional CENTREX-A customers is for two (2) years. During the contract period the location of the switching equipment and attendant's position is not to be changed except at the customer's expense.

a. Unless otherwise authorized below, CENTREX-A Service shall require minimum monthly billing equal to the charge for 200 nondormitory lines and stations on the same continuous property:

The minimum monthly billing applicable to CENTREX-A Service furnished to Monmouth College, Monmouth, Illinois, is $1,160.00.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

2. CENTREX-A Service (Cont'd)

.5 Conditions (Cont'd)

.5.4 The contract for CENTREX-A Service may be terminated at any time within the contract period by the payment of a termination charge. In case of discontinuance of CENTREX-A Service, a termination charge applies, or, in the case of a reduction in the number of lines of a system, a partial termination charge applies.

a. The termination charge for each attendant's position whether removed with a CENTREX-A position or alone, is an amount equal to the monthly rate multiplied by the number of months remaining in the initial contract period.

b. The termination charge for CENTREX-A stations will be fifty percent (50%) of the minimum monthly station billing charge in effect at the date service is terminated, multiplied by the number of months remaining in the initial contract period.

.5.5 One (1) primary directory listing is furnished, without charge, for each CENTREX system at the primary location.

a. Other additional directory listings may be provided at the rates specified for additional business listings.

.5.6 CENTREX-A systems, consisting of only dormitory stations, will not be offered by the Company and dormitory stations will not be considered in the determination of the first 200 stations in any one system.

a. Dormitory stations have the basic station features of CENTREX-A Service as outlined in Paragraph .2.4, except that calls may not be transferred from a dormitory station to any other station.

b. Dormitory stations will not be restricted as to access of the toll network.

c. Dormitory stations may be extended only in the same room or suite of rooms as the main dormitory station.

d. Stations located in the administrative quarters of dormitories shall be classified as administrative stations.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

2. CENTREX-A Service (Cont'd)

.5 Conditions (Cont'd)

.5.7 Mileage charges will not apply for CENTREX-A stations that are located within the base rate area of the serving exchange if the CENTREX-A station is located on the same continuous property as the attendant's position.

.5.8 The established mileage charge for circuits applies to all tie lines connecting a CENTREX-A Service to another CENTREX Service of a different customer or to a private branch exchange system of the same or of a different customer on noncontinuous property in different buildings. If the switching equipment of a CENTREX-A CU system is not located in the same building as the attendant's position and is on noncontinuous property, then established tie line mileage charges apply to each connecting circuit.

.5.9 The Company will determine the number of central office trunks required in connection with CENTREX-A CU Service. Quantities will be determined based on Telephone Communication Industry Standards of Service for similar inter-central office trunking.

.6 Rates (CENTREX-A)

.6.1 Non-restricted Lines

a. Service Charges apply as shown in other Sections of this Catalog.

b. CENTREX-A Service is offered only as a complete Service. The Exchange Access or Intercommunication portions of the following rates are not offered separately.

CENTREX-A (CO) [1]	Monthly Rate Per Line Exchange Access	 Intercommunication
First 200, each	$9.49	$9.90
201 - 600, each	$8.49	$9.15
601 - 1000, each	$7.99	$6.95
Over 1000, each	$7.59	$4.30

[1] Line rates shown herein do not include the provision of stations.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

2. CENTREX-A Service (Cont'd)

.6 Rates (CENTREX-A) (Cont'd)

.6.1 Non-restricted Lines (Cont'd)

	Monthly Rate
CENTREX-A (CU), per line [1, 2]	
First 100, each	$30.73
101 - 200, each	$15.48
201 - 600, each	$14.33
601 - 1000, each	$11.98
Over 1000, each	$9.23

	Monthly Rate CO/CU	Nonrecurring Charge
.6.2 Fully Restricted Lines		
a. CO CENTREX Lines, each	$5.30	[1]
b. CU CENTREX Lines, each	$3.65	[1]
.6.3 Night Answering Equipment		
a. Selected Station Night Answering, per trunk arranged	$8.00	$14.54
b. Zoned Universal Night Answering, per system	$3.30	$9.69
.6.4 Tie Line Terminations, on noncontinuous property in different building, each	$17.60	NONE

.6.5 Other services not specifically included as part of CENTREX-A Service are furnished at the established rate and charges.

[1] The appropriate Business PBX Trunk rate set forth in other Catalogs of the Company applies to local trunks utilized in conjunction with CENTREX-A CU Service. Service Charges are specified in other Sections of this Catalog.

[2] Line rates shown herein do not include the provision of stations.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

3. CENTREX-C Service

.1 Conditions

.1.1 CENTREX-C Service is furnished only on a CO basis (i.e., switching equipment located on Company premises) and requires that all lines be equipped exclusively for Touch Calling operation.

.1.2 The Company will furnish one alpha and one classified directory listing, without charge, per CENTREX-C system. Additional listings are offered subject to the provisions outlined in other Sections of this Catalog.

.1.3 The Company will furnish such quantities of equipment as are required to provide a quality of service which meets the call completion standards of the telephone industry.

.1.4 The rates and charges shown for CENTREX-C Service apply to standard installations of the Service. Other services as provided for in the Catalogs of the Company may be furnished in connection with this Service at the rates and charges specified for such services.

.1.5 Each request for establishment of a CENTREX-C system must be placed in writing by the customer. Should the customer elect to cancel such a request after acceptance by the Company and before the start of the initial contract period described below, he may do so subject to notice in writing and payment to the Company for all resulting nonrecoverable labor and material costs.

.1.6 The initial contract period for CENTREX-C Service is 150 months, commencing on the date that the Service is established. In the event that CENTREX-C Service is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

The termination charge will equal such proportion of the sum of the cost of the equipment and its installation, plus the cost of removal, less the salvage value of the equipment removed, as the sum of the unexpired months of the initial contract period bears to 150 months.

.1.7 The attendant's turret(s) shall be located on the customer's premises. The specific location will be subject to transmission limitations of the equipment.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

3. CENTREX-C Service (Cont'd)

.1 Conditions (Cont'd)

.1.8 When CENTREX-C Service is provided, all manual operations at the customer's premises are performed by, and at the expense of, the customer and must conform with Company prescribed operating practices and procedures.

a. Suitable and sufficient space for all terminal or distributing equipment shall be provided by the customer.

b. Commercial power necessary to operate terminal or distributing equipment located on the customer's premises shall be provided by the customer.

.1.9 Mileage Charges will apply for any termination not located on the same continuous property of the primary location and in a different building. Such charges shall be measured from the primary location of the CENTREX-C Service to the location of the off-premises termination.

.1.10 This Catalog (including the rates and charges shown herein) for CENTREX-C Service is subject to such changes or modifications as the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

.2 Service Features

.2.1 CENTREX-C Service provides the required switching equipment and central office lines.

.2.2 The basic features of CENTREX-C Service are: Direct inward dialing; direct outward dialing; Touch Calling; identification of outgoing toll messages and associated billing by station number; station controlled transfer, consultation and conference; dial access to WATS with route advance; random and sequential station hunting; extendible information trunks; attendant controlled camp-on and busy override; six classes of station restriction; intercept; universal night answer; cordless operation of attendant turret(s); 3 Way Calling (up to 1,600 lines); call waiting (up to 925 lines).

.2.3 CENTREX-C Service optional features may include: Speed Call 8; Speed Call 30; call forwarding - group; call forwarding - universal; call pick-up; dictation links; six-port attendant conference; add-on conference; special trunk terminations (FX, WATS, Tie Lines).

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

3. CENTREX-C Service (Cont'd)

.3 Rates

.3.1 Non-restricted Lines (Touch Calling)

a. CENTREX-C Service is offered only as a complete service. The Exchange Access or Intercommunication portions of the following rates are not offered separately.

	Monthly Rate Per Line	
	Exchange Access	Intercommunication
First 2500, each	$8.59	$17.60
Next 1000, each	$8.44	$15.15
Over 3500, each	$8.29	$11.55

NOTE: Line rates shown herein do not include the provision of stations.

.3.2 Restricted Lines (Touch Calling)

	Monthly Rate
a. CENTREX-C (CO) Line, each	$7.65

.3.3 Service Charges

a. An initial nonrecurring charge of $37,500.00 applies to CENTREX-C Service and includes installation of all attendants' turrets, connection of the first 2,500 lines and connection of the first 2,875 stations as well as all optional features simultaneously installed.

b. The connection of lines and/or changes in excess of the quantities specified will be accomplished subject to the appropriate charges shown in other Sections of this Catalog.

c. Optional features requested after the initial installation of CENTREX-C Service will be provided subject to the nonrecurring charges shown elsewhere in this Section.

GRANDFATHERED SERVICES

CENTREX SERVICE (Cont'd)

3. CENTREX-C Service (Cont'd)

.3 Rates (Cont'd)

.3.4 Optional Features

		Monthly Rate	Nonrecurring Charge
a.	Special trunk termination arranged to select and to be selected with station transfer capability (for FX, WATS, Tie Lines), each	$45.50	$65.00
b.	Attendant six-port conference, each	$78.00	$130.00
c.	Add-on conference, each	$130.00	$143.00
d.	Dictation link, each	$33.80	$52.00
e.	Speed Call, (up to 500 short list lines and up to 100 long list lines)	$88.40	$325.00
f.	Call pick-up (up to 63 groups)	$45.50	$214.50
g.	Call forwarding (up to 55 group type lines and up to 500 universal type lines)	$71.50	$240.50

GRANDFATHERED SERVICES

WIRED MUSIC SERVICE

1. General

.1 Channels for the Transmission of Recorded Music in Connection with Loud Speakers and of Programs for Sound Recording - General Undertaking of Telephone Company.

.1.1 Channels are electrical paths suitable for the purpose furnished and are derived in such manner as the Telephone Company may elect. The Telephone Company will furnish channels for specific purposes, as described hereinafter, on a contract basis, subject to the availability of facilities and the requirements of the Company's local exchange and message toll telephone service, and subject to such other conditions as are specified in this Catalog.

.1.2 The channels are furnished under contract for use between two designated premises. The channels are intended only for use by the customer or an authorized user and shall not be used for any purpose for which a payment or other compensation shall be received by them or either of them from any other person, firm or corporation for such use, or in the collection, transmission or delivery of any communications for others. The contract or any rights acquired thereunder by the customer may not be assigned or in any manner transferred.

2. Use of Channels by Customer

.1 The customer may not create additional channels from facilities provided by the Telephone Company.

.2 The magnitude and the character of the voltages and currents impressed on the Telephone Company channel by the customer-owned equipment and wiring and the operation and maintenance of such equipment and wiring shall be such as not to interfere with any of the services offered by the Telephone Company or interfere with others. The characteristics of the customer-owned apparatus shall be such that its connection to the Telephone Company channel does not interfere with service over other Telephone Company circuits or channels or impair privacy of conversations over such circuits or channels. In cases in which additional protective equipment is required, this shall be provided by the customer or by the Telephone Company at the customer's expense. Such equipment shall be suitable to avoid hazard of damage to Telephone Company plant or of injury to Telephone Company employees or to the public because of the character or location of customer-owned apparatus and of sources of power to which it is connected.

GRANDFATHERED SERVICES

WIRED MUSIC SERVICE (Cont'd)

2. Use of Channels by Customer (Cont'd)

.3 The Telephone Company may, upon suitable notification to the customer, make such tests and inspections as may be necessary to determine that the above requirements are being compiled in the installation, operation, and maintenance of customer-owned equipment. The Telephone Company may interrupt the channel if at any time such action should become necessary in order to protect any of its services because of departure from these requirements.

.4 The channels and equipment shall not be connected either directly or indirectly with wire facilities provided other than by the Telephone Company. Facilities furnished in connection with exchange, message toll or private line telephone service shall not be connected with channels furnished for the transmission of recorded music and of programs for sound recording.

.5 The customer indemnifies and saves the Telephone Company harmless against claims for libel, slander or the infringement of copyright arising from the material transmitted over the channels; against claims for the infringement of patents arising from combining with, or using in connection with, channels of the Telephone Company apparatus and systems of the customer; and against all other claims with the channels provided by the Telephone Company.

.6 The channels furnished hereunder shall be used for the following purposes only: The transmission of recorded music of a non-informational character and such conversion as is reasonably necessary for the selection of the particular recording to be played; transmission of a program for the purpose of sound recording. The channels shall not be used for the transmission of obscene, vulgar or illegal messages or recordings, nor for any purpose which will promote or assist in the consummation of illegal acts. The violation of the provisions of the paragraph shall be grounds for the termination of the service forthwith and if the Company has reason to believe that this paragraph is being violated, it may forthwith terminate the service without liability to it and without notice to the customer.

3. Channels for The Transmission of Recorded Music And Of Programs For Sound Recordings

Channel facilities between stations in the same exchange or special exchange area, specially equipped and operated for the transmission of recorded music in connection with loudspeakers and the transmission of programs for sound recording, are furnished for transmission in one (1) direction. Transmission in the opposite direction is permitted where possible.

GRANDFATHERED SERVICES

WIRED MUSIC SERVICE (Cont'd)

4. Auxiliary Facilities for Signaling and Speech Coordinating Purposes

.1 A spare channel for the transmission of recorded music and of programs for sound recording may be used for signaling and speech coordinating purposes where practicable.

.2 Where the customer requests a separate speech channel for use in connection with customer-owned equipment for signaling and speech coordinating purposes such a channel will be provided at the rates shown in Paragraph 10.2 following only as an adjunct to the channel used for the transmission of recorded music between the same locations.

5. Station Equipment and Facilities Furnished by Customer

All Station equipment and facilities, other than equipment necessary for the suitable termination of the channel facilities on the premises of the customer or authorized user, shall be provided by the customer. The Company accepts no responsibility for the quality of service provided by customer-owned station equipment or facilities.

6. Testing and Adjusting

.1 Channels furnished on a twenty-four (24) hour per day basis shall be available to the Company once in each twenty-four (24) hours, at a time agreeable to both the customer and the Company to make such tests and adjustments as may be necessary to maintain the channels in satisfactory operating condition. No interruption allowance will be made to the customer for such time as the Company requires to make such tests and adjustments.

Equalization Charges - One channel, or two channels between the same points and equalized at the same time	$24.23

.2 Auxiliary Channels for Signaling and Speech Coordinating Purposes Furnished as an Adjunct to Channels for Recorded Music.

.2.1	Nonrecurring Charge, per channel	$14.54
.2.2	Mileage Rates For each channel measured by the most direct street distance between the stations	
	First 1/2 mile or fraction, per month	$5.00
	Each additional 1/4 mile or fraction, per month	$1.25

.3 Special Equipment and Arrangements

Special equipment and arrangements requested by customers and not otherwise provided for herein are furnished whenever possible, if not detrimental to any of the services furnished by the Company and additional charges, based upon the costs incurred, apply.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE

1. General

.1 Wide Area Telephone Service (WATS) as provided under this catalog, is the furnishing of dial type telecommunications between a station associated with a WATS access line and stations within the same Market Service Area, within the State of Illinois. The terms and conditions of this Catalog apply to calling within the WATS customer's Market Service Area, including the use of the WATS access line and other WATS related facilities. The access line furnished for WATS pursuant to this Catalog will be furnished only within the State of Illinois.

.2 Dial type telecommunication is a call dialed and completed from or to a WATS access line without the assistance of a Company operator or placed with an operator where facilities are not available for dial completion or where, for other service reasons, operator assistance in completion of the call is necessary.

.3 WATS does not include calling to or from stations not within the same Market Service Area, person-to-person, collect, conference, or other calls requiring operator assistance except as provided in .2 preceding. WATS to or from stations not within the WATS customer's Market Service Area is provided by other carriers.

.4 Generally, a WATS access line is a path between the Network Interface at the customer's premises and the point in a Company central office where access to the switched network is obtained for the purpose of completing WATS calls. Each WATS access line will be arranged at the customer's option for either Outward WATS or 800 Service, but not intermixed.

.4.1 Outward WATS - WATS arranged for outward service provides for the origination of calls from a station associated with an outward WATS access line, for telecommunications with all stations within the same Market Service Area, within the state.

.4.2 800 Service - WATS arranged for 800 Service provides for the termination of calls from stations within a Market Service Area, for telecommunications with a station associated with an 800 Service access line located within the same Market Service Area within the state.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.5 WATS is not represented as adapted for connection to other services of the Company or to customer-provided equipment or services. The service contemplates the provision of satisfactory transmission only between the access line and the calling or called Company station. Connection of WATS to other services is permitted on a switched basis only. No permanent connection between WATS and other services may be established. Connections of communications systems provided by the customer or Other Common Carrier to WATS may be made. However, the Company will not be responsible for the through transmission of signals or for the quality of transmission on such connections.

.6 WATS may be connected (1) at the customer's premises to terminal equipment, switching equipment or communications systems, or (2) at a Company central office to Company-provided switching equipment or to another Common Carrier communications system. Connections to customer provided equipment or systems or to another Common Carrier communications system must be in accordance with the Federal Communications Commission's Registration Program as set forth in this Catalog. 800 Service may not be terminated as a station (e.g., PBX station or CENTREX station) in switching equipment.

.7 The minimum contract period is one day for access lines and extensions of individual access lines.

.8 Fractional Period Billing

.8.1 The charges for a fractional part of the month will be billed at a rate equal to one-thirtieth of the monthly recurring charge times the actual number of days service was furnished. Usage charges will be billed as provided in 2. following.

.9 Message Toll Telephone Service furnished at a customer's request when the customer's WATS line is interrupted is charged for at the message toll rates shown in this Catalog.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.10 Use of the Service by the Customer

.10.1 WATS is provided for use by the customer and may be used by others, when so authorized by the customer, providing that all such usage shall be subject to the provisions of this Catalog.

.10.2 Orders, including those, which involve the start, rearrangement, release or discontinuance of service, will be accepted by the Company only from the customer.

.11 Liability of the Company

.11.1 Regulations applicable to the Company's liability are set forth in this Catalog. This liability shall be in addition to any amounts that may otherwise be due the customer under this Catalog as an allowance for interruptions.

.12 Retention of 800 Service Telephone Numbers

.12.1 Customers may retain the same 800 Service telephone number when moving to another location.

.13 WATS is furnished subject to the condition that there will be no abuse or fraudulent use of the service as set forth in this Catalog.

.14 Where a shortage of service components exists at any time either for temporary or protracted periods, the establishment of Exchange and Message Toll Telephone Service shall take precedence over all other services.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.15 Transfer of Service

.15.1 WATS, including any associated telephone number or numbers of a subscriber, may be assigned or transferred; provided there is no interruption of the service or relocation of the service beyond the area served by the Company-designated WATS Central Office subject to the following conditions:

a. The assignment or transfer may be made to any person, partnership, association or corporation, or to a receiver, trustee or other person appointed by a court or acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee complies with all provisions of this Catalog and assumes all outstanding indebtedness for such service and the unexpired portion of the initial contract period applicable to such service, if any, and;

b. The assignee or transferee shall obtain and provide to the Company the written consent of the subscriber from whom the service is transferred. In addition, the transferee or assignee shall, upon request, provide written acceptance of responsibility for all outstanding charges, if any, and;

c. The legal rights and financial responsibility of the assignee or transferee are established to the satisfaction of the Company, and;

d. A Record Work Only Charge applies as set forth in this Catalog, except where a move or change is associated with such transfer or assignment. In such instances the appropriate Service Charges applicable to the work functions performed apply as set forth in this Catalog in lieu of a record change only charge.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.16 Cancelation of Application for Service

.16.1 When a request for an installation is canceled prior to the establishment of service, charges are applicable as set forth below:

a. Where the applicant cancels an order for service prior to the start of installation or special construction of facilities, no charge applies.

b. Where installation of facilities, other than those provided by special construction, has been started prior to the cancelation, the lower of the following charges applies:

b.1 The total costs (including overheads) in connection with providing and removing such facilities.

b.2 The monthly charges for the entire initial contract period of the service ordered by the customer, as provided in this Catalog, plus the full amount of any installation and termination charges applicable.

c. Where special construction of facilities has been started prior to the cancelation and there is another requirement for the specially constructed facilities, in place, no charge applies.

d. Where special construction of facilities has been started prior to the cancelation, and there is no other requirement for the specially constructed facilities, a charge equal to the costs incurred in the special construction (including overheads) applies. Where one or more, but not all, of the services involved in the special construction are canceled, a charge equal to the cost (including overheads) incurred for the discontinued services applies.

e. Installation or special construction of facilities for a customer starts when the Company incurs any expense in connection therewith which would not otherwise have been incurred and the customer has advised the Company to proceed with the installation or special construction.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.17 Allowance for Interruptions

.17.1 Allowance for interruptions apply to each WATS access line as set forth in a. through e. following:

a. When the WATS access line is interrupted for a period of less than 2 hours, no credit applies.

b. When the WATS access line is interrupted for a period of 2 hours to 24 hours, a credit of $26.65 applies for Outward WATS and $22.15 for 800 Service.

c. When the WATS access line is interrupted for a period of more than 24 hours, a credit of $26.65 applies for Outward WATS and $22.15 for 800 Service for each 24 hour period or any fraction thereof.

d. The credits in b. and c. preceding include all credit to be applied for an interruption.

e. None of the above credit allowances will be made for:

e.1 Non-completion of WATS messages due to busy network conditions.

e.2 Interruption of service due to customer-provided equipment or systems.

e.3 Interruption of service due to the negligence or willful act of the customer.

e.4 Interruption of service during any period in which the Company is not afforded access to the premises at which the WATS access line is terminated.

e.5 Interruption of service during any period when the customer has released the WATS access line to the Company for maintenance purposes, or implementation of a customer order for a change in service arrangement.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. General (Cont'd)

.18 Expanded 800 Service

.18.1 For charges and regulations applicable to Expanded 800 Service, when used in combination with interstate and intrastate 800 Service, consult AT&TC Tariff F.C.C. No. 2.

.19 Resale of Wide Area Telephone Service

.19.1 Resale and sharing of IntraMSA Wide Area Telephone Service is permitted under Resale of Service conditions set forth in this Catalog.

.20 All rates and charges set forth in this catalog are subject to adjustment within a range. The minimum of the range is 20% below and the maximum is 15% above the rates and charges indicated. The range is subject to rounding down to the next lower cent for rate decreases and rounding up to the next higher cent for rate increases. Adjustments within the range will be made only in response to access charge changes as granted by the Illinois Commerce Commission for Frontier North Inc., or other exchange carriers in Frontier North Inc.'s Market Service Areas (5, 10, 11, 12, 14, and 17).

Not less than one day prior to the effective date of any rate decrease and not less than 30 days prior to any rate increase, the Company will inform customers of the change. Rate and charge lists containing the currently effective rates and charges as well as any changes that are to become effective, will be available for inspection at the public offices of this Company and at the offices of the Illinois Commerce Commission.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

2. Rates and Charges for MSAs 5, 10, 11, 12, 14, and 17 [1]

.1 Monthly Recurring Charges

		Monthly Rate
.1.1	Access Line Charge	
	a. Outward, each	$37.26
	b. 800 Service, each	$37.26

.2 Monthly Usage Charges

.2.1 The hourly usage rates are as follows:

HOURS OF USE 800 Service		HOURS OF USE Outward WATS	
.1 - 25	$14.13	.1 - 25	$10.89
25.1 - 100	$12.45	25.1 - 100	$9.58
100.1 and Over	$11.77	100.1 and Over	$9.07

.3 Method of Determining Usage Charges

.3.1 Determine the total actual hours used for the service group, rounded to the nearest tenth (one decimal place).

.3.2 Determine the usage charge for the service group by multiplying the hourly rate in the appropriate taper(s) by the number of hours used in each taper and totaling these charges.

.3.3 Determine the total usage by adding the usage charges for each service group as determined in .3.2 preceding.

[1] All rates and charges shown herein are applicable to MSAs 5, 10, 11, 12, 14, and 17 with the exception of Access Line charges set forth in .1.1 which are also applicable to WATS customers in all the Company's exchanges.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

2. Rates and Charges for MSAs 5, 10, 11, 12, 14, and 17 (Cont'd)

.4 Timing of Calls

.4.1 Chargeable time begins when connection is established between a station associated with the WATS access line and the calling or called station and ends when the calling station "hangs up"; thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released by automatic timing equipment in the telephone network.

.4.2 When 800 Service is directly connected (i.e., not connected through switching equipment) at a customer's premises to a communications system, chargeable time begins when the 800 Service terminates in or passes through the first switch or terminal equipment on that communications system. It is the customer's responsibility to furnish appropriate answer supervision to the point of connection with the 800 Service so that chargeable time may begin.

.5 Additional Access Line Terminations

	Monthly Rate
.5.1 Channel Rates Where Applicable	As shown in this Catalog

.6 Directory Listings - 800 Service

.6.1 800 Service customers may have the 800 Service number listed at no charge once in every Company Directory in the Market Service Area (MSA) where the 800 Service is terminated.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

2. Rates and Charges for MSAs 5, 10, 11, 12, 14, and 17 (Cont'd)

.7 Service Charges

.7.1 Service Charges as specified for WATS in this Catalog are applicable for installations, outside moves, changes and record changes of WATS access lines. Business Service Charges are applicable for inside moves and installation of WATS additional access line terminations not requiring channel service. Where channel service rates apply to WATS additional access line terminations, Service Charges as specified in this catalog for a Private Line Service facility apply. One Service Charge applies, per customer-requested order, for all work applicable to Outward WATS and 800 Service ordered at the same time to be performed on the same date at the same premises. Separate Service Charges apply to unrelated orders.

a. Installations Outside Moves and Changes in Direction (Outward to 800 Service or Vice Versa) of WATS access lines.

The following Service Charges apply as appropriate:
WATS Service Ordering - Initial - per order
WATS Line Connection - Initial - per line
Premises Work - Complex Services - per request

b. Changes

Subsequent to the initial installation of WATS, WATS Service Charges apply for the following changes made at the request of the customer.

(a) A change in the telephone number for 800 Service at the request of the customer.

(b) Combining two or more 800 Service hunting arrangements into a single hunting arrangement containing the same 800 Service access lines.

(c) Separating an existing 800 service group into two or more hunting arrangements which contain the same 800 Service access lines as the original hunting arrangement and a new hunting group is being established.

(d) The following WATS Change Charges apply to a change from loop to ground start, or vice versa:
Service Charge - per order
Line Connection Charge - per line

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

2. Rates and Charges for MSAs 5, 10, 11, 12, 14, and 17 (Cont'd)

.7 Service Charges (Cont'd)

.7.1 (Cont'd)

c. Inside Moves and Installations of WATS Extensions Not Requiring Channel Service

c.1 When a WATS access line or a WATS extension station is moved to a new location on the same premises or a WATS extension not requiring channel service is installed subsequent to installation of the WATS access line, the following Service Charges apply, as appropriate:

Business Subsequent Ordering Charge - per order
Premises Work - Complex Services - per request

c.2 When a WATS access line or WATS extension station is moved to a new location on different premises, WATS Installation Charges apply.

d. Record Change Only

d.1 For changing Company records at the request of the customer, as specified in this Catalog, apply the WATS Record Work Only Ordering Charge - per order.

.8 Optional arrangement to automatically exclude all station locations on different premises when one station location originates WATS call. Busy tone is provided to excluded locations. (All station locations must be bridged at the same central office).

	Monthly Rate	Nonrecurring Charge
.8.1 Each extension location arranged	$4.85	$24.23

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

2. Rates and Charges for MSAs 5, 10, 11, 12, 14, and 17 (Cont'd)

.9 Alternate Central Office Service

.9.1 When connections are made to customer or OCC-provided communications systems or terminal equipment, at a premises where the customer does not originate or terminate communications, the Company may require that WATS be furnished from a WATS Central Office different from the central office normally designated by the Company to serve that premises.

.9.2 Under such circumstances, mileage charges apply between the WATS Central Office normally designated to serve that premises and the Alternate WATS Central Office from which service is actually provided. The mileage charges are determined as follows:

	Monthly Rate
a. Where the WATS Central Offices are in the same exchange	Apply appropriate charges as shown in this Catalog.
b. Where the WATS Central Offices are in different exchanges	Apply appropriate charges as shown in this Catalog.

.10 Four-Wire Terminating Arrangement

.10.1 Initial nonrecurring charges and monthly charges are applicable for the installation of, or change to, a four-wire terminating arrangement as shown below and are in addition to the WATS nonrecurring establish charges and the access line monthly charge.

	Monthly Rate	Nonrecurring Charge
a. Four-Wire Terminating Arrangement, when installed coincidental with the WATS access line with which it is associated	$12.12	$48.46
b. When installed subsequent to the WATS access line with which it is associated	$12.12	$72.69

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

3. Rates and Charges for MSAs 1, 2, 6, 7, 9, and 15

.3.1 Concurrence in Regulations and Charges of Illinois Bell Telephone Company

a. Frontier North Inc. concurs in the rates, rules and regulations governing intrastate Wide Area Telephone Service as filed by the Illinois Bell Telephone Company with the Illinois Commerce Commission.

b. Frontier North Inc. extends this concurrence to any and all changes, which may be made subsequent to this date by the Illinois Bell Telephone Company.

c. Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears that such cancelation is to the best interest of Frontier North Inc., but only after compliance has been made with such orders of the Illinois Commerce Commission as may be required in lieu of such cancelation.

4. Rates and Charges for MSA 8

.4.1 Concurrence in Regulations and Charges of Illinois Consolidated Telephone Company

a. Frontier North Inc. concurs in the rates, rules and regulations governing intrastate Wide Area Telephone Service as filed by the Illinois Consolidated Telephone Company with the Illinois Commerce Commission.

b. Frontier North Inc. extends this concurrence to any and all changes, which may be made subsequent to this date by the Illinois Consolidated Telephone Company.

c. Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears that such cancelation is to the best interest of Frontier North Inc., but only after compliance has been made with such orders of the Illinois Commerce Commission as may be required in lieu of such cancelation.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General

1. Wide Area Telephone Service (WATS) as provided under this catalog, is the furnishing of dial type telecommunications between a station associated with a WATS access line and stations within the same Market Service Area, within the State of Illinois. The terms and conditions of this Catalog apply to calling within the WATS customer's Market Service Area, including the use of the WATS access line and other WATS related facilities. The access line furnished for WATS pursuant to this Catalog will be furnished only within the State of Illinois.

2. Dial type telecommunication is a call dialed and completed from or to a WATS access line without the assistance of a Company operator or placed with an operator where facilities are not available for dial completion or where, for other service reasons, operator assistance in completion of the call is necessary.

3. WATS does not include calling to or from stations not within the same Market Service Area, person-to-person, collect, conference, or other calls requiring operator assistance except as provided in 2. preceding. WATS to or from stations not within the WATS customer's Market Service Area is provided by other carriers.

4. Generally, a WATS access line is a path between the Network Interface at the customer's premises and the point in a Company central office where access to the switched network is obtained for the purpose of completing WATS calls. Each WATS access line will be arranged at the customer's option for either Outward WATS or 800 Service, but not intermixed.

   a. Outward WATS - WATS arranged for outward service provides for the origination of calls from a station associated with an outward WATS access line, for telecommunications with all stations within the same Market Service Area, within the state.

   b. 800 Service - WATS arranged for 800 Service provides for the termination of calls from stations within a Market Service Area, for telecommunications with a station associated with an 800 Service access line located within the same Market Service Area within the state.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General (Cont'd)

5. WATS is not represented as adapted for connection to other services of the Company or to customer-provided equipment or services. The service contemplates the provision of satisfactory transmission only between the access line and the calling or called Company station. Connection of WATS to other services is permitted on a switched basis only. No permanent connection between WATS and other services may be established. Connections of communications systems provided by the customer or Other Common Carrier to WATS may be made. However, the Company will not be responsible for the through transmission of signals or for the quality of transmission on such connections.

6. WATS may be connected (1) at the customer's premises to terminal equipment, switching equipment or communications systems, or (2) at a Company central office to Company-provided switching equipment or to another Common Carrier communications system. Connections to customer-provided equipment or systems or to another Common Carrier communications system must be in accordance with the Federal Communications Commission's Registration Program. 800 Service may not be terminated as a station (e.g., PBX station or CENTREX station) in switching equipment.

   Rates and charges for terminal equipment or communications systems provided by the Company will be those specified elsewhere in this Catalog.

7. The minimum contract period is one day for access lines and extensions of individual access lines.

8. Fractional Period Billing

   a. The charges for a fractional part of the month will be billed at a rate equal to one-thirtieth of the monthly recurring charge times the actual number of days service was furnished. Usage charges will be billed as provided in B. following.

9. Message Toll Telephone Service furnished at a customer's request when the customer's WATS line is interrupted is charged for at the message toll rates shown in this Catalog.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General (Cont'd)

10. Use of the Service by the Customer

    a. WATS is provided for use by the customer and may be used by others, when so authorized by the customer, providing that all such usage shall be subject to the provisions of this Catalog.
    b. Orders, including those, which involve the start, rearrangement, release or discontinuance of service, will be accepted by the Company only from the customer.

11. Liability of the Company

    a. Regulations applicable to the Company's liability are set forth in this Catalog. This liability shall be in addition to any amounts that may otherwise be due the customer under this Catalog as an allowance for interruptions.

12. Retention of 800 Service Telephone Numbers

    a. Customers may retain the same 800 Service telephone number when moving to another location.

13. WATS is furnished subject to the condition that there will be no abuse or fraudulent use of the service as set forth in other catalogs of the Company.

14. Where a shortage of service components exists at any time either for temporary or protracted periods, the establishment of Exchange and Message Toll Telephone Service shall take precedence over all other services.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General (Cont'd)

15. Transfer of Service

a. WATS, including any associated telephone number or numbers of a subscriber, may be assigned or transferred; provided there is no interruption of the service or relocation of the service beyond the area served by the Company-designated WATS Central Office subject to the following conditions:

1) The assignment or transfer may be made to any person, partnership, association or corporation, or to a receiver, trustee or other person appointed by a court or acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee complies with all provisions of this Catalog and assumes all outstanding indebtedness for such service and the unexpired portion of the initial contract period applicable to such service, if any, and;

2) The assignee or transferee shall obtain and provide to the Company the written consent of the subscriber from whom the service is transferred. In addition, the transferee or assignee shall, upon request, provide written acceptance of responsibility for all outstanding charges, if any, and;

3) The legal rights and financial responsibility of the assignee or transferee are established to the satisfaction of the Company, and;

4) A Record Work Only Charge applies as set forth in this Catalog, except where a move or change is associated with such transfer or assignment. In such instances the appropriate Service Charges applicable to the work functions performed apply as set forth in this Catalog in lieu of a record change only charge.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General (Cont'd)

16. Cancelation of Application for Service

a. When a request for an installation is canceled prior to the establishment of service, charges are applicable as set forth below:

1) Where the applicant cancels an order for service prior to the start of installation or special construction of facilities, no charge applies.

2) Where installation of facilities, other than those provided by special construction, has been started prior to the cancelation, the lower of the following charges applies:

a) The total costs (including overheads) in connection with providing and removing such facilities.

b) The monthly charges for the entire initial contract period of the service ordered by the customer, as provided in this Catalog, plus the full amount of any installation and termination charges applicable.

3) Where special construction of facilities has been started prior to the cancelation and there is another requirement for the specially constructed facilities, in place, no charge applies.

4) Where special construction of facilities has been started prior to the cancelation, and there is no other requirement for the specially constructed facilities, a charge equal to the costs incurred in the special construction (including overheads) applies. Where one or more, but not all, of the services involved in the special construction are canceled, a charge equal to the cost (including overheads) incurred for the discontinued services applies.

5) Installation or special construction of facilities for a customer starts when the Company incurs any expense in connection therewith which would not otherwise have been incurred and the customer has advised the Company to proceed with the installation or special construction.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)
A. General (Cont'd)

17. Allowance for Interruptions

a. Allowance for interruptions apply to each WATS access line as set forth in 1) through 5) following:

1) When the WATS access line is interrupted for a period of less than 2 hours, no credit applies.

2) When the WATS access line is interrupted for a period of 2 hours to 24 hours, a credit of $26.65 applies for Outward WATS and $22.15 for 800 Service.

3) When the WATS access line is interrupted for a period of more than 24 hours, a credit of $26.65 applies for Outward WATS and $22.15 for 800 Service for each 24-hour period or any fraction thereof.

4) The credits in 2) and 3) preceding include all credit to be applied for an interruption.

5) None of the above credit allowances will be made for:

a) Non-completion of WATS messages due to busy network conditions.

b) Interruption of service due to customer-provided equipment or systems.

c) Interruption of service due to the negligence or willful act of the customer.

d) Interruption of service during any period in which the Company is not afforded access to the premises at which the WATS access line is terminated.

e) Interruption of service during any period when the customer has released the WATS access line to the Company for maintenance purposes, or implementation of a customer order for a change in service arrangement.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

A. General (Cont'd)

18. Expanded 800 Service

a. For charges and regulations applicable to Expanded 800 Service, when used in combination with interstate and intrastate 800 Service, consult AT&TC Tariff F.C.C. No. 2.

19. Resale of Wide Area Telephone Service

a. Resale and sharing of IntraMSA Wide Area Telephone Service is permitted under Resale of Service conditions set forth in other catalogs of the Company.

B. Rates and Charges for MSA 4

1. Monthly Recurring Charges

	Monthly Rate
a. Access Line Charge	
1) Outward, each	$25.00
2) 800 Service, each	$25.00

2. Monthly Usage Charges

a. The hourly rates apply to the average use of each access line within a service group (See "Service Group" definition in this Catalog.

AVERAGE HOURS OF USE PER LINE

800 Service		Outward WATS	
.1 - 15	$13.67	.1 - 15	$10.50
15.1 - 40	$13.38	15.1 - 40	$10.05
40.1 - 80	$7.35	40.1 - 80	$8.53
80.1 - 140	$5.62	80.1 - 140	$5.60
Over 140	$3.77	Over 140	$2.21

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

B. Rates and Charges for MSA 4 (Cont'd)

3. Method of Determining Usage Charges

a. Determine the total actual hours used for the service group, rounded to the nearest tenth (one decimal place).

b. Determine the number of access lines in service during the month. Access lines in service for a fraction of a month are based on the number of days in service divided by 30 days. The result is rounded to the nearest hundredth (two decimal places).

c. Determine the average use per line in the service group by dividing the total hours in a. preceding by the number of access lines in b. preceding. The result is rounded to the nearest hundredth (two decimal places).

d. Determine the usage charge per line by multiplying the hourly rate in the appropriate taper(s) by the number of hours used in each taper and totaling these charges.

e. Determine the total usage charge in the service group by multiplying the usage charge per access line in d. preceding by the number of access lines in b. preceding.

4. Timing of Calls

a. Chargeable time begins when connection is established between a station associated with the WATS access line and the calling or called station and ends when the calling station "hangs up"; thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released by automatic timing equipment in the telephone network.

b. When 800 Service is directly connected (i.e., not connected through switching equipment) at a customer's premises to a communications system, chargeable time begins when the 800 Service terminates in or passes through the first switch or terminal equipment on that communications system. It is the customer's responsibility to furnish appropriate answer supervision to the point of connection with the 800 Service so that chargeable time may begin.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

B. Rates and Charges for MSA 4 (Cont'd)

5. Additional Access Line Terminations

	Monthly Rate
a. Channel Rates Where Applicable	As shown in this Catalog

6. Directory Listings - 800 Service

a. Listings in published alphabetical directories are provided for 800 Service at rates applicable for additional listings as set forth in other catalogs of the Company.

7. Service Charges

a. Service Charges as specified for WATS in this Catalog are applicable for installations, outside moves, changes and record changes of WATS access lines. Business Service Charges are applicable for inside moves and installation of WATS additional access line terminations not requiring channel service. Where channel service rates apply to WATS additional access line terminations, Service Charges as specified in this catalog for a Private Line Service facility apply. One Service Charge applies, per customer-requested order, for all work applicable to Outward WATS and 800 Service ordered at the same time to be performed on the same date at the same premises. Separate Service Charges apply to unrelated orders.

1) Installations, Outside Moves and Changes in Direction (Outward to 800 Service or Vice Versa) of WATS access lines.

a) The following Service Charges apply as appropriate:

WATS Service Ordering - Initial - per order
WATS Line Connection - Initial - per line
Premises Work - Complex Services - per request

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

B. Rates and Charges for MSA 4 (Cont'd)

7. Service Charges (Cont'd)

a. (Cont'd)

2) Changes

a) Subsequent to the initial installation of WATS, WATS Service Charges apply for the following changes made at the request of the customer.

(1) A change in the telephone number for 800 Service at the request of the customer.

(2) Combining two or more 800 Service hunting arrangements into a single hunting arrangement containing the same 800 Service access lines.

(3) Separating an existing 800 service group into two or more hunting arrangements which contain the same 800 Service access lines as the original hunting arrangement and a new hunting group is being established.

(4) The following WATS Change Charges apply to a change from loop to ground start, or vice versa:

Service Charge - per order
Line Connection Charge - per line

3) Inside Moves and Installations of WATS Extensions Not Requiring Channel Service

a) When a WATS access line or a WATS extension station is moved to a new location on the same premises or a WATS extension not requiring channel service is installed subsequent to installation of the WATS access line, the following Service Charges apply, as appropriate:

Business Subsequent Ordering Charge - per order
Premises Work - Complex Services - per request

b) When a WATS access line or WATS extension station is moved to a new location on different premises, WATS Installation Charges apply.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

B. Rates and Charges for MSA 4 (Cont'd)

7. Service Charges (Cont'd)

a. (Cont'd)

4) Record Change Only

a) For changing Company records at the request of the customer, as specified in this Catalog, apply the WATS Record Work Only Ordering Charge - per order.

8. Optional arrangement to automatically exclude all station locations on different premises when one station location originates WATS call. Busy tone is provided to excluded locations. (All station locations must be bridged at the same central office).

		Monthly Rate	Nonrecurring Charge
a.	Each extension location arranged	$4.85	$24.23

9. Alternate Central Office Service

a. When connections are made to customer or OCC-provided communications systems or terminal equipment, at a premises where the customer does not originate or terminate communications, the Company may require that WATS be furnished from a WATS Central Office different from the central office normally designated by the Company to serve that premises.

b. Under such circumstances, mileage charges apply between the WATS Central Office normally designated to serve that premises and the Alternate WATS Central Office from which service is actually provided. The mileage charges are determined as follows:

	Monthly Rate
1) Where the WATS Central Offices are in the same exchange	Apply appropriate charges as shown in this Catalog.
2) Where the WATS Central Offices are in in different exchanges	Apply appropriate charges as shown in this Catalog.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

B. Rates and Charges for MSA 4 (Cont'd)

10. Four-Wire Terminating Arrangement

a. Initial nonrecurring charges and monthly charges are applicable for the installation of, or change to, a four-wire terminating arrange ment as shown below and are in addition to the WATS nonrecurring establish charges and the access line monthly charge.

	Monthly Rate	Nonrecurring Charge
1) Four-Wire Terminating Arrangement, when installed coincidental with the WATS access line with which it is associated	$12.12	$48.46
2) When installed subsequent to the WATS access line with which it is associated	$12.12	$72.69

C. Rates and Charges for MSAs 1, 2, 3, 6, 7, 9, and 15.

1. Concurrence in Regulations and Charges of Illinois Bell Telephone Company

a. Frontier North Inc. concurs in the rates, rules and regulations governing intrastate Wide Area Telephone Service as filed by the Illinois Bell Telephone Company with the Illinois Commerce Commission.

b. Frontier North Inc. extends this concurrence to any and all changes, which may be made subsequent to this date by the Illinois Bell Telephone Company.

c. Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears that such cancelation is to the best interest of Frontier North Inc., but only after compliance has been made with such orders of the Illinois Commerce Commission as may be required in lieu of such cancelation.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

D. Rates and Charges for MSA 8

1. Concurrence in Regulations and Charges of Illinois Consolidated Telephone Company

a. Frontier North Inc. concurs in the rates, rules and regulations governing intrastate Wide Area Telephone Service as filed by the Illinois Consolidated Telephone Company with the Illinois Commerce Commission.

b. Frontier North Inc. extends this concurrence to any and all changes, which may be made subsequent to this date by the Illinois Consolidated Telephone Company.

c. Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears that such cancelation is to the best interest of Frontier North Inc., but only after compliance has been made with such orders of the Illinois Commerce Commission as may be required in lieu of such cancelation.

E. Rates and Charges for MSAs 11, 12 and 17

1. Concurrence in Regulations and Charges of General Telephone Company of Illinois

a. Frontier North Inc. concurs in the rates, rules and regulations governing intrastate Wide Area Telephone Service as filed by the General Telephone Company of Illinois with the Illinois Commerce Commission.

b. Frontier North Inc. extends this concurrence to any and all changes which may be made subsequent to this date by General Telephone Company of Illinois.

c. Frontier North Inc. hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears that such cancelation is to the best interest of Frontier North Inc., but only after compliance has been made with such orders of the Illinois Commerce Commission as may be required in lieu of such cancelation.

GRANDFATHERED SERVICES

SPECIALIZED SERVICES

WARM LINE SERVICE

A. General

1. Warm Line Service enables a user to call a specific destination without dialing any digits.

2. To activate this feature, the user removes the receiver from the switch hook. When the off-hook indication is received at the digital central office, the directory number or code of the destination is read from memory and the call is automatically routed to its destination.

3. If the line is also used for regular telephone service, a critical timeout is required after dial tone is returned to the line. If no digits are received within a specified time period, (approximately 10 seconds) the call is routed to the specified destination. Otherwise, it is routed in accordance with the dialed digits.

4. Calls can be routed to the following destinations:

   a. To an operator.
   b. To a telephone number within the same digital central office.
   c. To a telephone number in another central office.

5. Warm Line Service will be offered where facilities are available and operating conditions permit.

.2 Rates

1. Service charges apply, except the Company may waive certain applicable charges during special promotions being conducted from time-to-time to market the service.

	Monthly Rate
2. Each equipped line	$0.95

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

PHONE NUMBER REFERRAL SERVICE

A. General

1. Phone number referral service provides a service to subscribers who have had their phone service discontinued because they have either moved to a new location, requested a change in phone number, or may be away for 30 days or more. Dialing the subscriber's former number results in a prerecorded message, which announces the new number.

2. The rate applies for 30 days of service and will continue in 30 day increments at customer's discretion. If service is to be reestablished a subsequent Service Order charge would apply.

3. Limited to those exchanges in which facilities are available to provide the service.

4. If telephone number is listed in directory, it will remain during 30-day increments of phone service discontinuations.

5. If telephone calling card has been issued to telephone number, it will remain in force during 30-day increments or phone service discontinuations.

B. Rates

1. Service charges apply, except the Company may waive certain applicable service charges during special promotions being conducted from time-to-time to market the service.

	Monthly Rate
Per 30 days of service, per phone number	$4.50

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

AUTOMATIC WAKE-UP SERVICE

A. General

1. Automatic Wake-Up features allow the customer to program the Digital Central Office (DCO) to initiate a wake-up call on their access line.

2. The features in the customer controllable program enables the customer to perform the following functions:

   a. Determine the time(s) the access line is to be activated.
   b. Determine the number of rings (2 to 20) to be made before the call is canceled.
   c. Change their wake-up time.
   d. Cancel the feature.

3. Automatic Wake-Up Service is available only through central offices, which, at the Company's option, are appropriately equipped.

4. There is no charge to cancel the feature.

B. Rates

1. Service Charges apply, except the Company may waive certain applicable service charges during special promotions being conducted from time-to-time to market the service.

	Monthly Rate
2. Each Equipped Access Line	$0.95

C. Conditions

1. This service is compatible with all Custom Calling features. The following exceptions apply:

   a. Wake-up calls will not be forwarded even though Call Forwarding might be active on the line.

   b. A wake-up call will not Call Wait on another call (i.e., if the line is busy, the wake-up call will be rescheduled for seven minutes later).

   c. 3 Way Calling cannot be activated from a wake-up call (i.e., the customer cannot hook flash from the wake-up call and make another call).

   d. Speed Calling has no effect on Automatic Wake-Up Service.

2. All terminating peg counts and usage measurements apply to Automatic Wake-Up Service that normally apply to a typical call.

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE

A. General

This service provides a variety of telephone service capabilities, among, which is direct inward and outward dialing from individual stations to and from the exchange and toll network.

B. Rates

		Monthly Rate	Nonrecurring Charge
1.	Centrex III		
a.	Centrex Exchange Access - Urban	$15.00	[1]
b.	Centrex Exchange Access - Rural	$19.85	
c.	Intercommunication		
1)	2 - 500 lines, each	$2.00	
2	501 - 1,000 lines, each	$1.75	
3)	1,001 - 2,000 lines, each	$1.50	
4)	2,001 -5000 lines, each	$1.25	
5)	Over 5,000 lines, each	$1.00	[1]
2.	Optional Services		
a.	Secretarial Hunt, per line (See Condition g.)	$0.70	$0.70 [1]
b.	Dial Dictation Arrangement (See Condition h.)	$10.55	$4.85
c.	Call Pick Up, per station (See Condition i.), per Group	$1.40	$38.75
d.	6 Port Conference Circuit (See Condition j.)	$84.30	$193.80 [1]
e.	Digital Centrex III Services and Features		
1)	Enhanced Business Service	$0.60	[1]
2)	Station Message Detail Recording (SMDR)	$0.60	
3)	Enhanced Station Message Detail Recording (SMDR)	$0.80	[1]

[1] Services charges apply. See other Sections of this Catalog.

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

B. Rates (Cont'd)

2. Optional Services (Cont'd)

	Monthly Rate	Nonrecurring Charge
e. Digital Centrex III Services and Features		
1) Enhanced Business Service	$0.60	[1]
2) Station Message Detail Recording (SMDR)	$0.60	
3) Enhanced Station Message Detail Recording (SMDR)	$0.80	[1]
4) Automatic Route Selection (ARS)	$0.40	[1]
5) Electronic Feature Set	$0.15	
6) Datapath - Basic	$0.15	
7) Datapath – Enhanced (Modem Polling)	$0.15	
8) Preset Conferencing	$0.10	
9) Console Alerting	$0.05	
10) Electronic Switched Network Basic	$0.65	
11) Cut-Thru Dialing	$0.10	
12) Network Speed Calling	$0.10	
13) Time-of-Day Routing	$0.10	
14) Time-of-Day Network Class of Service (NCOS)	$0.10	
15) Display Features	$0.05	[1]
16) Hospital Communications	$0.10	[1]
17) Large Conference	$0.15	[1]
18) Virtual Facility Group (VFG)	$0.15	[1]
19) Attendant Console Measurements	$0.05	[1]
20) Centralized Answering Service (VFG)	$0.70	[1]

3. Application of Rates

a. A monthly rate applies for a minimum of 20 main stations or lines.
b. Restricted stations at all locations are charged at the Centrex main station or line rate.
c. The minimum charge for services and equipment provided under this catalog shall be one month.

[1] Services charges apply. See other Sections of this Catalog.

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

C. Conditions

1. This service is furnished subject to the availability of facilities where switching equipment is located on Company premises and is offered only in central offices equipped to provide such service to existing customers.

2. The Company will furnish one alphabetical and one classified directory listing without charge per Centrex system. Additional listings will be offered subject to the provisions outlined in other sections of this catalog or may be provided free if in the judgment of the Company such listings will improve service to the public, reduce Company operating costs, or both.

3. The Company will furnish those quantities of equipment required to provide a proper standard of service.

4. Special charges apply for facilities to meet service requirements that are considered by the Company to be beyond the scope of this service offering.

5. Explanation of Terms

   a. Central Office District - The central office area in which the Customer's primary location is situated.

   b. Centrex C. O. - Installation where switching equipment is located where space provided by the Company.

   c. Continuous Property - Customers' property divided by a thoroughfare or railroad right-of-way will be considered as continuous for purpose of designating Centrex main stations as being within the primary Centrex location.

   d. Primary Centrex Location - The continuous property designated by the customer as the primary location and at which the attendant's position is located.

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

C. Conditions

5. Explanation of Terms (Cont'd)

e. Secondary Centrex Location - Each different premises of the same customer, not within the primary location, served by one or more stations of the same Centrex system. Stations in secondary locations may be served by primary or satellite switching equipment and may be provided at secondary locations where it is more economical than extending lines from the primary switching equipment. Attendant positions are not furnished at secondary locations.

f. Stations (Customer Provided)

Centrex Main Station - A main station or line of a Centrex system arranged to originate or receive local and long distance calls either directly or through the attendant.

g. Secretarial Hunt - Provides for several Multiline hunting groups to terminate on a common line or common group of lines.

h. Dial Dictation - not including recording equipment.

i. Call Pick Up - Enables a station user to answer any calls dialed to another station within his present pick up group by dialing a special code. Each Centrex customer may have more than one group within his System.

j. 6 Port Conference Circuit - This feature allows a station user to establish a conference connection of up to six conferees including himself, without the aid of an attendant.

6. Service Features

a. Centrex Service provides the required switching equipment and central office lines. Auxiliary services which can be used with Centrex Service will be furnished under the regulations and rates as covered in various sections of this catalog. Available where facilities allow.

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

C. Conditions (Cont'd)

6. Service Features (Cont'd)

b. Centrex Service is available with basic feature arrangements as follows: Direct inward dialing; direct outward dialing; station-to- station dialing; transfer of calls. The additional and specific features associated are outlined in paragraph 6. c. following.

c. Features available to those specified in 6. b. above are: Individual station restriction on outward calls; terminal station hunting on any main stations; selected station night answering and transfer; Individual call transfer, including consultation hold and add-on, (incoming and outgoing calls); and operator recall; forwarding of calls to busy line automatically to attendant, (incoming and outgoing), attendant incoming call and call waiting indications, automatic lockout of attendant, dial through attendant, attendant busy verification console traffic control arrangements; station identification and billing of message toll; and intercept.

7. Integration of Services

a. Other services ordered by the customer and not specifically covered in this section may be provided in accordance with and at rates shown in other sections of this catalog.

b. Centrex is offered only as a complete service. The Exchange Access or Intercommunication portions of the Centrex terminal charges are not offered separately. Digital Centrex III Service is designed to serve business configurations with a minimum requirement of two (2) access lines. Manufacturers' equipment limitations may restrict certain features due to the geographic location of data modules.

c. The following services are provided in the event the Central Office Exchange is so equipped:

1) Extended Area Service (EAS)
2) Destination Service
3) Measured Service (Rates will be established as each Central Office is equipped.)
4) Touch Calling Service (at rates shown elsewhere in this Catalog).

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

D. Digital Centrex III Features

1. This service is available with the following:

a. ATTENDANT FEATURES

ACCESS TO PAGING
CALL PARK RECALL TIMER
CALL SELECTION
CAMP-ON
CONFERENCE (Maximum Six Conferees)
CONSOLE DISPLAY
CONTROL OF TRUNK GROUP ACCESS
LOCKED LOOP OPERATION
RELEASE UPON COMPLETION OF DIALING
SPEED CALLING
RECORDED ANNOUNCEMENT
TRANSFER
AUTOMATIC RECALL
BUSY VERIFICATION
Stations
Trunks
CALL HOLD
CALL PARK
CODE CALLING LINE TERMINATION
CONSOLE TEST
DELAYED OPERATION
INTERPOSITION CALLS AND TRANSFERS
LOCKOUT
MAINTENANCE & ADMINISTRATION POSITION (MAP) Display for Attendant
Operational Measurements
MULTIPLE CONSOLE OPERATION
MULTIPLE LISTED DIRECTORY NUMBERS
POSITION BUSY
SECRECY

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

D. Digital Centrex III Features

1. This service is available with the following:

a. ATTENDANT FEATURES (Cont'd)

SERIAL CALL
STRAIGHTFORWARD OUTWARD COMPLETION
SUPERVISORY CONSOLE (Basic)
SWITCHED LOOP OPERATION
TRUNK GROUP BUSY/Trunk Group Access Control Through Special Keys
THROUGH DIALING
TIMED RECALL SET TO ZERO
TROUBLE KEY ON IBN CONSOLE
TRUNK GROUP BUSY INDICATION
2-WAY SPLITTING
UNIFORM CALL DISTRIBUTION From Queue
WILD CARD KEY

b. SERVICES

ACCESS
- Common Control Switching Arrangement (CCSA) E&M Types I & II
- CO From PBX
- Enhanced Private Switched Communication Service (EPSCS)
- Electronic Tandem Network (ETN)
- Special Service Facilities

ATTENDANT SERVICE
- Local Consoles
- Remote Consoles

ATTENDANT SERVICE (Centralized, Limited to Host and Remote Line Equipment)
CLASS-OF-SERVICE RESTRICTIONS
- Fully Restricted Service
- Semirestricted Service
- Toll Restricted Service
- Unrestricted Service

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

D. Digital Centrex III Features (Cont'd)

1. This service is available with the following: (Cont'd)

b. SERVICES

CODE CALL ACCESS
CODE RESTRICTIONS
DATA CALL PROTECTIONS
DATA PULSE CONVERSION
DIAL TONE UPON TRUNK SEIZURE
DICTATION ACCESS & CONTROL (DTMF only)
DIRECT INWARD DIALING (DID)
DIRECT OUTWARD DIALING (DOD)
END-TO-END SIGNALING
FLEXIBLE INTERCEPT
FOREIGN EXCHANGE (FX) Line - Analog
FOREIGN EXCHANGE (FX) Trunk, Digital 2-Way
HUNTING
OUTPULSING TO LOCAL EXCHANGE SERVICE TRUNKS
QUANTITY CONTROL (100 LINES)
INCREASE IN NUMBER OF CUSTOMER GROUPS
INDIVIDUAL LINE BUSINESS SERVICE - PBX APPLICATION
LOUDSPEAKER TO RADIO PAGING ACCESS
LOUDSPEAKER PAGING - LINE TERMINATION
MULTICUSTOMER OPERATION
NIGHT SERVICE
Fixed
Flexible
Trunk Answer from Any Station (TAFAS)
OFF-PREMISES STATIONS AND EXTENSIONS
OPERATIONAL MEASUREMENTS
SERVICE ORDER SYSTEM
SIMPLIFIED DIALING

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

D. Digital Centrex III Features (Cont'd)

1. This service is available with the following: (Cont'd)

b. SERVICES (Cont'd)

SIX-PORT CONFERENCE CIRCUIT USE CONTROL
STATION-TO-STATION CALLING
TANDEM SWITCHING OF SPECIAL SERVICE CIRCUITS (Senderized Operation)
UNIFORM NUMBERING PLAN CAPABILITY

c. STATION FEATURES

AUTOMATIC LINE
CALL FORWARD
- All Calls
- Busy
- No Answer

CALL HOLD
CALL PICKUP
CALL TRANSFER ENHANCEMENT
CALL WAITING
CONSULTATION HOLD
MEET-ME CONFERENCE
RING AGAIN
SPEED CALL (ONE 8 AND ONE LONG 30 PER STATION MAXIMUM)
- Individual - 8
- Individual - 30
- Group - 30

STATION ACCESS TO PAGING
STATION CALL PARK
STATION CODE CALL ACCESS
STATION CONTROLLED CONFERENCE (SIX PORTS MAXIMUM)
3-WAY CONFERENCE/TRANSFER
- 3-Way Conference
- Call Transfer of Incoming Calls
- Call Transfer of Outgoing Calls
- Call Transfer of All Calls

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

CENTREX III SERVICE (Cont'd)

D. Digital Centrex III Features (Cont'd)

2. Other Services and Features - OPTIONAL

ENHANCED BUSINESS SERVICE
Features
Dual Tone Multifrequency (DTMF) Outpulsing On A Line
Flexible Console Alerting
Services
Audio Input on Incoming Calls in Queue (Attendant and Uniform Call Distribution)
Distinctive Ring
Executive Busy Override (EBO)
Intergroup Calling
Overlap Outpulsing
Uniform Call Distribution (UCD)
STATION MESSAGE DETAIL RECORDING (SMDR) - ADMINISTRATION
STATION MESSAGE DETAIL RECORDING (SMDR) ENHANCED - ESN
AUTOMATIC ROUTE SELECTION
HOSPITAL COMMUNICATIONS
LARGE CONFERENCE
VIRTUAL FACILITY GROUPS
CONSOLE ALERTING
ELECTRONIC SWITCHED NETWORK - ESN
CUT-THRU DIALING
NETWORK SPEED CALLING
TIME-OF-DAY ROUTING
TIME-OF-DAY NETWORK CLASS OF SERVICE (NCOS)

A more detailed list of descriptions and limitations of the optional services and features listed above is maintained in the Company's telephone service office. Rates for the above Optional Services and Features are listed under B. Rates.

General Exchange Catalog

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

DIRECT INWARD DIALING SERVICE (DID)

A. General

1. Direct Inward Dialing (DID) Service permits incoming dialed calls from the exchange network to reach a specific number within a customer system without the assistance of an attendant. This service is offered only where facilities and equipment are available. The central office will outpulse digits to the customer system, which can further route the calls as desired.

2. DID Service will be provided at the rates and charges specified under B. Rates. These rates and charges are in addition to those for PBX trunks as specified in this Catalog, Local Exchange Service.

B. Rates

		Monthly Rate	Nonrecurring Charge
1.	DID Trunk	$37.05	$332.15 [1]
2.	Each assigned DID Station Number, 100 minimum in increments of 100	$0.50	[1, 2]
3.	Each subsequent addition, deletion, r rearrangement	$75.00	

C. Conditions

1. Outgoing calls may not be placed over PBX exchange trunks arranged for DID Service.

2. Extended Area Service (EAS) additives do not apply to DID trunks.

3. DID Service is designed for voice communication and not for the transmission of data. When used for data transmission, adequate transmission quality cannot be assured.

[1] Service Charges also apply.
[2] NRC included in rate for DID trunk.

GRANDFATHERED SERVICES

SPECIALIZED SERVICES (Cont'd)

DIRECT INWARD DIALING SERVICE (DID) (Cont'd)

C. Conditions (Cont'd)

4. If a customer's normal serving central office is not equipped to provide DID Service, the service may be provided, where facilities permit, from a Company selected remote central office at the interexchange mileage charges. After the customer's normal serving central office becomes equipped to provide DID Service, the DID Service will then be transferred to the customer's normal serving central office. At that time the customer will be subject to a change in telephone numbers and will also incur initial nonrecurring charges and service charges as appropriate.

5. The minimum contract period for DID Service is two years. In the event of discontinuance of DID Service, a termination charge equal to 80 percent of the monthly rate for the remainder of the minimum contract period is due.

6. The customer shall be responsible for providing interception of calls to assigned by unused DID numbers by means of attendant intercept or recorded announcement service.

7. Additional DID numbers can be reserved for future use by ordering numbers at rates specified in B. Rates, above. The Company does not guarantee to provide reserved numbers in a consecutive manner. The Company will be responsible for interception and administration of these numbers.

8. All DID calls must be routed over the same PBX trunk group. Trunks arranged for DID Service may not be mixed with trunks not so arranged within the same trunk group.

9. The Company shall not be responsible to the customer if necessary, changes in protection criteria or in any of the facilities operations or procedures of the Company render any facilities provided by a customer obsolete or make modification of customer's equipment necessary.

10. Directory listings for DID numbers may be provided in accordance with the rates and regulations specified in another Section of the Catalog, Grandfathered Services.

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE

1. Destination Service

.1 MSAs 4, 5, 10, 11, 12, 14, and 17

.1.1 Destination Service is an optional intrastate intraMSA Message Toll Telephone Service offered to exchange service customers of Frontier North Inc. in exchanges located within MSAs where Frontier North Inc. has been designated the primary toll carrier.

.1.2 The service provides an alternate rate treatment for calls to an exchange selected by a customer of Frontier North Inc., from the exchange selection list set forth following. The selected exchanges must be within the same Market Service Area as the customer's exchange. The service is restricted to customer dialed station-to-station calls charged to calling stations.

.1.3 The service is bulk billed.

.1.4 The service applies a 15% discount to dial station-to-station calls as rated in this Section for each exchange selected by a customer. For each exchange selected by a customer, a minimum monthly charge applies as shown in .1.9 following. The discount does not apply to any operator assisted call.

.1.5 The customer may select any combination of exchanges from the exchange selection list set forth following, for the appropriate MSA location of his home exchange. All regulations set forth in .1.4 preceding apply to each exchange selected.

.1.6 The minimum contract period for each PAPS plan arrangement is one month.

.1.7 The service is not offered in connection with Coin Telephone Service, Hotel Service or the Dormitory portion of Combination Administrative and Dormitory Service.

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.1 MSAs 4, 5, 10, 11, 12, 14, and 17 (Cont'd)

.1.8 All rates set forth in .1.9 following are subject to adjustment within a range. The minimum of the range is 20% below and the maximum is 15% above the rates indicated. The range is subject to rounding down to the next lower cent for rate decreases and rounding up to the next higher cent for rate increases. Adjustments within the range will be made only in response to access charge changes as granted by the Illinois Commerce Commission for Frontier North Inc., or other exchange carriers in Frontier North Inc., seven Market Service Areas (4, 5, 10, 11, 12, 14, and 17).

Not less than one day prior to the effective date of any rate decrease and not less than 30 days prior to any rate increase, the Company will inform customers of the change. Rate lists containing the currently effective rates as well as any changes that are to become effective, will be available for inspection at the public offices of this Company and at the offices of the Illinois Commerce Commission.

.1.9 RATES AND CHARGES

a. Service Charges as shown in this catalog are not applicable for establishment of, or changes in Destination Service.

b. Minimum Monthly Charge, per exchange selected

	Per Month
b.1 Residence	$1.94
b.2 Business	$3.88

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.1 MSAs 4, 5, 10, 11, 12, 14, and 17 (Cont'd)

.1.10 Exchange Selection

EXCHANGE LOCATION	EXCHANGES AVAILABLE FOR SELECTION
MSA 4	Amboy, Ashton, Chadwick, Coleta, Creston, DeKalb, Dixon, Fulton, Franklin Grove, Genoa, Grand Detour, Harmon, Hinckley, Hooppole, Kirkland, Lanark, Leaf River, Lyndon, Malta, Maple Park, Milledgeville, Monroe Center, Morrison, Mt. Carroll, Mt. Morris, Nelson, Oregon, Polo, Prophetstown, Rochelle, Savanna, Shabbona, Shannon, Sterling, Steward, Sublette, Sycamore, Tampico, Thomas, Thompson, Waterman
MSA 5	Arrowsmith, Atlanta, Beason, Bellflower, Bloomington, Cabery, Campus, Carlock, Chatsworth, Chenoa, Clinton, Colfax, Cooksville, Cornell, Cropsey, Cullom, Danvers, Downs, El Paso, Elkhart, Ellsworth, Emden, Emington, Fairbury, Farmer City, Flanagan, Forrest, Grand Ridge, Graymont, Gridley, Hartsburg, Heyworth, Hudson, Kempton, Kenney, Le Roy, Leonore, Lexington, Lincoln, Long Point, Lostant, Magnolia, McLean, Middletown-New Holland, Minier, Odell, Piper City, Pontiac, Ransom, Reddick, Rutland, Saunemin, Saybrook, Stanford, Strawn, Streator, Toluca, Towanda, Waynesville, Weldon, Wenona

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.1 MSAs 4, 5, 10, 11, 12, 14, and 17 (Cont'd)

.1.10 Exchange Selection

EXCHANGE LOCATION	EXCHANGES AVAILABLE FOR SELECTION
MSA 10	Alexander, Arenzville, Augusta, Barry, Baylis, Beardstown, Bluffs, Burton, Camp Point, Carrollton, Chambersburg, Chapin, Clayton, Coatsburg, Columbus, Concord, Eldred, Fishhook, Fowler, Franklin, Golden, Greenfield, Griggsville, Hersman, Hillview, Hull, Jacksonville, Liberty, Lima, Literberry, Loraine, Manchester, Mendon, Meredosia, Meyer, Milton, Mindale, Mount Sterling, Murrayville, New Canton, Patterson, Payson, Pearl, Perry, Pittsfield, Pleasant Hill, Quincy, Rockport, Roodhouse, Rushville, Ursa, Versailles, White Hall, Winchester, Woodson
MSA 11	Albion, Allendale, Annapolis, Belle Prairie, Belle Rive, Bellmont, Bible Grove, Birds, Blairsville, Bridgeport, Broughton, Browns, Burnt Prairie, Calhoun, Carmi, Chauncey, Cisne, Claremont, Clay City, Crisp, Crossville, Dale, Dahlgren, Dundas, Enfield, Fairfield, Flat Rock, Flora, Geff, Grayville, Hardinville, Hutsonville, Lawrenceville, Louisville, Macedonia, Maunie, McLeansboro, Mount Carmel, Mount Erie, New Haven, Newton, Noble, Norris City, Oblong, Olney, Omaha, Orchardville, Palestine, Parkersburg, Robinson, Rose Hill, Sailor Springs, St. Francisville, Sumner, Wayne City, Wendelin, Westport, West Salem, Willow Hill, Xenia

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.1 MSAs 4, 5, 10, 11, 12, 14, and 17 (Cont'd)

.1.10 Exchange Selection

EXCHANGE LOCATION	EXCHANGES AVAILABLE FOR SELECTION
MSA 12	Anna, Ava, Baldwin, Benton, Blair, Brookport, Cairo, Carbondale, Carrier Mills, Carterville, Cave-In-Rock, Chester, Christopher, Cobden, Coulterville, Creal Springs, Cypress, De Soto, Dongola, Du Quoin, Eddyville, Eldorado, Elizabethtown, Elkville, Ellis Grove, Equality, Evansville, Ewing, Glenn, Golconda, Goreville, Grand Tower, Harrisburg, Herrin, Hicks, Hurst, Johnston City, Joppa, Karnak, Leamington, Marion, Marissa, Metropolis, Mound City, Mounds, Murphysboro, Olive Branch, Paulton, Percy, Pinckneyville, Raleigh-Galatia, Renshaw, Ridgway, Rosiclare, Royalton, Sesser, Shawneetown, Simpson, Sparta, Steeleville, Stonefort, Tamms, Thebes, Thompsonville, Tilden, Ullin, Vienna, Villa Ridge, West Frankfort, Zeigler
MSA 14	Brocton, Chrisman, Clarksville, Grandview, Marshall, Metcalf, Paris, Redmon, Vermilion, West Union
MSA 17	Abingdon, Adair, Altona, Astoria, Avon, Bardolph, Basco, Biggsville, Bishop Hill, Blandinsville, Bowen, Bushnell, Cameron, Carthage, Colchester, Colusa, Dallas City, Elvaston, Ferris, Fountain Green, Galesburg, Gilson, Good Hope, Gulfport, Hamilton, Industry, Kirkwood, Knoxville, La Fayette, La Harpe, Littleton, Lomax, London Mills, Macomb, Maquon, Monmouth, Nauvoo, Niota, Oneida, Plymouth, Prairie City, Raritan, Roseville, Smithshire, Stronghurst, Sutter, Swan Creek, Vermont, Victoria, Warsaw, Wataga, Williamsfield

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.3 MSA 8

.3.1 Destination Service is an optional intra-MSA, intrastate long distance telecommunications service offered to customers of the Company. The service provides an alternate rate treatment of calls to an exchange selected by a customer of the Company from those listed on sheet 57 of this section of the catalog. The exchanges that may be selected must be within the same MSA as the customer's exchange and may not be more than 28 airline miles distance from each customer's exchange. The service is restricted to customer dialed station-to-station calls charged to calling stations.

.3.2 The service is bulk billed.

.3.3 The service applies a 30% discount to dial station-to station calls for 1 to 28 miles as rated in this section for each exchange selected by a customer. For each exchange selected by a customer a minimum monthly charge applies as shown following. The discount rate does not apply to any operator-assisted calls.

.3.4 The customer may select any number of exchanges as shown following, but the regulations in .3.1 preceding apply to each exchange selected. The minimum contract period for each PAPS plan arrangement is one month. The service is not offered in connection with Coin Telephone Service, Hotel Service or the Dormitory portion of Combination Administrative and Dormitory Service.

.3.5 Rates

a. Minimum Monthly Charge, per exchange selected:

Residence	$1.94
Business	$3.88

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.3 MSA 8

.1 Exchange Selection

EXCHANGE LOCATION	EXCHANGES AVAILABLE FOR SELECTION
Benld	Carlinville, Coffeen, Donnellson, Farmersville, Hillsboro, Irving, Litchfield, Mount Olive, New Douglas, Raymond, Sorento, Witt
Carlinville	Benld, Farmersville, Gillespie, Hillsboro, Irving, Litchfield, Morrisonville, Mount Olive, New Douglas, Raymond, Sorento
Coffeen	Benld, Farmersville, Gillespie, Irving, Litchfield, Morrisonville, Mount Olive, New Douglas, Nokomis, Oconee, Pana, Raymond, Sorento, Witt
Donnellson	Benld, Fillmore, Farmersville, Gillespie, Irving, Litchfield, Morrisonville, Mount Olive, New Douglas, Nokomis, Oconee, Raymond, Witt
Fillmore	Cowden, Donnellson, Farmersville, Hillsboro, Irving, Litchfield, Morrisonville, Mount Olive, New Douglas, Nokomis, Oconee, Owaneco, Pana, Raymond, Sorento, Tower Hill, Witt
Gillespie	Carlinville, Coffeen, Donnellson, Farmersville, Hillsboro, Irving, Litchfield, Morrisonville, Mount Olive, New Douglas, Raymond, Sorento, Witt,

General Exchange Catalog

GRANDFATHERED SERVICES

MESSAGE TOLL TELEPHONE SERVICE (Cont'd)

1. Destination Service (Cont'd)

.3 MSA 8

.1 Exchange Selection (Cont'd)

EXCHANGE LOCATION	EXCHANGES AVAILABLE FOR SELECTION
Mount Olive	Benld, Carlinville, Coffeen, Donnellson, Farmersville, Fillmore, Gillespie, Hillsboro, Irving, Litchfield, Morrisonville, New Douglas, Raymond, Sorento, Witt
New Douglas	Benld, Carlinville, Coffeen, Donnellson, Farmersville, Fillmore, Gillespie, Hillsboro, Irving, Litchfield, Mount Olive, Raymond, Witt
Shumway	Cowden, Deiterich, Elliotstown, Findlay, Gays, Gila, Greenup, Mattoon, Montrose, Neoga, Oconee, Pana, Shelbyville, Sigel, Stewardson, Strasburg, Teutopolis, Toledo, Tower Hill, Watson, Westervelt, Windsor
Sorento	Benld, Carlinville, Coffeen, Farmersville, Fillmore, Gillespie, Hillsboro, Irving, Litchfield, Mount Olive, Nokomis, Raymond, Witt
Teutopolis	Cowden, Dieterich, Gays, Gila, Greenup, Mattoon, Montrose, Neoga, Shelbyville, Shumway, Stewardson, Strasburg, Toledo, Watson, Windsor
Watson	Cowden, Deiterich, Elliotstown, Gila, Greenup, Montrose, Neoga, Shumway, Sigel, Stewardson, Strasburg, Teutopolis, Toledo

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE

1. BUSINESS 800 SERVICE

.1 General

.1.1 Business 800 Service is the furnishing of dial type telecommunications from stations within a Market Service Area (MSA) to a station associated with an 800 termination point within the same MSA within the State of Illinois. This service is offered to Frontier North Inc. subscribers.

.1.2 Dial type telecommunications is a call dialed and completed from or to an 800-access line without the assistance of a Company operator or placed with an operator where facilities are not available for dial completion, or where, for other service reasons, operator assistance in completion of the call is necessary.

.1.3 An 800 termination is a path between the network interface at the customer's premises and the point in a Company Central Office where access to the switched network is obtained for the purpose of completing 800 calls. Business 800 Service access will be arranged for common line termination. Business 800 Service provides termination of calls over nondedicated business and residence lines. One 800 number may be assigned to each existing or newly provided exchange telephone number which allows for the completion of 800 calls in addition to all other usage normally handled on this termination.

a. Variable call destination allows the Line 800 customer to have 800 calls to their single 800 number terminate at different locations within the same MSA based on criteria they select. This feature allows the customer to have calls routed to a specific location based on a variety of conditions i.e., time of day, day of week, etc.

.1.4 Business 800 Service is not available in conjunction with COPT Coin Line Service, Customer Owned Coin Telephone Service or Foreign Exchange Service.

.1.5 Business 800 Service provides for the termination of 800 calls only.

.1.6 Customers may retain the same Business 800 Service telephone number when moving to another location within the State of Illinois. Business 800 Service allows the customer to use one 800 number in multiple MSAs for IntraMSA calling. All calls originating within the designated Market Service Area will be terminated within the same MSA.

General Exchange Catalog

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE

1. BUSINESS 800 SERVICE (Cont'd)

.1 General (Cont'd)

.1.7 Business 800 Service is the furnishing of facilities in accordance with the regulations and schedule of charges specified in this Catalog. Business 800 Service rates set forth herein are in payment for the service furnished between the calling and called stations.

.1.8 Business 800 Service is furnished subject to the availability of the appropriate equipment and facilities.

.1.9 If Business 800 Service is concurred in by other Local Exchange Carriers, any and all costs and charges to provide such service will be borne by the concurring carrier on an individual case basis.

.1.10 The term "Service Terminating Arrangement" denotes company-provided equipment which terminates Business 800 Service at a customer's premises. The service terminating arrangement provides a clearly delineated interface, which facilitates the design; isolation and testing of Business 800 Service. Where a protective connecting arrangement is required, the Service Terminating Arrangement is provided as a part of the protective connecting arrangement.

.1.11 All rates and charges quoted in this Catalog provide for the furnishing of service when suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs. When the revenue to be derived from the service does not warrant the Company assuming the unusual costs of providing the necessary construction, the customer may be required to pay all or a portion of such costs and to contract for the service for a sufficient period to warrant the construction, depending upon the circumstances in each case.

.1.12 Directory Listings for Business 800 Service will be provided at applicable additional listing rates as shown elsewhere in this Catalog.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. BUSINESS 800 SERVICE (Cont'd)

.2 Limitations of Service

.2.1 Dial type telecommunications associated with a Business 800 Service access line are calls dialed and completed without the assistance of a Company operator, except that a Company operator will:

- Re-establish a call which has been interrupted after the called number has been reached, or
- Reach the called telephone number where facilities are not available for customer dial completion.

.2.2 The Company does not undertake to transmit messages but offers the use of its facilities for communications between customers. Business 800 Service does not include calling to or from stations not within the same MSA, person-to-person, collect, conference or other calls requiring operator handling except as provided in the preceding.

.2.3 Connection to Other Services

a. Business 800 Service is not represented as adapted for connection to other services of the Company, facilities of Other Common Carriers (OCCs), or to customer-provided facilities. Connections of communications systems provided by the customer may be made; however, the Company will not be responsible for the through transmission of signals or for the quality of transmission on such connections. The service contemplates the provision of satisfactory transmission only between the access line and the called or calling station.

b. Regulations, rates and charges for the facilities used to connect customer-provided terminal equipment or customer-provided communications systems are set forth elsewhere in this Catalog.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE Continued)

1. BUSINESS 800 SERVICE

.2 Limitations of Service (Cont'd)

.2.4 Obligation of the Customer

a. The agents and employees of the Company shall have the right to enter the premises of a customer at any reasonable hour for the purpose of installing, inspecting or repairing the services of the Company or upon termination of the service, for the purpose of removing such services.

b. The Company undertakes to maintain and repair the facilities, which it furnishes to customers. The customer shall be responsible for damages to facilities of the Company caused by negligence or willful act of the customer or authorized users. The customer or authorized user may not rearrange, disconnect, remove or attempt to repair, or permit others to rearrange, disconnect, remove or attempt to repair any equipment installed by the Company except upon written consent of the Company.

c. The customer is responsible for providing a suitable supply of commercial power, including outlets, when and where required by the Company for the operation of any equipment on the customer's premises.

d. The customer is required to reimburse the Company for any loss through theft of the equipment or apparatus on the customer's premises.

.2.5 Business 800 Service is furnished upon the condition that the customer obtain adequate service to permit its use without creating excessive overflows and incompletions or otherwise interfering with this or any other service rendered by the Company. The Company, without incurring any liability, may terminate or refuse to furnish Business 800 Service to any customer failing to comply with said conditions, subject only to provisions as indicated elsewhere in this Catalog for Termination of Service.

General Exchange Catalog

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE Continued)

1. BUSINESS 800 SERVICE

.2 Limitations of Service (Cont'd)

.2.6 Use of the Service

a. Business 800 Service is provided for use by the customer and may be used by others, when so authorized by the customer, providing that all such usage shall be subject to the provisions of this Catalog.

b. Orders, including those installing, rearranging, or discontinuing service, will be accepted by the Company only from the customer.

c. The customer subscribing to Business 800 Service is responsible for its use and for the payment of all charges in connection therewith and shall exercise such control as may be necessary to ensure that it is not improperly used.

.2.7 Cancellation for Cause

The regulations set forth elsewhere in this Catalog for Termination of Service apply when appropriate.

.3 Liability of the Telephone Company

.3.1 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Business 800 Service. In the event that a customer's basic service is interrupted and remains out of service for more than twelve (12) hours after being reported to or found to be out of service by the Company, appropriate adjustments shall be made to the customer's account upon request with a minimum of credit for twenty-four (24) hours. The adjustment shall be the pro rata part of the month's charge for local exchange service for the period of days service was inoperative and shall be accomplished by a credit on a subsequent bill for service. This provision shall not apply when the service interruption is caused by:

a. The negligence or willful act of the customer,
b. Customer provided facilities, or
c. Electric power failure where the customer furnishes such electric power.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. BUSINESS 800 SERVICE (Cont'd)

.3 Liability of the Telephone Company (Cont'd)

.3.2 The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Business 800 Service and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

.4 Application of Monthly Rates and Charges

.4.1 Timing of Calls

a. Chargeable time begins when a connection is established between a station associated with the Business 800 Service line and the calling station.

b. Chargeable time ends when the calling station "hangs up" thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released by automatic timing equipment in the telecommunications network.

c. When Business 800 Service is directly connected at customer's premises to a communications system, chargeable time begins when the call terminates in or passes through the first multiline terminating system or terminal equipment on that communications system. It is the customer's responsibility to furnish appropriate answer supervision to the point of connection with the Business 800 Service so that the chargeable time may begin.

d. All messages completed in one billing period through Business Line 800 Service will be bulk billed a minimum of 30 seconds per message.

.4.2 The minimum service period for Business Line 800 Service is one month.

General Exchange Catalog

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE (Cont'd)

1. BUSINESS 800 SERVICE (Cont'd)

.4 Application of Monthly Rates and Charges (Cont'd)

.4.3 Usage is subject to a Minimum Average Time Requirement (MATR) of 30 seconds per completed call in each rate period for each billing period. This means that if the average duration per call in any rate period during each billing cycle is less than 30 seconds, billing will be based on an average duration of 30 seconds per call.

.4.4 The monthly charges for Business 800 Service are determined as follows:

a. Determine the total number of calls for each Business 800 Service number.

b. Determine the equivalent hours rounded to the nearest tenth used by applying the MATR.

c. Determine total actual hours used, rounded to the nearest tenth of one hour.

d. Determine the chargeable hours, which is the greater of b. or c.

e. Multiply the chargeable hours by the usage charge rounded to the next highest cent.

f. Determine the charge for each Business 800 Service number by multiplying the monthly rate per Business 800 Service number by the quantity of Business 800 Service numbers in service for that given month.

g. Determine the total charges by adding the amounts developed in e. and f. preceding.

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE Continued)

1. BUSINESS 800 SERVICE

.4 Application of Monthly Rates and Charges (Cont'd)

.4.5 Optional Contract Periods

Customers may choose to subscribe on a month-by-month (no contract) basis or take advantage of lower intraLATA rates offered to customers who contract to subscribe to the service for longer periods of time. Options include: one year, two years or three years.

a. Expiration of Contract - If a customer's contract period expires and the customer has not canceled or established a new contract with the Telephone Company, the customer's service will be continued under the month-by-month rates.

b. Termination Liability - If a customer terminates prior to the expiration date of the contract, the customer's contract period to date usage will be re-rated at the month-by-month (no contract) rate, up to a maximum of twelve months, and the payments made to date shall be deducted from the re-rated total. The customer's termination liability would be the difference between these two figures.

c. Unique Ringing Feature - A Distinctive Ring signal is available as an option to Business 800 Service customers. A Distinctive Ring signal will allow the customer to distinguish if the incoming call was placed by dialing the customer's 800 number or the customer's local exchange number.

A Distinctive Ring signal is available only where facilities permit. This feature is not available for use on Customized Multiline Telephone Service, Centrex, PBX trunks, or on local exchange facilities arranged for Multiline hunting.

If the customer has the Business 800 Service configured for multiple terminations, unique ringing will be provided on only one termination. The termination, when applying Ring, must be in the Telephone Company's service area.

There is no additional monthly charge for this feature for customers who contract to subscribe to the service for one, two or three years. There is no additional nonrecurring charge if the feature is ordered on the initial installation of service for a one, two or three year contract period.

General Exchange Catalog

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE Continued)

1. BUSINESS 800 SERVICE

.5 Rates and Charges - The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Catalogs.

.5.1 Business 800 Service

	Nonrecurring [1] Charge	Monthly Rate
Subscription Fee - No Contract		
Per Residence 800 Number	$10.00	$10.00
Subscription Fee - With Contracts		
1 Year Per Residence	$10.00	$10.00
2 Year Per Residence	$10.00	$10.00
3 Year Per Residence	$10.00	$10.00

.5.2 Variable Call Destination

- provides for multiple terminations of the 800 number assigned in conjunction with Residence Line Service, per additional termination	$10.00	$2.00

When this service is added to an existing residence exchange access line, service ordering, connection, and nonrecurring charges associated with residence exchange access lines as shown in this Catalog do not apply. When this service is ordered in conjunction with the new installation of residence exchange access lines, the appropriate service ordering, connection, and nonrecurring charges associated with residence exchange lines as shown in this catalog apply.

[1] Business 800 Service Nonrecurring Charge does not apply during the period from June 15, 1995 through September 15, 1995.

General Exchange Catalog

GRANDFATHERED SERVICES

WIDE AREA TELEPHONE SERVICE Continued)

1. BUSINESS 800 SERVICE

.6 Usage Rates

Business 800 Service usage is billed at the following rates per hour.

	NO Contract Per Hour	1 YR Contract Per Hour	2 YR Contract Per Hour	3 YR Contract Per Hour
Business 800 Service Usage Charge				
Up to 15 Hours	$9.50	$9.22	$8.57	$7.97
Greater than 15 Hours	$9.00	$8.55	$7.95	$7.39

7. Unique Ringing Feature

When Ordered With 1, 2 or 3 Year Contracts 0.00

When this service is added to an existing residence exchange access line, service ordering, connection, and nonrecurring charges associated with residence exchange access lines as shown in this Catalog do not apply. When this service is ordered in conjunction with the new installation of residence exchange access lines, the appropriate service ordering, connection, and nonrecurring charges associated with residence exchange lines as shown in this catalog apply.

GRANDFATHERED SERVICES

BUNDLED SERVICES

1. FRONTIER DIGITAL PHONE ESSENTIALS 3 -2010 [1]

.1 GENERAL

The Frontier Digital Phone Essentials 3 is a package offering available to residential customers that subscribe to flat rate service. The package includes one Residential Flat Rate Access Line and a combination of local features. Customers can take any combination of features for the same flat rate charge.

Basic Bundle

One Residential Flat Rate Access Line	3 Way Calling
Call Waiting/Cancel Call Waiting	Extended Area Service
Caller ID	

Unlimited Feature Pack

Features will be available to the Frontier Digital Phone Essentials 3 package at the price listed under the rates and charges section of this catalog. The following features are available:

*66 Busy Number Redial	Distinctive Ring
Anonymous Call Block/Rejection	Speed Call 8 [2] or 30
*69 Call Return	Priority Call
Call Trace	Basic Call Forward
Call Block	
Call Forward No Answer	

.2 REGULATIONS

.1 The Frontier Digital Phone Essentials 3 is available where technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the catalog.

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

BUNDLED SERVICES

1. FRONTIER DIGITAL PHONE ESSENTIALS 3 -2010 [1] (Cont'd)

.2 REGULATIONS (Cont'd)

.3 When the customer disconnects any component of the package, the remaining components of the package will be billed at their individually cataloged rates.

.4 Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing catalog rules.

.5 Customers may add or delete any features offered in the package without a service order charge.

.6 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.7 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes apply and will be billed in addition to the package.

.8 The package is offered on a month-to-month basis.

.9 The package will appear as a single line item on the bill.

.10 Frontier Digital Phone Essentials 3 is a residential service offering.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Essentials 3 Package	$21.99	
Stay Connected Seasonal Offering	$9.99	
Unlimited Feature Pack	$7.49	(I)

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

GRANDFATHERED SERVICES

BUNDLED SERVICES

2. FRONTIER DIGITAL PHONE STATE UNLIMITED WITH ESSENTIALS 3 [1]

.1 GENERAL

The Frontier Digital Phone State Unlimited with Essentials 3 is a package offering available to residential customers that subscribe to flat rate service. The package includes the following.

Basic Bundle

One Residential Flat Rate Access Line	Call Waiting/Cancel Call Waiting
Extended Area Service	*66 Busy Number Redial
Caller ID	Speed Call 8 [2]
Basic Call Forward	

.2 REGULATIONS

.1 The Frontier Digital Phone State Unlimited with Essentials 3 is available where technically feasible.

.2 The features are provided subject to their individual service regulations as specified in the applicable sections of the catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing catalog rules.

.4 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.5 The package is offered on a month to month.

.6 The package will appear as a single line item on the bill.

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

BUNDLED SERVICES

2. FRONTIER DIGITAL PHONE STATE UNLIMITED WITH ESSENTIALS 3 [1] (Cont'd)

.2 REGULATIONS (Cont'd)

.7 Features will be available to the Frontier Digital Phone State Unlimited with Essentials 3 package at a special price. The following features are available:

Speed Call 30
3 Way Calling
Call Trace
*69 Call Return
Anonymous Call Block/Rejection

.3 RATES AND CHARGES

	Monthly Rate
Frontier Digital Phone State Unlimited with Essentials 3	$23.99
One Feature	$5.99
Two Features	$7.99
Three Features	$9.99
All listed features	$12.99
Stay Connected Seasonal Offering	$ 9.99

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

GRANDFATHERED SERVICES

BUNDLED SERVICES

3. FRONTIER DIGITAL PHONE NATIONWIDE UNLIMITED WITH ESSENTIALS 3-2010 [1]

.1 GENERAL

The Frontier Digital Phone Nationwide Unlimited with Essentials 3 Service is a package offering available to residential customers and includes one residential flat-rate line and the customer's choice of the features and services listed below.

Basic Bundle

One Residential Flat Rate Line	
Call Forward Busy/No Answer	*66 Busy Number Redial
Caller ID	Speed Call 8 [2]
Call Waiting/Cancel Call Waiting	*69 Call Return

Digital Phone Enhanced Feature Pack

Features will be available to the Frontier Digital Phone Nationwide Unlimited with Essentials 3 package at a special price. The following features are available:

Speed Call 30	Selective Blocking
Call Forward Busy/No Answer	3 Way Calling
Call Forward Busy	Anonymous Call Block/Rejection

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

BUNDLED SERVICES

3. FRONTIER DIGITAL PHONE NATIONWIDE UNLIMITED WITH ESSENTIALS 3-2010 [1] (Cont'd)

.2 REGULATIONS

.1 The Frontier Digital Phone Nationwide Unlimited with Essentials 3 is available where technically feasible.

.2 The features and services, except those listed as non-regulated or federally price listed are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the package in accordance with existing catalog rules.

.4 Customers may add or delete any features offered in the package without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.6 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.7 The package is offered on a month to month.

.8 The package will appear as a single line item on the bill.

.3 RATES AND CHARGES

	Monthly Rate	
Frontier Digital Phone Nationwide Unlimited with Essentials 3	$29.99	
Digital Phone Enhanced Feature Pack	$7.49	(I)
Stay Connected Seasonal Offering	$9.99	

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

GRANDFATHERED SERVICES

BUNDLED SERVICES

4. FRONTIER DIGITAL PHONE NATIONWIDE UNLIMITED PLUS WITH ESSENTIALS 3-2010 [1]

.1 GENERAL

The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 3 is a package offering available to residential customers and includes two residential flat-rate lines and the customer's choice of the features and services listed below.

Basic Bundle

Two Residential Flat Rate Lines	
Call Forward Busy/No Answer	Speed Call 8 [2]
Caller ID	*69 Call Return
Call Waiting/Cancel Call Waiting	*66 Busy Number Redial

Digital Phone Enhanced Feature Pack

Features will be available to the Frontier Digital Phone Nationwide Unlimited Plus with Essentials 3 package at a special price. The following features are available:

Speed Call 30	Selective Blocking
Call Forward Busy/No Answer	3 Way Calling
Call Forward Busy	Anonymous Call Block/Rejection

.2 REGULATIONS

.1 The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 3 is available where technically feasible.

.2 The features and services, except those listed as non-regulated or federally price listed, are provided subject to the descriptions and regulations as specified elsewhere in the catalog.

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

BUNDLED SERVICES

4. FRONTIER DIGITAL PHONE NATIONWIDE UNLIMITED PLUS WITH ESSENTIALS 3-2010 [1] (Cont'd)

.2 REGULATIONS (Cont'd)

.3 Non-payment or partial payment of the bill may result in the removal of the services that are included in the package in accordance with existing catalog rules.

.4 Customers may add or delete any features offered in the package without a service order charge.

.5 No discounts will be given to subscribers that do not use all the features or have some features turned off.

.6 Federal Subscriber Line Charge will be billed separately from the basic package offering. All other surcharges and taxes will apply.

.7 The package is offered on a month to month.

.8 The package will appear as a single line item on the bill.

.3 RATES AND CHARGES

Rates	Monthly Rate	
Frontier Digital Phone Nationwide Unlimited Plus with Essentials 3	$29.99	
Digital Phone Enhanced Feature Pack	$7.49	(I)
Stay Connected Seasonal Offering	$9.99	

[1] This service will no longer be provided to new customers as of July 30, 2012. Existing customers may continue the service at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE [1]

1. General

.1 This service is filed pursuant to Section 13-502(b) of the Public Utilities Act. It is a local exchange telecommunications service available only to customers located within the Macomb, Illinois base rate area as set forth in other Catalogs of the Company.

.2 Customized Multiline Telephone Service is a service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, intrasystem communication and Customized Multiline Telephone Service t feature packages as set forth in Paragraph .4 following.

.3 If remote line concentrator modules are required to provide switching capabilities for intracommunication purposes, they will be located on Company provided sites located on the customer's premises. Any remote line concentrators and all system cabling used in association with Customized Multiline Telephone Service are provided by and remain the property of the Company.

.4 Customized Multiline Telephone Service offers Feature Packages A, B, and C shown below at rates and charges set forth in Paragraph 3.1 following. Feature Package A is available to customers subscribing to 4 to 15 Customized Multiline Telephone Service lines at their primary and secondary Customized Multiline Telephone Service system locations. Feature Package B is available to customers subscribing to 6 to 50 Customized Multiline Telephone Service lines at their primary and secondary Customized Multiline Telephone Service system locations. Feature Package C is available to customers subscribing to 21 to 500 Customized Multiline Telephone Service lines at their primary and secondary Customized Multiline Telephone Service system locations. Features packages provided via Customized Multiline Telephone Service host central office interface equipment and software include:

Feature Package A

Call Forwarding-All Calls/Busy/No Answer, Call Waiting, Three-Way Conference, Consultation Hold, Direct Inward Dialing/Direct Outward Dialing, *66 Busy Number Redial, Speed Call 8, Abbreviated Dialing, Call Pickup, Distinctive Ring, Hunting-Directory Number, Music On Hold, Paging Accessing, Station to Station Calling, Touch Calling, Transfer, Class of Service Restriction, Code Call Access

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. General (Cont'd)

.4 (Cont'd)

Feature Package B

Call Forwarding-All Calls/Busy/No Answer, Call Waiting, Three-Way Conference, Consultation Hold, Direct Inward Dialing/Direct Outward Dialing, *66 Busy Number Redial, Speed Call 8, Abbreviated Dialing, Call Pickup, Distinctive Ring, Hunting-Directory Number, Music On Hold, Paging Accessing, Station to Station Calling, Transfer, Speed Call-Group List, Touch Calling, Hunting-Sequential, Hunting-Distributed, Call Park, Camp-On, Class-of-Service-Restriction, Code Call Access, Code Call Restriction, Executive Busy Override, Automatic Line, Conference, Data Call Protection, Dial Pulse Conversion, Dictation Access and Control, Uniform Call Distribution, Uniform Numbering Plan, Automatic Route Selection, Attendant Service, Audio on Calls in Queue, Individual Line Business Service, Night Service-Fixed and Night Service-Flexible

Feature Package C

Call Forwarding-All Calls/Busy/No Answer, Call Waiting, Three-Way Conference, Consultation Hold, Direct Inward Dialing/Direct Outward Dialing, *66 Busy Number Redial, Speed Call 8, Speed Call 30, Abbreviated Dialing, Call Pickup, Distinctive Ring, Hunting-Directory Number, Music On Hold, Paging Accessing, Station to Station Calling, Transfer, Speed Call-Group List, Touch Calling, Hunting-Sequential, Hunting-Distributed, Call Park, Camp-On, Class-of-Service-Restriction, Code Call Access, Code Restriction, Direct Inward System Access, Executive Busy Override, Station Message Detail Recording, Automatic Line, Conference, Data Call Protection, Dial Pulse Conversion, Dictation Access and Control, Flexible Intercept, Uniform Call Distribution, Uniform Numbering Plan, Account Codes, Automatic Route Selection, Queuing-Off Hook, Queuing-Call Back, Expensive Route Warning Tone, Attendant Service, Audio on Calls in Queue, Individual Line Business Service, Night Service-Fixed and Night Service-Flexible, Ring Again, Authorization Codes, and Queuing-Call Back/Off Hook-Enhanced.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

2. Conditions

.1 The Company will furnish one alpha and one classified directory listing on a per Customized Multiline Telephone Service summary account, without charge. Additional listings are offered subject to the provisions set forth in other Catalogs of the Company.

.2 The rates and charges shown for Customized Multiline Telephone Service apply to establishment of Customized Multiline Telephone Service only. Other services as provided for in other Catalogs of the Company may be furnished in connection with this service at rates and charges specified for such services.

.3 Each request for establishment of a Customized Multiline Telephone Service system must be placed in writing by the customer. Should the customer elect to cancel such a request after acceptance by the Company and before the start of the initial contract period described below, he may do so subject to notice in writing and payment to the Company for all resulting nonrecoverable labor and material costs.

.4 Customized Multiline Telephone Service is offered only on a contractual basis, commencing on the date the Service is established. In addition to applicable nonrecurring charges, the following rate elements apply as follows:

.4.1 During the contract period, the rates shown in Paragraph 3.1 following apply for each month of the contract period. Each customer's Contract Period rate is fixed at the amount specified in this Catalog on the date installation work is completed and will not change during the contract period except as a result of the intrastate Common Line Access Charge (CALC) adjustments made as a result of Illinois Commerce Commission order.

.4.2 After the contract period, the rates set forth in Paragraph 3.1.4 following apply monthly for as long as the system is in service. These rates are subject to change and will be billed at the amounts the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

2. Conditions (Cont'd)

.5 In the event that the Customized Multiline Telephone Service is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

.5.1 In the event of termination of Customized Multiline Telephone Service during the contract period, the customer will remain liable for the balance of contract period rates adjusted to their then present worth equivalent, based upon an 8% discount rate, which shall upon any such termination immediately become due and payable in their entirety.

.6 When Customized Multiline Telephone Service is provided, any manual operations at the customer's premises are performed by, and at the expense of, the customer and must conform with Company prescribed operating practices and procedures.

.6.1 Suitable and sufficient space for any remote line concentrator modules required shall be leased by the Company from the customer.

a. Suitable space includes provisions for atmospheric control, which encompasses the following environmental requirements: (1) dust free, (2) controlled temperatures ranging from 50° to 86° Fahrenheit, with consideration given to heat loss and/or gain of the equipment, and (3) relative humidity of 20% minimum and 55% maximum.

.6.2 Commercial power necessary to operate the remote line concentrator modules, if required, located on the customer's premises shall be provided by the customer.

.7 Rotary dial stations are not capable of accessing all Customized Multiline Telephone Service features shown in paragraph .4 of this Section.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

2. Conditions (Cont'd)

.8 A Customized Multiline Telephone Service may be extended to a location outside the same continuous property of the station anywhere within the Macomb exchange. Mileage Charges, as set forth in other Catalogs of the Company, will apply to such off-premises extension stations as well as extension stations located in a different building on the same continuous property. Such charges shall apply in addition to applicable station charges and shall be measured from the location of the serving host central office or from a serving remote line concentrator module, if applicable, whichever is closer, to the off-premises station location.

.9 Customized Multiline Telephone Service system lines are not subject to Business Exchange Service Rates or Access Line Rates set forth in other Catalogs of the Company. However, usage rates set forth in other Catalogs of the Company apply to exchange and zone usage (if appropriate) originating from the Customized Multiline Telephone Service system.

.10 Customized Multiline Telephone Service system lines are not subject to the Business Touch Calling Rate set forth in other Catalogs of the Company.

.11 This Catalog contemplates the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

.12 This Catalog (including the rates and charges shown herein) for Customized Multiline Telephone Service is subject to such changes or modifications as the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

.13 Direct Inward Dialing Charges set forth in other Catalogs of the Company do not apply to Customized Multiline Telephone Service system lines.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

3. Rates

.1 The following rates and charges apply exclusively to Macomb, Illinois.

.1.1 Customized Multiline Telephone Service is offered via the following contract options: 36 Months, 60 Months and 84 Months.

.1.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Catalogs.

.1.3 The following rates apply during the initial contract period:

	36 Month Contract	60 Month Contract	84 Month Contract	Nonrecurring Charge
a. Package A				
4 Lines, per line	$26.46	$22.77	$21.73	[1]
5-8 Lines, per line	$22.97	$20.43	$19.88	[1]
9-15 Lines, per line	$21.99	$18.66	$17.08	[1]

[1] Appropriate Service Charges, excluding the central office Connection Charge, set forth in other Catalogs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

3. Rates (Cont'd)

.1 The following rates and charges apply exclusively to Macomb, Illinois.

.1.3 The following rates apply during the initial contract period:

	36 Month Contract	60 Month Contract	84 Month Contract	Nonrecurring Charge
b. Package B				
6-15 Lines, per line	$25.97	$21.36	$19.52	[1]
16-20 Lines, per line	$23.44	$19.03	$17.38	[1]
21-30 Lines, per line	$21.72	$17.53	$16.03	[1]
31-50 Lines, per line	$20.24	$16.43	$15.47	[1]
c. Package C				
21-40 Lines, per line	$27.03	$22.42	$17.99	[1]
41-50 Lines, per line	$25.22	$17.58	$16.14	[1]
51-75 Lines, per line	$21.83	$16.63	$15.93	[1]
76-100 Lines, per line	$19.13	$16.23	$15.63	[1]
101-500 Lines, per line	$18.03	$16.10	$15.32	[1]

[1] Appropriate Service Charges, excluding the central office Connection Charge, set forth in other Catalogs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

3. Rates (Cont'd)

.1 The following rates and charges apply exclusively to Macomb, Illinois. (Cont'd)

.1.4 A monthly rate of $13.73 on a per line basis, applies to all Customized Multiline Telephone Service after the initial contract period has elapsed.

.1.5 Line rates shown herein do not include the provision of stations.

.1.6 All subsequent line and/or feature additions will be subject to the System Data Base Program Change Charge as set forth in other Catalogs of the Company.

a. Subsequent line additions will be rated under a new contract or an addendum to an existing contract based upon the additional contract period selected. Existing contract period rates, for lines previously contracted, remain unchanged. If the line addition results in the customer's total Customized Multiline Telephone Service line count exceeding the threshold of the line group previously contracted, only the quantity of additional lines will be billed at the rate for the larger group.

b. If a customer requests an upgrade of an existing Feature Package (i.e., from Feature Package A to B or from Feature Package B to C), his existing per line contract rate will be changed to reflect the appropriate rate applicable to the new Feature Package, as set forth in Paragraph 3.1.3 preceding. The new rate will be based upon the existing contract period and the total number of primary and secondary Customized Multiline Telephone Service stations. The new contract rate would apply for the duration of the existing contract period.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL

.1 This service is filed pursuant to Section 13-502(b) of the Public Utilities Act. It is a local exchange telecommunications service available only to customers served from suitably equipped central offices within the Bloomington, Carbondale, Carrollton, Chapin, Goreville, Greenfield, Hudson, Jacksonville, LeRoy, Lincoln, Literberry, Marion, Murrayville, Saybrook and Stanford, Illinois exchanges.

.2 Customized Multiline Telephone Service is a service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, intra-system communication and Customized Multiline Telephone Service feature packages as set forth in Paragraph 1.4 following.

.3 If remote units are required to provide switching capabilities for intra-communication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Customized Multiline Telephone Service are provided by and remain the property of the Company.

.4 Customized Multiline Telephone Service offers Feature Series 1000, 2000 and 3000 shown below at rates and charges set forth in Paragraph 4.4 following. Feature capabilities may vary depending on the type of host central office equipment.

.4.1 Features provided via Customized Multiline Telephone Service from host central office interface equipment and software include:

Series 1000 - Call Forwarding (Busy, All, No Answer), Call Hold, Call Pickup, Call Transfer, Call Waiting, Cancel Call Waiting, Code Call Access, Consultation Hold, Dial Pulse, Direct Inward Dialing, Direct Outward Dialing, Distinctive Ring, Flexible Intercept, Hunting (Sequential), *66 Busy Number Redial, Make Busy (Terminal/Group), Music on Hold, Paging Access, Speed Calling (Changeable), Speed Call 8, Station to Station Dialing, Stop Hunt, 3 Way Calling.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.1 (Cont'd)

Series 2000 [1] - Series 1000 plus: Attendant Busy Verification, Attendant Call Transfer, Attendant Camp On, Attendant Control of Trunk Group Access, Attendant Conference (small), Attendant Hold, Attendant Position Busy, Attendant Recall, Auto Callback, Automatic Call Splitting, Call Park, Code Restriction, Data Privacy, Dictation Access and Control, Direct Connect, Distinctive Call Waiting Tones, Emergency Bureau Access, Executive Busy Override, FX Facilities Access, Fully Restricted Service, Hunting (Distributive), Meet Me Conference, Night Service (Fixed, Flexible), On Hook Queuing, Speed Calling Group, Station Conference (Small), Toll Restricted Service, Uniform Call Distribution.

Series 3000 - Series 1000 and 2000 plus: Account Codes, Authorization Codes, Automatic Route Selection, Call Waiting (Originating), Directed Call Pickup, Expensive Route Warning Tone, Off Hook Queuing, Remote Access to Business Group Features, Speed Calling Individual (Long), Station Message Detail Recording, Time of Day Routing.

.4.2 Definitions of Features

Account Codes - This feature allows a station user to enter an account code or billing number prior to the call. The number will then become part of the Message Detail Report.

Attendant Busy Verification - This feature allows the attendant to determine whether stations are busy or idle and to break in on a conversation in progress.

[1] Attendant features require the use of a Customized Multiline Telephone Service System Interface see 5. following.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Attendant Call Transfer - This feature allows the attendant to transfer a call from one station in a customer group to another.

Attendant Camp On - This feature allows the attendant to extend a call to a busy station. The busy station will ring and be connected to the waiting call when it becomes idle.

Attendant Conference (small) - This feature allows the attendant to establish a conference call of six or more parties, depending on the type of central office equipment.

Attendant Control of Trunk Group Access - This feature allows the attendant to restrict access by stations to trunk groups and outside lines. When control is activated, calls to these facilities are routed to the attendant for completion.

Attendant Hold - This feature allows the attendant to place a call on hold while answering another call or waiting for the called station to become idle.

Attendant Position Busy - This feature allows the attendant to make the console unavailable to any additional calls.

Attendant Recall - This feature provides for automatic recall for no answer, camped-on, busy or calls put on hold. It also allows a station user to recall the attendant for assistance in redirecting a call.

Authorization Codes - This feature allows a station user to override the assigned restriction level for a single call.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Auto Callback/Ring Again - This feature allows a station user encountering a busy station to be automatically notified when the station becomes idle.

Automatic Call Splitting - This feature allows the attendant to talk privately with either the called or calling party as required.

Automatic Route Selection - This feature provides directed routing to the users preferred trunk route list (FX, WATS, Tie Lines, etc.).

Call Forwarding (Busy, All, No Answer) - This feature provides the option of fixed and/or variable forwarding of a station's incoming calls to a predetermined number. All calls or only calls reaching a no answer or busy condition may be forwarded. Fixed Forwarding is established and changed by the Telephone Company, whereas variable forwarding is established and changed by the station user.

Call Hold - This feature allows a station user to place a call in progress on hold.

Call Park - This feature allows a station user to park a call and then retrieve it again from the same or a different station.

Call Pickup - This feature allows a station user to answer incoming calls to another station within his defined pickup group.

Call Transfer (All Incoming Only, Internal) - This feature allows a station user to contact a third party while on a call, establish a three-way conversation and then drop off allowing the two other parties to remain connected (Call Transfer-All). The call transfer function may be restricted to incoming calls only or to calls within a particular customer group.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Call Waiting - This feature provides a burst of tone to inform a busy station user that another call is waiting.

Call Waiting (Originating) - This feature allows a station user to initiate the call waiting feature to a busy station within his customer group.

Cancel Call Waiting - This feature provides the ability to disable the Call Waiting Feature for the duration of a call.

Code Call Access - This feature provides access to customer provided code calling signaling devices.

Code Restriction - This feature allows the customer to block one or more three to ten digit numbers if dialed by selected stations within a customer group.

Consultation Hold - This feature allows the initiator of a three way call or transfer to speak privately with the third party before completing the connection.

Data Privacy/Data Line Protection - This feature prohibits interruption to a busy line by any sort of secondary call.

Dial Pulse - This feature provides for dial pulse or Touch Calling signaling.

Dictation Access and Control - This feature provides for station access to customer provided dictation equipment.

Direct Connect/Automatic Line - This feature provides automatic connection between a station and a predetermined location.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Direct Inward Dialing (DID) - This feature allows incoming calls from the exchange network to reach a specific station without attendant assistance.

Direct Outward Dialing (DOD) - This feature allows station users to place external calls to the exchange network without attendant assistance.

Directed Call Pickup - This feature allows a station user to answer any incoming call within his customer group by dialing the access code and the ringing station number.

Distinctive Call Waiting Tones - This feature provides a different call waiting tone cadence for internal and external calls.

Distinctive Ring - This feature provides different ringing patterns for internal and external calls.

Emergency Bureau Access - This feature provides access to an Emergency Bureau by dialing 9ll or other emergency number.

Executive Busy Override - This feature allows a station user to access a busy station.

Expensive Route Warning Tone - This feature provides a warning tone indicating a route determined to be expensive for a given location has been selected.

Flexible Intercept - This feature provides the automatic routing to intercept of calls which cannot be completed because of imposed restrictions, misdialing, etc.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

FX Facilities Access - This feature provides access to and from a remote exchange network via dedicated trunk facilities.

Fully Restricted Service - This feature prohibits access by a station to facilities other than stations within the same customer group.

Hunting (Distributive) - This feature provides for the even distribution of calls in a large hunt group.

Hunting (Sequential) - This feature provides for sequential hunting for an idle line starting with the first line assigned to the pilot number.

*66 Busy Number Redial - This feature allows a station user to redial the last number dialed by utilizing an access code.

Make Busy (Terminal/Group) - This feature allows a terminal in a hunt group or an entire hunt group to appear busy to incoming calls.

Meet Me Conference - This feature allows a user to arrange a conference in advance by instructing all conferees to dial a specific access code at a given time.

Music on Hold - This feature allows the customer to provide music to the calling party when he has been placed on hold.

Night Service (Fixed, Flexible) - This feature provides for the routing of calls at night to a predetermined station number. The station may be permanently assigned (fixed) or night answer stations may be programmed each day (flexible).

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Off Hook Queuing - This feature allows a station user to remain off-hook and wait for an idle trunk so he may complete his call.

On Hook Queuing/Call Back - This feature provides ring back to the on-hook station when the desired facility becomes idle.

Paging Access - This feature provides access to a customer provided loudspeaker system.

Remote Access to Business Group Features - This feature allows authorized users to call in from the exchange network and gain access to a business group including all features associated with that group.

Speed Calling (Changeable) - This feature allows the station user to change the numbers in a speed calling list directly from his own telephone.

Speed Calling Group - This feature allows more than one station to have access to a shared speed calling list. The shared list may be either short or long.

Speed Calling Individual (Long) - This feature allows a user to dial an individual list of selected numbers using an access code and two digits.

Speed Calling Individual (Short) - This feature allows a user to dial an individual list of selected numbers using an access code and one digit.

Station Conference (Small) - This feature allows a station user to establish a conference call of up to eight parties, depending on the type of central office equipment. No more than one conference call (Attendant or Station) can be established at any one time.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

1. GENERAL (Cont'd)

.4 (Cont'd)

.4.2 Definitions of Features (Cont'd)

Station Message Detail Recording - This feature provides the capability to accumulate call detail information from each station.

Station to Station Dialing - This feature allows station users to call each other using station extension numbers.

Stop Hunt - This feature allows the hunting process to stop when a particular line is reached in a hunting sequence.

3 Way Calling - This feature allows a station user to add a third party to the conversation. (See Consultation Hold and Call Transfer).

Time of Day Routing - This feature provides for route selection based on the most economical path for a particular time of day.

Toll Restricted Service - This feature allows the customer to block station calls placed to the toll network or to divert them to the attendant.

Uniform Call Distribution - This feature provides for call distribution in a hunt group by connecting to the one which has been idle longest.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

2. LIABILITY OF THE TELEPHONE COMPANY

.1 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Customized Multiline Telephone Service Features. In the event that a customer's basic service is interrupted and remains out of service for more than twelve (12) hours after being reported to or found to be out of service by the Company, appropriate adjustments shall be made to the customer's account upon request with a minimum of credit for twenty-four (24) hours. The adjustment shall be the pro rata part of the month's charge for local exchange service for the period of days service was inoperative and shall be accomplished by a credit on a subsequent bill for service. This provision shall not apply when the service interruption is caused by:

.1.1 The negligence or willful act of the customer,

.1.2 Customer provided facilities, or

.1.3 Electric power failure where the customer furnishes such electric power.

.2 The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Customized Multiline Telephone Service Features and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

3. CONDITIONS

.1 The Company will furnish one alphabetical directory listing on a per Customized Multiline Telephone Service summary account, without charge.

.2 The rates and charges shown for Customized Multiline Telephone Service apply to establishment of Customized Multiline Telephone Service only. Other services as provided for in the Catalogs of the Company may be furnished in connection with this service at rates and charges specified for such services.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

3. CONDITIONS (Cont'd)

.3 Each request for establishment of a Customized Multiline Telephone Service system must be placed in writing by the customer. Should the customer elect to cancel such a request after acceptance by the Company and before the start of the initial contract period described below, he may do so subject to notice in writing and payment to the Company for all resulting nonrecoverable labor and material costs.

.4 Customized Multiline Telephone Service is offered on a contractual basis commencing on the date the service is established.

.4.1 The rates per Customized Multiline Telephone Service Line as set forth in 4.1.3, 4.2.3, and 4.3.3 following, plus the selected Feature Series rate per line as set forth in 4.4.1 following, apply each month from the time the System is placed in service until the Customized Multiline Telephone Service is discontinued.

.5 In the event that the Customized Multiline Telephone Service is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

.5.1 In the event of termination of Customized Multiline Telephone Service during the contract period, the customer will remain liable for the balance of contract period rates adjusted to their then present worth equivalent, based upon a 12% discount rate, which shall upon any such termination immediately become due and payable in their entirety.

.5.2 In the event the customer reduces the number of Customized Multiline Telephone Service lines initially contracted, by 20% or more, the termination liability as specified in .5.1 above is applicable and will be based upon the initial number of lines under contract, as set forth in 4.4.4(b) following.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

3. CONDITIONS (Cont'd)

.6 When Customized Multiline Telephone Service is provided, any manual operations at the customer's premises are performed by, and at the expense of the customer.

.6.1 Upon request, the Company will correct a failure caused by customer initiated software changes, will update software records, or make subsequent line and/or feature additions on a time and material basis at labor rates as specified following:

Labor Period	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
(a) Basic Time, Business Day, per Technician	$45.23	$15.78
(b) Overtime, Outside the Business Day, per Technician [1]	$48.73	$19.28
(c) Premium Time, Outside the Business Day, per Technician [1]	$55.74	$26.29

.6.2 Basic Time rates apply for the time the Telephone Company is open for business, Monday through Friday. Overtime rates apply any time outside the business day and all-day Saturday. Premium rates apply all day Sunday and on all Telephone Company approved holidays.

[1] A call out of a Company employee at a time not consecutive with the business day is subject to a minimum charge of four hours.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

3. CONDITIONS (Cont'd)

.7 Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

.7.1 Suitable space includes provisions for atmospheric control, which encompasses the following environmental requirements: (1) dust free, (2) controlled temperatures ranging from 50° to 86° Fahrenheit, with consideration given to heat loss and/or gain of the equipment, and (3) relative humidity of 20% minimum and 55% maximum.

.7.2 Commercial power necessary to operate the remote units, if required, located on the customer's premises shall be provided by the customer.

.8 Rotary dial stations are not capable of accessing all Customized Multiline Telephone Service features shown in Paragraph 1.4.1 of this Section.

.9 A Customized Multiline Telephone Service line may be extended to a location outside the same continuous property of the Customized Multiline Telephone Service customer to any location within the Bloomington, Carbondale, Carrollton, Chapin, Goreville, Greenfield, Hudson, Jacksonville, LeRoy, Lincoln, Literberry, Marion, Murrayville, Saybrook and Stanford, Illinois exchanges. Mileage Charges, as set forth in the Company's other Tariffs or catalogs, will apply to such off-premises extension lines. Such charges shall be measured from the location of the serving host central office or from a serving remote unit, if applicable, whichever is closer, to the off-premises location.

.10 Customized Multiline Telephone Service system lines are not subject to Business Exchange Service Rates or Usage Sensitive Service Access Line Rates set forth in other Tariffs of the Company. However, Call Connection and Minutes of Use Rates set forth in other Tariffs of the Company apply to exchange and zone usage (if appropriate) originating from a Customized Multiline Telephone Service system in the Bloomington, Goreville, Greenfield, Jacksonville, Lincoln, Literberry, Marion, Murrayville, Saybrook or Stanford exchanges.

.11 Customized Multiline Telephone Service system lines are not subject to the Business Touch Calling Rate set forth in the Company's other Tariffs.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

3. CONDITIONS (Cont'd)

.12 This Tariff contemplates the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

.13 This Tariff (including the rates and charges shown herein) for Customized Multiline Telephone Service is subject to such changes or modifications as the Illinois Commerce Commission may from time to time direct or allow in the exercise of its jurisdiction.

.14 Direct Inward Dialing Charges set forth in the Company's other Tariffs do not apply to Customized Multiline Telephone Service system lines.

4. RATES

.1 The following rates and charges apply to the Bloomington, Saybrook, and Stanford, Illinois exchanges.

.1.1 Customized Multiline Telephone Service rates are dependent upon the distance measured in airline mileage from the customer's primary location to the serving Central Office. The primary location is the location having the greatest number of Customized Multiline Telephone Service lines. The Service is offered via the following contract options: 36 months, 60 months and 84 months.

.1.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.1 The following rates and charges apply to the Bloomington, Saybrook, and Stanford, Illinois exchanges. (Cont'd)

.1.3 The following rates apply during the initial contract period and until the service is discontinued: [1]

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
	36 Month Contract Mileage Bands		
4-15 Lines, per line	$22.44	$23.79	$25.15
16-20 Lines, per line	$20.99	$22.28	$23.56
21-30 Lines, per line	$16.73	$19.12	$20.79
31-40 Lines, per line	$15.19	$17.41	$18.96
41-50 Lines, per line	$58.88 (I)	$60.95 (I)	$17.40
51-75 Lines, per line	$12.47	$14.49	$15.50
76-100 Lines, per line	$10.03	$11.76	$12.63
101-500 Lines, per line	$7.58	$9.03	$9.75
	60 Month Contract Mileage Bands		
4-15 Lines, per line	$19.09	$20.28	$21.47
16-20 Lines, per line	$16.00	$17.04	$18.07
21-30 Lines, per line	$12.70	$14.64	$15.99
31-40 Lines, per line	$11.42	$13.21	$14.47
41-50 Lines, per line	$10.43	$12.12	$13.30
51-75 Lines, per line	$8.55	$10.11	$10.89
76-100 Lines, per line	$6.90	$8.26	$8.95
101-500 Lines, per line	$5.25	$6.92	$7.56

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.1 The following rates and charges apply to the Bloomington, Saybrook, and Stanford, Illinois exchanges. (Cont'd)

.1.3 The following rates apply during the initial contract period and until the service is discontinued: [1]

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
	84 Month Contract Mileage Bands		
4-15 Lines, per line	$16.82	$17.90	$18.98
16-20 Lines, per line	$13.85	$14.78	$15.70
21-30 Lines, per line	$10.96	$12.70	$13.92
31-40 Lines, per line	$9.81	$11.42	$12.55
41-50 Lines, per line	$8.95	$10.47	$11.53
51-75 Lines, per line	$6.96	$8.33	$9.02
76-100 Lines, per line	$5.68	$8.10	$8.77
101-500 Lines, per line	$4.30	$7.02	$8.10

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.2 The following rates and charges apply exclusively to the Carbondale, Carrollton, Goreville, Greenfield, Jacksonville, Le Roy, Lincoln, Literberry, Marion, and Murrayville, Illinois exchanges.

.2.1 Customized Multiline Telephone Service rates are dependent upon the distance measured in airline mileage from the customer's primary location to the serving Central Office. The primary location is the location having the greatest number of Customized Multiline Telephone Service lines. The Service is offered via the following contract options: 36 months, 60 months and 84 months.

.2.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs.

.2.3 The following rates apply during the initial contract period and until the service is discontinued: [1]

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
		36 Month Contract Mileage Bands	
4-15 Lines, per line	$22.44	$23.79	$25.15
		60 Month Contract Mileage Bands	
16-20 Lines, per line	$16.00	$17.04	$18.07
21-30 Lines, per line	$13.87	$15.69	$16.70
31-40 Lines, per line	$12.66	$14.16	$15.09
41-50 Lines, per line	$11.57	$13.02	$13.89
51-75 Lines, per line	$10.50	$11.13	$11.80
76-100 Lines, per line	$9.82	$10.35	$11.21
101-500 Lines, per line	$8.78	$9.20	$9.77

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.2 The following rates and charges apply exclusively to the Carbondale, Carrollton, Goreville, Greenfield, Jacksonville, Le Roy, Lincoln, Literberry, Marion, and Murrayville, Illinois exchanges.

.2.1 Customized Multiline Telephone Service rates are dependent upon the distance measured in airline mileage from the customer's primary location to the serving Central Office. The primary location is the location having the greatest number of Customized Multiline Telephone Service lines. The Service is offered via the following contract options: 36 months, 60 months and 84 months.

.2.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs.

.2.3 The following rates apply during the initial contract period and until the service is discontinued: [1]

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
	84 Month Contract Mileage Bands		
4-15 Lines, per line	$16.82	$17.90	$18.98
16-20 Lines, per line	$13.85	$14.78	$15.70
21-30 Lines, per line	$13.09	$14.02	$14.94
31-40 Lines, per line	$12.38	$12.79	$13.45
41-50 Lines, per line	$10.33	$10.83	$12.40
51-75 Lines, per line	$9.68	$10.39	$10.82
76-100 Lines, per line	$9.05	$9.71	$10.13
101-500 Lines, per line	$8.52	$9.02	$9.54

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.3 The following rates and charges apply exclusively to the Chapin and Hudson, Illinois exchanges.

.3.1 Customized Multiline Telephone Service rates are dependent upon the distance measured in airline mileage from the customer's primary location to the serving Central Office. The primary location is the location having the greatest number of Customized Multiline Telephone Service lines. The Service is offered via the following contract options: 36 months, 60 months and 84 months.

.3.2 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs.

.3.3 The following rates apply during the initial contract period and until the service is discontinued: [1]

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
	36 Month Contract Mileage Bands		
4-15 Lines, per line	$26.56	$28.12	$29.69
16-20 Lines, per line	$23.79	$25.22	$26.65
41-50 Lines, per line	$15.87	$18.16	$19.77
51-75 Lines, per line	$13.68	$15.80	$16.87
76-100 Lines, per line	$11.94	$13.86	$14.82
101-500 Lines, per line	$10.80	$11.60	$12.94

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

4. RATES (Cont'd)

.3 The following rates and charges apply exclusively to the Chapin and Hudson, Illinois exchanges. (Cont'd)

.3.3 The following rates apply during the initial contract period and until the service is discontinued: [1] (Cont'd)

	0 - 1.50 Miles	1.51 - 3.0 Miles	3.1 + Miles
	60 Month Contract Mileage Bands		
41-50 Lines, per line	$23.23	$24.63	$26.03
51-75 Lines, per line	$18.76	$19.94	$21.11
76-100 Lines, per line	$16.38	$18.45	$19.60
101-500 Lines, per line	$14.91	$16.61	$17.66
41-50 Lines, per line	$13.68	$15.32	$16.30
51-75 Lines, per line	$11.61	$12.82	$13.54
76-100 Lines, per line	$10.90	$11.74	$12.67
101-500 Lines, per line	$10.11	$10.87	$11.92
	84 Month Contract Mileage Bands		
4-15 Lines, per line	$20.98	$22.27	$23.56
16-20 Lines, per line	$16.64	$17.71	$18.77
21-30 Lines, per line	$15.79	$16.86	$17.92
31-40 Lines, per line	$14.88	$15.35	$16.11
41-50 Lines, per line	$12.51	$13.09	$14.89
51-75 Lines, per line	$10.88	$11.65	$12.12
76-100 Lines, per line	$10.22	$10.94	$11.39
101-500 Lines, per line	$9.73	$10.28	$10.85

[1] In addition to the above line rates, Feature Series rates apply as specified in 4.4.1 following. Nonrecurring Charges - Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

4. RATES (Cont'd)

.3 The following rates and charges apply exclusively to the Chapin and Hudson, Illinois exchanges. (Cont'd)

.3.4 The following line to trunk ratio is implicit in the Customized Multiline Telephone Service line rates as set forth in 4.3.3 preceding.

Lines	Trunk Equivalency	Lines	Trunk Equivalency	Lines	Trunk Equivalency
4-5	2	151-175	18	351-360	36
6-7	3	176-200	20	361-370	37
8-9	4	201-230	23	371-380	38
10-11	5	231-240	24	381-390	39
12-15	6	241-250	25	391-400	40
16-20	7	251-260	26	401-410	41
21-30	8	261-270	27	411-420	42
31-40	9	271-280	28	421-430	43
41-45	10	281-290	29	431-440	44
46-50	11	291-300	30	441-450	45
51-65	12	301-310	31	451-460	46
66-75	13	311-320	32	461-470	47
76-100	14	321-330	33	471-480	48
100-125	15	331-340	34	481-490	49
126-150	16	341-350	35	491-500	50

Customized Multiline Telephone Service trunk access in excess of the trunk equivalency shown above may be obtained at the following rate:

	Monthly Rate
Additional Customized Multiline Telephone Service trunk access, each trunk	$25.00

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

4. RATES (Cont'd)

.4 The following rates and charges apply to the Bloomington, Carbondale, Carrollton, Chapin, Goreville, Greenfield, Hudson, Jacksonville, LeRoy, Lincoln, Literberry, Marion, Murrayville, Saybrook and Stanford, Illinois exchanges. (Cont'd)

.4.1 The following Feature Service rates apply per line for as long as the system is in service.

	Rate
Feature Series 1000, per line	$3.50
Feature Series 2000, per line	$9.20 (I)
Feature Series 3000, per line	$9.55 (I)

.4.2 Line rates shown herein do not include the provision of stations.

.4.3 Appropriate Nonrecurring Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate Service Charges, including the Central Office Line Connection Charge, will apply.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [1] (Cont'd)

4. RATES (Cont'd)

.4 The following rates and charges apply to the Bloomington, Carbondale, Carrollton, Chapin, Goreville, Greenfield, Hudson, Jacksonville, LeRoy, Lincoln, Literberry, Marion, Murrayville, Saybrook and Stanford, Illinois exchanges. (Cont'd)

.4.4 Subsequent line additions/deletions.

(a) Subsequent line additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract. Existing contract period rates, for lines previously contracted, remain unchanged. If the line addition results in the customer's total Customized Multiline Telephone Service line count exceeding the threshold of the line group previously contracted, only the quantity of additional lines will be billed at the rate for the larger group.

(b) Subsequent line deletions resulting in reductions equal to or exceeding 20% of the initial lines under contract will be treated as set forth in 3.5.2 preceding. If the reduction causes the total number of lines to fall within a different line group, all remaining lines will be billed at rates according to the associated line group as set forth in paragraphs 4.1.3, 4.2.3, and 4.3.3 preceding.

.4.5 If a customer requests an upgrade of an existing Feature Series (e.g., from Series 1000 to 2000 or from Series 2000 to 3000), his existing per line contract rate will be changed to reflect the appropriate rate applicable to the new Feature Series, as set forth in Paragraph 4.4.1 preceding. The new contract rate will apply for the duration of the existing contract period. Data Base Program Change charges set forth in other Tariffs of the Company will apply.

[1] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE 1 [2] (Cont'd)

5. OPTIONAL CUSTOMIZED MULTILINE TELEPHONE SERVICES

.1 Customized Multiline Telephone Service Interface - This service provides special interface arrangements for the connection of certain customer premises equipment to a Customized Multiline Telephone Service. Each interface requires a separate Customized Multiline Telephone Service line. Data base program change charges as set forth in 4.4.3 preceding apply per line programmed.

	Contract Period [1]	Monthly Rate
Attendant Console Interface, per interface		
	36 Month	$170.00
	60 Month	$125.00
	84 Month	$110.00

.2 Dedicated Conference Circuit - This service provides a Conference Circuit (for conferencing up to eight parties depending on the type of central office equipment) dedicated for the individual customer's use.

	Nonrecurring Charge	Monthly Rate
Dedicated Conference Circuit, per circuit	$230.00	$140.00

[1] The contract period for the Customized Multiline Telephone Service System Interface is based upon the initial contract period for the Customized Multiline Telephone Service System. Subsequent Interface additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract at rates specified in 5.1 above.

[2] Customized Multiline Telephone Service will no longer be provided to new customers. Existing customers may continue the service for the duration of their current contract at the same location.

GRANDFATHERED SERVICES

CALLING SERVICES

1. Calling Services

.1 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated:

.1.2 Monthly Rates

	Monthly Rate Business	Monthly Rate Residence
b. When provided as a feature package (each package, per line or trunk arranged):		
b.1 Sharper Call Pack (Call Waiting/Cancel Call Waiting, 3 Way Calling, Speed Call 8 [2], Basic Call Forward)	$3.95 [1]	$3.95 [1]
Distinctive Ring, per line when installed with this Pack	$3.00 [1]	$3.00 [1]
b.2 Sharpest Call Pack Call Waiting/Cancel Call Waiting, 3 Way Calling, Basic Call Forward, Camp-On/*66 Busy Number Redial, *69 Call Return, Speed Call 8 [2])	$5.95 [1]	$5.95 [1]
Distinctive Ring, per line when installed with this Pack	$3.00 [1]	$3.00 [1]
b.3 Feature Pack 2300 (includes Basic Call Forward, 3 Way Calling, Speed Call 8 [2]), per line	$3.50 [1]	$3.50 [1]
Distinctive Ring, per line when installed with this Pack	$3.00 [1]	$3.00 [1]
b.4 Feature Pack 4400 (includes Call Waiting/ Cancel Call Waiting, *66 Busy Number Redial, *69 Call Return, Call Block) per line		$8.75 [1]
Distinctive Ring, per line when installed with this Pack		$3.00 [1]

[1] This service is grandfathered to existing customers at existing locations.
[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

CALLING SERVICES (Cont'd)

.1 Rates - in addition to applicable monthly rates for all service or equipment items with which Calling Service is associated: (Cont'd)

.1.2 Monthly Rates

	Monthly Rate Residence
b. When provided as a feature package (each package, per line or trunk arranged):	
b.5 Feature Pack 4900 (includes Call Waiting/Cancel Call Waiting, *66 Busy Redial, *69 Call Return, Basic Call Forward, Speed Call 8 [2], 3 Way Calling, Priority Call, Call Block), per line	$13.25 [1]
Distinctive Ring, per line when installed with this Pack	$3.00 [1]
b.6 Basic Pack	
Call Waiting/Cancel Call Waiting, Caller ID, *69 Call Return, 3 Way Calling, and Call Block	$10.95 [1]
b.7 Complete Feature Pack	
Call Waiting/Cancel Call Waiting, Caller ID, Distinctive Ring, 3 Way Calling, Call Block, Basic Call Forward, *69 Call Return, Speed Call 30, Anonymous Call Block/Rejection, Priority Call, *66 Busy Number Redial, Do Not Disturb, and Selective Call Forward	$16.95 [1]

[1] This service is grandfathered to existing customers at existing locations.
[2] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE

1. General

a. Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service is based on Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) [1] technology. It is a central office based service arrangement, which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features. (C)

2. Conditions

a. The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Digital (ISDN) Single Line Service and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

b. Digital (ISDN) Single Line Service is available where central office and operating facilities and conditions permit.

c. Digital (ISDN) Single Line Service is offered on a term commitment basis commencing on the date the service is established.

d. Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service until the Digital Single Line Service is discontinued.

e. If remote units are required to provide switching capabilities for intra-communication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital Single Line Service are provided by and remain the property of the Company.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Conditions)

f. Rates and charges for Digital (ISDN) Single Line Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

g. If ISDN is not available from a customer's normal serving central office, Frontier North Inc., may chose, at the company's discretion to provide service from the nearest ISDN-capable office. If ISDN is available form the customer's normal serving central office, the customer must accept service from that office and ISDN Foreign Central Office/Foreign Exchange is not available to the customer. At the Company's discretion, Digital (ISDN) Single Line Service may be provided to a non-capable central office. In this instance, if the customer is served from a central office/exchange, which has the same local calling area as his normal serving central office/exchange, no Foreign Central Office/Foreign Exchange charges apply. Should the customer be served from a different local calling area from the customer's normal serving central office/exchange, the applicable Foreign Central office/Foreign Exchange charges apply.

When ISDN service becomes available from the customer's normal serving central office, the customer will accept a number change to a number associated with the ISDN serving central office. The customer will be subject to calling areas associated with the normal serving central office, as specified in Frontier North Inc's tariffs. If the customer does not wish to take ISDN service from the normal serving central office after the service is available from their office but continues to utilize service from an alternate serving central office, then charges as outlined above will continue to apply.

No charge will apply to transfer the customer back to their normal serving central office as set forth above. Provisioning of ISDN from non-capable ISDN offices is solely at the discretion of the Company.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

h. Private Line arrangements or Special Access Services connected with Digital Single Line Service are subject to rates, rules, and conditions as set forth in the appropriate tariffs.

i. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

j. Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from 50^{o} to 86^{o} Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

k. Subsequent Additions, Deletions and Changes

Subsequent line additions will be rated under a new term commitment or an addendum to an existing term commitment based upon the remaining period of the initial term commitment.

l. Termination Liability

In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial term commitment period, the customer shall be liable for payment of termination liability charges as set forth in this Catalog.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

m. General

Services offered in accordance with this tariff are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Single Line services will be provided where central office capabilities and conditions permit.

Customer-provided equipment used in conjunction with services provided in accordance with this tariff must conform with the technical specifications of the Company.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications system to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible.

Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted.

A change to Digital (ISDN) Single Line services will cause a temporary interruption of service.

A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of service and will cause a temporary interruption of service. However, all applicable installation and Service Charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply.

n. Digital (ISDN) Single Line Service is composed of the following elements:
- Single line access (includes B-Voice/CSD)
- Line/Configuration – choose one or a combination of:
  B-Packet [1], per channel
  D-Packet [1], per channel
- Usage Options – must choose one:

Residence & Business
Measured & Flat Rate

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

Digital (ISDN) Single Line Service is digital exchange service.

Each Packaged Service is associated with a digital local loop, not with a channel.

Each digital local loop is arranged with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

Digital (ISDN) Single Line Access is a service, which terminates a digital local loop at the central office and permits access to the exchange network. Only one Digital (ISDN) Single Line access element is required for each digital local loop.

A customer may order multiple Single Lines.

The B-Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B- Channels of a digital local line. The CSD mode operates at a maximum speed of 64 kbps (Switched 64 kbps) but may be used at a speed of 56 kbps (Switched 56 kbps).

The D-Packet Switched Data Channel [1] allows transmission of packet-switched data over a D-Channel. Subscription to a D-Packet Service [1] without subscription to B-Channel Service is permitted.

1. Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of 2 channels. If an additional telephone number is required, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this Catalog.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

n. Digital (ISDN) Single Line Service (Cont'd)

2. Digital (ISDN) Single Line Access

Digital (ISDN) Single Line Access provides support for connecting from one to eight terminals belonging to the same customer on an individual digital local line.

Only one user will be connected to each B-Channel. Other users on the same digital local loop can access the D-Channel only.

Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching [1] arrangement. Additional telephone numbers are required for each additional terminal.

A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

1. Individual Line Loop Extension

Digital (ISDN) Single Line Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Single Line loop from approximately 18,000 feet to approximately 36,000 feet (These distances are for planning purposes. The actual distances are dependent on decibel (dB) loss and not just physical loop length.) This physical extension is accomplished by means of a CO installed power module and an outside plant installed regenerator or U-Repeater.

1 Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

2. Conditions (Cont'd)

n. Digital (ISDN) Single Line Service (Cont'd)

1. Individual Line Loop Extension (Cont'd)

The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34dB loss at 40kHz in either direction of the field repeater is acceptable. With the Frontier North Inc., engineering practice of maximum loss for the Digital Customized Multiline Telephone Service (ISDN) loop to be 38dB at 40kHz, it is assumed, if the customer's distance would exceed the 38dB for standard installation, the U-Repeater would be mounted within the stated range of 34dB and the customer's length would be extended another 34dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Single Line.

The customer's network access line is preengineered to determine when the U-Repeater/power module are required. The customer will not be charged the Digital (ISDN) Single Line Individual Line Loop Extension rate unless the equipment is actually used. The charge will not be invoked based on the cable footage. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module.

o. One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 10XXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service [1].

1. Features

1. Definitions of the SmartCall Feature Packages and CLASS Features are provided in Section 6 of this Catalog.

1 Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. Features (Cont'd)

1. Circuit Switched Data 1000 Package: Data Call Forward, Data Multiline Hunt Group, Data Speed Call 8, and Data Toll Restriction.

1. Circuit Switched Data 2000 Package: Data 1000 Package plus Data Circular Hunting, and Data Speed Call 30.

1. X.25 Basic Package [1]: X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication.

1. X.25 Deluxe Package [1]: X.25 Basic Service (X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication) plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit.

1 Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

1. Features

f. The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

Basic Operating Features [1]	Digital
Feature Name	
Direct Inward Dialing	X
Direct Outward Dialing	X
Automatic Identification of Outward Dial	X
Distinctive Ring	X
Touch Calling	X

Voice Packages Features [2]	Basic
Feature Name	
Analog Shared Directory Number	X
Call Alternation	X
Call Forwarding	X
Conference Calling	X
Drop	X
Feature Inspect	X
Hold	X
Key System Coverage for Analog Lines	X
Multiple Directory Number Buttons	X
Shared Call Appearance of Directory Numbers	X
Speed Calling	X
Time and Date Display	X

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a feature package (2300, 4400, 4900), rather than Digital (ISDN) Single Line Multi-Button Key Set (MBKS) feature packages. An MBKS feature package may be supplemented with SmartCall feature packages by adding those packages to the Digital (ISDN) Single Line rate. Applicable charges will apply as stated elsewhere in this Catalog.

[2] Feature Package (2300, 4400, 4900) can be used with Digital (ISDN) Single Line Service.

General Exchange Catalog

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

f. Feature Matrices (Cont'd)

Data Packages Features	CSD1000	CSD2000	X.25 [2]	X.25	DELUXE [2]
Feature Name					
Data Speed Call 8	X		X		
Data Call Forward	X		X		
Data Toll Restriction	X		X		
Data Multiline Hunt Group	X		X		
Data Circular Hunt			X		
Data Speed Call - 30			X		
X.25 Flow control Parameters Negotiation [2]			X	X	
X.25 Incoming Calls Barred [2]				X	X
X.25 Outgoing Calls Barred [2]				X	X
X.25 Reverse Charge [2]				X	X
X.25 Reverse Charge Acceptance [2]				X	X
X.25 Throughput Class Negotiation [2]				X	X
X.25 Transmit Delay Selection/Indication [2]				X	X
X.25 Closed User Groups [2]					X
X.25 Fast Select [2]					X
X.25 Fast Select Acceptance [2]					X
X.25 Hunt Groups [2]					X
X.25 One-Way Outgoing Logical Channel [2]					X
X.25 Permanent Virtual Circuit [2]					X

[1] Feature Packages 2300, 4400, and 4900 can be used with Digital (ISDN) Single Line Service.
[2] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions

Digital (ISDN) Single Line

B-Channel (Bearer Channel). A channel used to carry digitized voice and data information at a speed of 64 kbps.

B-Packet [1] A service which permits a customer to use a B-Channel for packet switched data.

Basic Rate Interface (BRI) [2]. BRI supports two 64 kilobits per second (kbps) B-Channels and one 16 kbps D-Channel (2B+D).

Clear Channel Capability. The capability to transport 64 kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel. The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel). A communications path that operates at 16 kbps in support of network control signals and 9.6 kbps X.25 packet data [1].

D-Packet [1] A service which permits a customer to use a D-Channel for packet switched data. Utilizes 9.6 of the 16 kbps on BRI ISDN D-Channel and allows for more than one data device.

Digital (ISDN) Single Line [2]. Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1-D-Channel. (C)

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

[2] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions

Digital (ISDN) Single Line

Integrated Services Digital Network (ISDN). A set of standards, which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data [1].

Digital (ISDN) Single Line Access. The central office termination of a BRI Line arranged for access to the public switched network.

Kbps. Kilobits Per Second.
Mbps. Megabits Per Second.
User. A member of a business system.
MBKS. Multi-Button Key Set.

Circuit Switched Data 1000 Package

Data Call Forward allows a customer to forward incoming calls to another telephone number.

Data Multiline Hunt Group provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call 8 allows speed calling over a Circuit Switched Data Channel. Allows storing up to eight numbers.

Data Toll Restriction denies toll calls attempted from Circuit Switched Data Channels.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions (Cont'd)

Circuit Switched Data 2000 Package - includes CSD 1000 Package plus

Data Circular Hunting searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Speed Call 30 allows speed calling over a Circuit Switched Data Channel. Allows storing up to thirty numbers.

X.25 Basic Package [1]

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

3. Features (Cont'd)

g. Definitions (Cont'd)

X.25 Deluxe Package [1]: Includes Basic package plus the following:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group.

X.25 Fast Select allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

Individual Services

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

4. MBKS Basic Service

MBKS Basic Service consists of the following:

Drop - Allows a user to disconnect the last party added to a conference call, or the other party if only two parties are conferenced.

Hold - Allows the MBKS set user to place a call on hold by pressing the function button. Any MBKS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Key System Coverage for Analog Lines - Allows an analog station set to share calls with the ISDN station set.

Multiple DN Buttons - Provide access to more than one Directory Number (DN) on the MBKS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Shared Call Appearances of DN - Allows several MBKS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN.

Time and Date Display - Is a subscription feature for ISDN attendants and ISDN station set users. The 5ESS Switch provides the time and date to the ISDN station set.

Analog Shared Directory Number allows analog lines that share directory numbers with ISDN Multi-Button keysets to be assigned to switching modules that do not contain ISDN software.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

4. MBKS Basic Service (Cont'd)

Call Forwarding allows the MBKS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Conference Calling allows the MBKS set user to set up a conference call. The user presses the button and dials the directory number (DN) of the party to be added to the conference. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected simultaneously.

Call Alternation Allows a station user to place one call on hold , make a second call, and talk alternately between the two parties.

Feature Inspect provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure: (1) The Inspect feature button is depressed and (2) the feature or call appearance button to be inspected is depressed. The feature assigned or, for call appearances, call related information is displayed.

[1] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

General Exchange Catalog

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

5. Rates

	Monthly Rate	12 Month	36 Month
a. Home Digital Measured (ISDN) Single Line Service			
Non-Recurring Charge [1]	$200.00	$100.00	$0.00
Digital (ISDN) Single Line Access [2]	$24.00	$24.00	$24.00
Usage [3]	$.025	$.02	$.015/MIN/B-CHANNEL
B-Packet [4], per channel	$120.00 [1]	$120.00 [1]	$120.00 [1]
D-Packet [4], per channel	$15.00 [1]	$15.00 [1]	$15.00 [1]
b. Home Digital Flat (ISDN) Single Line Service			
Non-Recurring Charge Digital (ISDN)	$200.00	$100.00	$0.00
Single Line Access [1])	$89.00	$59.00	$39.00
B-Packet [4], per channel	$120.00	$120.00	$120.00
D-Packet [4], per channel	$15.00	$15.00	$15.00

[1] The non-recurring charges will be assessed in lieu of all the network access charges: initial Order Charges and connection charges.

[2] Rate includes b-voice/circuit switched data configuration on both b-channels and Individual Line Loop Extension, if necessary. Local loop rates as specified in this Catalog are in addition to the Access Line charges.

[3] Usage applies to all local originating voice and circuit switched data calls.

[4] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

General Exchange Catalog

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

5. Rates (Cont'd)

	Monthly Rate		12 Month		36 Month	
c. Business Digital Measured (ISDN) Single Line Service						
Non-Recurring Charge [1]	$200.00		$100.00		$0.00	
Digital (ISDN) Single Line Access [2]	$972.00	(I)	$972.00	(I)	$972.00	(I)
Usage, MIN/B-CHANNEL [3]	$.025		$.02		$.015	
B-Packet [4], per channel	$120.00		$120.00		$120.00	
D-Packet [4], per channel	$15.00		$15.00		$15.00	
d. Business Digital Flat (ISDN) Single Line Service						
Non-Recurring Charge [1]	$200.00		$100.00		$0.00	
Digital (ISDN) Single Line Access [2]	$3,705.76	(I)	$553.50		$373.50	
B-Packet [4], per channel	$120.00		$120.00		$120.00	
D-Packet [4], per channel	$15.00		$15.00		$15.00	

[1] The non-recurring charges will be assessed in lieu of all the network access charges: initial Order Charges and connection charges.

[2] Rate includes b-voice/circuit switched data configuration on both b-channels and Individual Line Loop Extension, if necessary. Local loop rates as specified in Section 2 of this Catalog are in addition to the Access Line charges.

[3] Usage applies to all local originating voice and circuit switched data calls.

[4] Effective January 2, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service.

General Exchange Catalog

GRANDFATHERED SERVICES

DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

A. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - DIGITAL (ISDN) SINGLE LINE SERVICE (Cont'd)

5. Rates (Cont'd)

		Monthly Rate [1]	Nonrecurring Charges
e.	Packaged Services (Business or Home)		
	MBKS Basic Service, per line	$6.00	$25.00
	Data 1000, per line	$3.00	$15.00
	Data 2000, per line	$5.00	$15.00
	X.25 Basic	NC	NC
	X.25 Deluxe, per line	$5.00	$15.00
f.	Individual Services		
	Data Direct Connect, per line	$1.00	--
g.	Interoffice/intraexchange Transport (per mile or Fraction thereof), per ISDN Single Line	$7.50	--
h.	Optional Features		
	Additional Directory Numbers, each	$2.00	--
i.	Foreign Exchange, per ISDN line	$75.00	--
j.	Data Base Changes		
	Software Changes [2] Add Line Features		$25.00 [3]

[1] These rates apply in addition to all other ISDN charges.
[2] Applies to changes to existing services.
[3] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $25.00 per hour, or fraction thereof.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (C)

.1 General

.1.1 Integrated Services Digital Network (ISDN) - Basic Rate Interface Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. It is a central office based service arrangement which provides for local exchange access, interexchange access, business group communications and feature packages.

.1.2 ISDN - Basic Rate Interface Service is furnished from digital central office equipment located on Company premises and associated facilities.

.1.3 A customer may choose to subscribe to ISDN - Basic Rate Interface Service from a central office other than his normal serving central office. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the dial tone. Where available, rates and charges will be provided as shown in this Catalog.

.1.4 ISDN - Basic Rate Interface Service may be comprised of the following elements:

Channel Configuration
Features
ISDN Access
Network Access

.1.5 ISDN - Basic Rate Interface features will be grouped as follows:

Customized Multiline Telephone Service Series 1000
Customized Multiline Telephone Service Series 2000
Customized Multiline Telephone Service Series 3000
Circuit Switched Data Features
Non- Customized Multiline Telephone Service ISDN Feature Packages
Optional Customized Multiline Telephone Service System Features
Packet Switched Data Features

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.2 Regulations

.2.1 ISDN - Basic Rate Interface Services under this tariff are available to those subscribers requiring five-hundred (500) lines or less. The minimum allowed line size is three (3) lines. All subscribers over the five-hundred (500) line maximum will be handled as a Special Service Arrangement.

.2.2 ISDN - Basic Rate Interface Service is required to conform with the Technical Reference Specifications as used by the Company in the Technical Interface Reference Manual. Refer to Bellcore TR Nos. 393, 394, 397, 471, 793 and ANSI T1.601-620, T1.216-219. ISDN BRI will be provided where local loops do not exceed 14,000 kilofeet in length or a maximum 34 db loss as measured at the customer's premises.

.2.3 Should a change or substitution of Telephone Company operating facilities occur, the Telephone Company will work cooperatively with the customer relative to the implementation required by the change in operating characteristics.

.2.4 ISDN - Basic Rate Interface Features are listed in this Section. These features may require customer-provided compatible terminal equipment.

.2.5 Access to the exchange network for voice calls is provided via a Network Access as specified in Section 8 of this Catalog. Each business group will have, at minimum, one (1) Network Aaccess Rate.

.2.6 The number of simultaneous voice exchange and toll network calls to and from ISDN - Basic Rate Interface Lines and attendant positions of an ISDN - Basic Rate Interface business system are limited by the number of Network Access(es) subscribed to by the customer. Each Network Access may be arranged for two-way, one-way incoming, or one-way outgoing utilization depending upon the option of the customer at the time the Network Access is installed. When a change in the type of network utilization is requested by the customer, the appropriate change charge as specified in Section 8 of this Catalog will apply per Network Access affected. The Central Office Line Connection Work charge is not applicable.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.2 Regulations (Cont'd)

.2.7 Directory Listings will be furnished subject to the rates and regulations as shown in other Tariffs of the Company.

.2.8 Service charges as shown in other Tariffs of the Company apply in addition to the charges provided in this Section.

.2.9 Regulations as shown in other Tariffs of the Company are applicable to ISDN - Basic Rate Interface Service unless otherwise specified elsewhere in this Catalog.

.2.10 A single primary directory number (DN) is included with ISDN - Basic Rate Interface Service. Secondary directory numbers may be purchased as provided in this Catalog. A shared Primary DN is a primary DN that appears on more than one terminal. A shared Secondary DN is a DN that appears on more than one terminal but is not the primary DN on any of those terminals. A Secondary DN may function as a primary DN on a terminal within a business group.

.3 ISDN - Basic Rate Interface Features

.3.1 All features may not be available on all types of central office switches.

.3.2 Basic Service Features: Automatic Identification of Outward Dial (AIOD) Direct Inward Dialing/Direct Outward Dialing (DID/DOD), Distinctive Ring, Station-to-Station Calling (Intercom), Touch Calling, and Incoming Calling Number Identification (within the Business Group).

.3.3 Customized Multiline Telephone Service Feature Package - Series 1000: Provided in Section 8 of this Catalog.

.3.4 Customized Multiline Telephone Service Feature Package - Series 2000: Provided in Section 8 of this Catalog.

.3.5 Customized Multiline Telephone Service Feature Package - Series 3000: Provided in Section 8 of this Catalog.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.3 ISDN - Basic Rate Interface Features (Cont'd)

.3.6 Customized Multiline Telephone Service Optional System Features: Provided in Section 8 of this Catalog.

.3.7 Circuit Switched Data Features:

a. Data 1000 Feature Package includes Data Call Forward, Data Multiline Hunt Group, Data Speed Call 8, and Data Toll Restriction.

b. Data 2000 Feature Package includes Data Call Back, Data Circular Hunting, Data Group Speed Call 30, and Data Speed Call 30 or any combination of Data 1000/Data 2000 features. A single line may not be equipped for both Data Multiline Hunt and Data Circular Hunting.

.3.8 Data Optional Features: Data Closed User Group and Data Direct Connect.

.3.9 ISDN - Basic Rate Interface Electronic Key Telephone Service Features (EKTS): Analog Shared Directory Number, Automatic Callback on Busy, Bridging, Call Forwarding, Call Pickup, Conference Calling, Drop, Feature Function Buttons, Feature Inspect, Hold, Intercom Function, Key System Coverage for Analog Lines, Manual Exclusion, Multiple Directory Number Buttons, Shared Call Appearances of Directory Numbers, Speed Calling, Terminal Management, Time and Date Display, Transfer, and Two-Digit Intercom Dialing.

.3.10 ISDN - Basic Rate Interface Electronic Key Telephone Service Deluxe Features: All of the ISDN EKTS Features plus the following: Delayed and Abbreviated Ringing, Display for Ringing Call Appearances Only, Initiated Priority Calling, Inspect for ISDN Terminals, Intercom Alerting, Originating Priority Calling, Outgoing Called Line Identification for ISDN Terminals, and Priority Calling Incoming Only.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions

.4.1 Standard definitions:

"B" Channel - A 64 Kbps channel primarily used for information transfer (voice/data) from user to user.

Business System - The combination of ISDN Access and Network Access(es) forming a complete communications system for a single business group within a single central office.

"D" Channel - A 16 kbps channel primarily used for signaling messages and/or packet-switched user data. The bit rate is fixed as a function of the interface used.

ISDN - Basic Rate Interface Line Capacity (2B+D) - Two 64 kilobits per second (kbps) "B" channels and one 16 kbps "D" channel (2B+D).

Number Identification - A Basic Service Feature which permits incoming calling number identification between ISDN Service and a Customized Multiline Telephone Service System in the same business group or between two or more ISDN Basic Rate Interface lines in the same business group.

Primary Directory Number (DN) - The single telephone number provided with each ISDN Access Line.

Secondary DN - A telephone number purchased by the customer which is in addition to the primary DN for an ISDN Access Line.

Terminal - A CPE device connected to an ISDN - Basic Rate Interface line.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features:

a. Definitions of the Customized Multiline Telephone Service Feature Packages and Customized Multiline Telephone Service Optional System Features are provided in Section 8 of this Catalog.

b. Circuit Switched Data Features:

b.1 Data 1000 Feature Package:

Data Call Forward - This feature allows a customer to have incoming calls to a station automatically forwarded to a predetermined telephone number. Call Forward consists of three variations as follows: all calls, busy, and no answer.

Data Multiline Hunt Group - Only a pilot directory number is associated with this hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot directory number and ending at the last line.

Data Speed Call 8 - The use of the Speed Call 8 is limited to an individual Switched Data line. Consists of a maximum of eight stored numbers.

Data Toll Restriction - Toll calls attempted from Switched Data lines with this feature are denied.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b. Circuit Switched Data Features: (Cont'd)

b.2 Data 2000 Feature Package:

Data Call Back - This feature allows a calling party upon encountering a busy line to be notified when the line becomes idle. The call is then automatically established.

Data Circular Hunting - Only a pilot directory number is associated with this hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached.

Data Group Speed Call 30 - This feature provides storage for an abbreviated numbers list which is shared for use by a group of lines. The list may be updated by a service order. A maximum of thirty stored numbers is available.

Data Speed Call 30 - The use of the Speed Call 30 is limited to an individual Switched Data line. Consists of a maximum of thirty stored numbers.

c. Data Optional Features

Data Closed User Group - This feature provides the partitioning of Switched Data lines into a group where calls within such a group are allowed but calls between such groups are denied.

Data Direct Connect - This feature provides an automatic connection between a calling line that goes off-hook and a predetermined location.

[1] ISDN-BRI is grandfathered and limited to existing customers at existing locations as of March 28, 2022. Moves, additions or changes will not be permitted. (N) (N)

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features:

Analog Shared Directory Number on all SM Configurations allows analog lines that share directory numbers with ISDN Multi-Button keysets to be assigned to switching modules that do not contain ISDN software.

Automatic Callback on Busy allows the user to activate this feature by pressing the function button assigned to Automatic Callback on Busy when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the originating EKTS set user. When the set user goes off-hook, the call is placed.

Bridging allows the EKTS set user to bridge onto a currently active call by pressing the active call appearance button on the EKTS set and going off-hook. This establishes a 3-way call. This is different from standard Threeway Calling because the third party initiates the bridge to the active call. Bridging is inhibited if Manual Exclusion is activated at an EKTS set engaged in the active call. Only one additional shared call appearance user may bridge on an active 2-way call. Bridging is not allowed on an active multiway call.

Call Forwarding allows the EKTS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Call Pickup allows the EKTS set user to pick up a call directed to another station in the customer group.

Conference Calling allows the EKTS set user to set up a conference call. The user presses the button and dials the directory number (DN) of the party to be added to the conference. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected simultaneously.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features: (Cont'd)

Drop feature allows the EKTS set user to drop the last party added to a conference call. For a two-party call, pressing this button disconnects the EKTS set from the call.

Feature Function Buttons on the EKTS set can be assigned to activate certain features (any that can be activated by dialing an activation code). Indicator lights show the activation or deactivation status of the features. The number of function buttons may vary dependent on the EKTS set design. Some of the features that can be assigned to feature function buttons are:

Automatic Callback on Busy allows the user to activate this feature by pressing the function button assigned to Automatic Callback on Busy when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the originating EKTS set user. When the set user goes off-hook, the call is placed.

Call Forwarding allows the EKTS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Call Pickup allows the EKTS set user to pick up a call directed to another station in the customer group.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features: (Cont'd)

Feature Function Buttons (Cont'd)

Drop feature allows the EKTS set user to drop the last party added to a conference call. For a two-party call, pressing this button disconnects the EKTS set from the call.

Hold allows the EKTS set user to place a call on hold by pressing the function button. Any EKTS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Manual Exclusion allows an EKTS set user to inhibit other stations from picking up a call on hold or bridging onto a call that is active at that station.

Multiple Directory Number Buttons provide access to more than one directory number (DN) on the EKTS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Speed Calling allows the user to dial a preassigned number by pressing the button assigned to speed calling and dialing one or two digits. This feature operates with the Call Transfer, Conference Calling, and Call Forwarding features.

Transfer allows the EKTS set user to transfer a call to another directory number (DN) in the customer group by pressing the transfer button, dialing the DN, and pressing the button again.

Feature Inspect - This provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on the terminal. This is different from inspect for ISDN terminal feature.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features: (Cont'd)

Hold allows the EKTS set user to place a call on hold by pressing the function button. Any EKTS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Intercom Function allows the station set to emulate a dedicated wire to another station for priority conversations without tying up the station set from active or incoming calls.

Key System Coverage for Analog Lines allows an analog station set to share calls with the ISDN station set.

Manual Exclusion allows an EKTS set user to inhibit other stations from picking up a call on hold or bridging onto a call that is active at that station.

Multiple Directory Number Buttons provide access to more than one directory number (DN) on the EKTS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Shared Call Appearances of a Directory Number (DN) allows several EKTS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features: (Cont'd)

Speed Calling (also known as Abbreviated Dialing) permits the customer to dial selected numbers using fewer digits than normally required. This is accomplished through the assignment of abbreviated codes to frequently called numbers. One- and two- digit speed calling lists are available. The Speed Calling feature is available to individual lines and members (some or all) of a multiline hunt group. Speed Calling lists assigned to individual lines can be shared by other lines at the customer's request. For the business and residential customer services feature, the service provider can define list sizes and up to three-digit access codes. Speed Calling allows the user to dial a preassigned number by pressing the button assigned to speed calling and dialing one or two digits. This feature operates with the Call Transfer, Conference Calling, and Call Forwarding features.

Terminal Management provides a management function for the EKTS terminal and, therefore, is mostly transparent. However, the following capabilities impact the user:

Adjunct Control automatically turns on the speaker phone at the station set, if appropriate for the particular feature.
Automatic Hold/Drop Preference automatically determines how to handle a call active on one call appearance when the user shifts to another appearance. Two types of treatment are provided: auto-drop and auto-hold.
Button Management provides generic buttons that can be used for features or call appearances.
Call Appearance Selection for Implicit Conference and Transfer automatically selects an idle appearance for the Implicit Conference and Transfer features.
Display for Ringing Call Appearances Only will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared backup coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

d. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Features: (Cont'd)

Terminal Management (Cont'd)

Feature Button Inspection provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure: (1) the Inspect Feature button is depressed, and (2) the feature or call appearance button to be inspected is pressed. The feature assigned or, for call appearances, call related information is displayed.

Idle Call Appearance Preference automatically selects an idle call appearance, if available, when an EKTS set with multiple call appearances goes off-hook. This selection occurs even if other call appearances are alerting the station set.

Inspect for ISDN Terminals retrieves and displays call-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The date that can be displayed includes: call appearance identification, called or calling directory number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

Ringing Call Appearance Preference automatically selects the call appearance that has been alerting the longest when the user goes off-hook at an EKTS station set with multiple call appearances being alerted.

Time and Date Display is a subscription feature for ISDN attendants and ISDN station set users.

Transfer allows the EKTS set user to transfer a call to another directory number (DN) in the customer group by pressing the transfer button, dialing the DN, and pressing the button again.

Two-Digit Intercom Dialing - This feature allows a user to have a shortened dialing sequence (two digits) to reach a group of destination numbers in the business group. The maximum size that can reside in that intercom group cannot exceed 100 members.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

e. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Deluxe Features:

The features below are in addition to the ISDN - Basic Rate Interface Electronic (BMKS) Features described preceding.

Delayed and Abbreviated Ringing alerts an EKTS set for a predetermined interval before ringing another designated EKTS set.

Display for Ringing Call Appearances Only will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared back up coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

Initiated Priority Calling provides an ISDN equivalent of Dial Call Waiting. A station user initiates a priority call by one of two methods: dialing the initiated priority calling function code or pressing a priority calling feature button, then dialing the digits of the called party.

Inspect for ISDN Terminals retrieves and displays call-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The data that can be displayed includes: call appearance identification, called or calling directory number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

Intercom Alerting provides a distinctive ring and/or visual indicator to alert the EKTS set user of an intercom call.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

e. ISDN - Basic Rate Interface Electronic Key Telephone Service (EKTS) Deluxe Features: (Cont'd)

Originating Priority Calling provides an ISDN equivalent to Call Waiting Originating. When assigned to a particular station set, all calls originated from it are priority calls.

Outgoing Called Line Identification (OCLID) for ISDN Terminals - provides a user originating a call with information about the called party and the facility or destination. Facility and call destination information are provided via the ISDN Call Identification (ICI) call types. The OCLID information provided is:

- Call Appearance Identification
- Called Directory Number (DN)
- ISDN Call Identification (ICI)

If an attendant is originating the call, the switch also provides the originating permissions of the called party. This feature is billed only on a flat-rate basis.

Priority Calling Incoming Only provides an ISDN equivalent of Call Waiting-Incoming Only. With this feature, calls outside the business group can terminate to a priority call appearance. Terminations to priority appearances use normal intergroup alerting as opposed to priority alerting.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

f. Package Switching Features (Cont'd)

f.1 ISDN X.25 Basic Feature Package: (Cont'd)

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred feature prohibits a data terminal from terminating an incoming call. This feature is activated by a service order.

X.25 Outgoing Calls Barred feature prohibits a data terminal from originating outgoing virtual calls. This feature is activated by service order.

X.25 Throughput Class Negotiation feature allows the calling data terminal to request specific throughput classes in the call request package for both directions of data transmission. This feature is activated by service order.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred feature prohibits a data terminal from terminating an incoming call. This feature is activated by a service order.

X.25 Outgoing Calls Barred feature prohibits a data terminal from originating outgoing virtual calls. This feature is activated by service order.

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X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

f. Package Switching Features (Cont'd)

f.2 ISDN X.25 Enhanced Feature Package:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. Communication with users who are external to the closed user group is not permitted. The closed user groups are established by a service order. A user can belong to multiple closed user groups.

X.25 Fast Select allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets.

X.25 Fast Select Acceptance allows the switch to transmit incoming call packets with the fast select facility to a destination terminal that has this feature.

X.25 Hunt Groups allow a grouping of access lines such that an incoming packet-switched data call to the hunt group is completed if there is an available logical channel on any of the access lines within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the switch, but the Hunt Group cannot span switches. A basic rate interface within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify some number of logical channels to be used only for calls that they originate. This feature is activated by service order.

X.25 Permanent Virtual Circuit feature allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. The permanent virtual circuit is established by a service order.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.5 Conversion

.5.1 A customer with existing Centrex, Customized Multiline Telephone Service, or other local exchange service offering may select to convert to ISDN - Basic Rate Interface Service. When an existing Customized Multiline Telephone Service or Centrex customer orders services in combination, both Basic Rate Interface Service and Customized Multiline Telephone Service may be grouped together if the facilities provided for all the connections terminate in the same facilities terminal in the same telephone company central office.

.5.2 All applicable installation and Service Charges, plus charges applicable to the establishment of ISDN - Basic Rate Interface Service will apply.

.5.3 For the purpose of administering termination liability provision applicable to converting Customized Multiline Telephone Service, each Basic Rate Interface Service line will be counted as a Customized Multiline Telephone Service line in determining the total system size. Should the combined business/customer group decline below the existing system size or should the customer discontinue all existing Customized Multiline Telephone Service lines any and all appropriate termination liability charges will apply.

.5.4 A temporary interruption of service will occur.

.5.5 The conversion may incur a change of service arrangement requiring a telephone number change.

.6 Additional Directory Numbers

.6.1 One "primary" directory number (DN) is provided for the use of an ISDN-Basic Rate Interface Line.

.6.2 With ISDN Access, a single terminal may choose to order multiple Secondary directory numbers for the ISDN - Basic Rate Interface Line.

.6.3 A maximum of eight (8) terminals belonging to the same customer are permitted per ISDN-Basic Rate Interface Line. At a minimum, one secondary directory number is required for each additional terminal.

.6.4 Secondary directory numbers are available as specified in this Catalog.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.7 Payment Schedule

.7.1 ISDN - Basic Rate Interface Service is offered as a month-to-month payment plan.

.7.2 ISDN - Basic Rate Interface Service is subject to a one (1) month minimum service period.

.8 ISDN Multipoint Access

.8.1 ISDN Multipoint Access provides support for connecting a maximum of eight (8) terminals, belonging to the same customer, to a single ISDN - Basic Rate Interface Line (2B+D).

.8.2 A maximum of two (2) terminals will be allowed access to the "B" channels, the remaining terminals on the same ISDN - Basic Rate Interface Line will have access to the "D" channel only.

.8.3 All eight terminals can share the same "D" channel simultaneously in a "D" channel packet switching arrangement.

.8.4 ISDN Multipoint Access includes a "primary" directory number. Secondary directory numbers to be used by the multiple users on the same ISDN - Basic Rate Interface Line must be ordered by the customer as specified in this Catalog.

.9 Rate Structure

.9.1 ISDN - Basic Rate Interface Service consists of five (5) basic elements:

"B" Circuit Switched Data Channel (B-CSD)
"B" Packet Switched Data Channel
"B" Voice Channel
"D" Packet Switched Data Channel
ISDN Access

.9.2 Each ISDN - Basic Rate Interface Service is comprised of an ISDN Access element. The channel elements can be arranged to best suit the customer's needs, not to exceed the maximum 2B+D per ISDN - Basic Rate Interface capacity.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.9 Rate Structure (Cont'd)

.9.3 Each ISDN BRI line is allowed only one voice, one data and one packet feature package regardless of the number or mix of desired channels.

.9.4 Each ISDN - Basic Rate Interface Line within a business group can be individually suited by feature package and channel arrangement.

.9.5 The rates and charges for ISDN Access specified in this Section provide for the access to the basic exchange network and the line termination.

.9.6 The customer can subscribe to ISDN Access as Voice or Data or a combination of Data and Voice on a single or multi-point service.

.9.7 The rates and charges for Network Access(es) as specified in Section 8 of this Catalog are required for exchange and toll network usage.

.9.8 The "B" Voice Channel element assigns voice traffic to one of two available "B" channels on the ISDN - Basic Rate Interface Line.

.9.9 The "B" Circuit Switched Data Channel (B-CSD) assigns circuit switched data traffic to one of two available "B" channels on the ISDN - Basic Rate Interface Line. The CSD channel will operate at speeds up to 64 Kbps for intra-business group calling only. When the CSD channel is utilized at the 56 kbps speed, the user is able to place calls within a business group and outside of the business group. Usage rates will only apply for calls to points outside the business group. If the customer desires that both available "B" channels be dedicated to CSD, then two (2) "B"-CSD Channel elements would be required.

.9.10 The "B" Packet Switched Data Channel dedicates a "B" channel to packet switched data. This channel is available for business group calling only. If the customer desires that both available "B" channels be dedicated to packet switched data service, then two (2) "B" Packet Switched Data Channel elements are applicable.

.9.11 The "D" Packet Switched Data Channel allows the customer to utilize the "D" channel for packet switched data. This channel is available for business group calling only. A single "D" Packet Switched Data Channel is available independent of the "B" channel configuration.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

1. Integrated Services Digital Network (ISDN) - Basic Rate Interface (BRI) – Grandfathered [1] (Cont'd) (C)

.9 Rate Structure (Cont'd)

.9.12 End User charges as specified in the End User Common Access Service Section of Telephone Operating Companies Tariff FCC No. 4 apply as appropriate.

.9.13 Presubscription of a Carrier of Preference is specified in the FCC No. 4 Tariff and, if appropriate, the Intrastate Access Services Tariff. All secondary directory numbers will be presubscribed to the same Carrier of Preference as the customer's "primary" directory number. Access to other service providers will be via the 10XXX access code. Each Basic Rate Interface Line may have one Carrier of Preference for switched voice and one Carrier of Preference for switched data.

.10 Individual Line Loop Extension

.10.1 ISDN Individual Line Loop extension provides a physical extension of the BRI loop from approximately 18,000 feet to approximately 36,000 feet when provided from an ISDN capable central office. This physical extension is accomplished by means of a central office installed power module and an outside plant installed regenerator or U-repeater.

.10.2 ISDN Individual Line Loop Extension Service is deployed based upon dB loss and not on specific cable footage. The equipment specifications state that a loss of up to 34dB at 40kHz in either direction from the field repeater is acceptable. The Frontier engineering practice maximum loss for an ISDN BRI loop is 38dB at 40kHz. When the customer's distance exceeds this standard, the U-repeater will be mounted within the stated range of 34dB and the customer's distance is extended another 34dB from the U-repeater installation point. Only one power module and U-repeater can be installed per BRI line.

.10.3 The power module is designed for use only with the U-repeater and the repeater can only be used with the power module.

.10.4 The customer will not incur a charge for the ISDN BRI Loop Extension unless the equipment is actually used.

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GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI)

.1 General

.1.1 Integrated Services Digital Network-Primary Rate Interface (ISDN-PRI) Service provides intraexchange access for integrated services between the customer's premises and the serving office via a 1.544 Mbps facility. ISDN-PRI denotes an end-to-end digital network capable of supporting a combination of public and private network access services.

.1.2 ISDN-PRI network interface requirements are described in the Technical Reference Specifications as used by the Telephone Company in the Technical Interface Reference Manual. Refer to Bellcore TR Nos. 393, 394, 397, 471, 793 and ASNI T1.601-620, T1. 216-219. ISDN-PRI requires compatible customer-provided equipment registered under FCC Part 68.

.1.3 The customer must provide information regarding the intended use of the service sufficient to permit the Telephone Company to furnish and maintain the service ordered and assure that tariff regulations are followed.

.1.4 The availability and functions of the features and capabilities for ISDN-PRI Service may vary by serving central office. Where requested facilities are not available, rates and charges, at the Company's option, may be provided on an Individual Case Basis.

.2 Regulations

.2.1 ISDN-PRI Service is available to customers where facilities are available. Customers must provide compatible premises switching equipment for terminating the "D" channel and the 1.544 Mbps high capacity digital services facilities.

.2.2 ISDN-PRI Service is typically divided in capacities of twenty-three 64 Kbps "B" channels and one 64 Kbps "D" channel (23B+D).

.2.3 The "B" channels can carry switched voice and switched data at up to 64 Kbps. The channels can be configured for voice or data or a combination of voice and data.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.2 Regulations (Cont'd)

.2.4 The "B" channels can be dedicated to a specific configuration, or, optionally, a group of "B" channels can be shared for access to two or more configurations shown in 2.6.7 following.

.2.5 The "D" channel carries the out-of-band signaling required to control its associated "B" channels on one or more 1.544 Mbps high capacity digital services facilities, where technology permits.

.2.6 The minimum service period for each ISDN-PRI Service is one month.

.2.7 Where a customer's ISDN-PRI Service interconnects with an Interexchange Carrier (IC) or other service provider, PRI Access is only permitted within a single customer's ISDN-PRI Service Arrangement. Access to the Telephone Company's network exchange or switched services are not permitted.

.2.8 When a customer's serving office is not suitably equipped and the customer chooses to subscribe to ISDN-PRI Service from another central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office.

The PRI Access Termination and the PRI Facility rates, including the Access Line and Transport rates, plus the applicable Network Access rate will apply.

.2.9 The General Regulations specified in other Tariffs of the Company are applicable to all communications services offered by the Telephone Company. Additional regulations pertaining to specific service offerings are specified in various sections of this and other Telephone Company tariffs.

.2.10 Regulations, rates and charges for services identified in 5.2.3 are found in the appropriate tariff and are in addition to ISDN-PRI Service rates and charges. Regulations that apply on a per line basis in other tariffs will apply on a per channel basis in this Catalog.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.3 Definitions

Primary Rate Interface (PRI) - denotes the connection of a 1.544 Mbps high capacity digital service to the serving central office switch. Software in the central office switch defines 24 channels within the 1.544 Mbps bandwidth of the high capacity digital service. The 24 channels are typically divided into 23 "B" channels plus one "D" channel.

ISDN-PRI Service - provides the communications path between the customer's premises and the equipped central office for access to switched voice and switched data services. Each ISDN-PRI Service employs a Primary Rate Interface (PRI) Facility and Primary Rate Interface (PRI) Access.

ISDN-PRI Service Arrangement - denotes one or more PRI Facilities plus PRI Access arranged together in the same central office or different central office to provide one single service for the same customer.

Interexchange Carrier (IC) Services - "B" channels may be dedicated to interconnect with various compatible services provided by other service providers. The customer shall be responsible for the ordering of these services.

"B" Channel - The "B" channel carries digitized customer traffic (voice, data) at 64 Kbps.

"D" Channel - The "D" Channel is a signaling channel at 64 Kbps used to control and route "B" channel traffic.

.4 PRI Features and Definitions

.4.1 Standard Features

Call-by-Call Access - a customer specified arrangement of "B" channels is used to access services available in the ISDN-PRI serving central office switch. The customer will be allowed to mix dedicated services and call-by-call access on the same ISDN-PRI Service. To utilize call-by-call access, the customer must specify, at subscription time, the quantities of channels that will be utilized for a specific service on the ISDN-PRI Service. The "B" channels will be assigned and billed the maximum quantity specified.

Number Identification - this feature will allow the delivery of caller ID between an ISDN-PRI Service and a Customized Multiline Telephone Service system or between two or more ISDN-PRI Services belonging to the same customer.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.5 Upgrade of Existing Services

.5.1 A customer with existing Customized Multiline Telephone Service, PBX, or other local exchange service offerings may elect to upgrade to ISDN-PRI Service. The upgrade will require discontinuance of the existing service and establishment of new service.

.5.2 All applicable installation and Service Charges plus charges applicable to the establishment of ISDN-PRI Service will apply.

.5.3 When a customer elects to discontinue existing service and establish ISDN-PRI Service, any termination liability charges associated with the discontinued service will apply.

.5.4 A temporary interruption of service will occur.

.5.5 The discontinuance of existing service and establishment of new service may incur a change of service arrangement requiring a telephone number change.

.6 Rate Structure

.6.1 Each ISDN-PRI Service consists of three basic elements:
a. PRI Access
b. PRI Facility
c. "B" Channel Attributes

.6.2 The following call connection arrangements are available with ISDN-PRI Service. A customer's ISDN-PRI Service Arrangement may be composed of any combination of the following call connections.

a. Central Office to end-user premises - for consolidation of public and private services over an ISDN-PRI Facility to and from a single customer.

b. Central Office to Central Office - to be utilized for Customized Multiline Telephone Service to Customized Multiline Telephone Service or Customized Multiline Telephone Service to end-user or end-user to end-user configurations, within a single customer's ISDN-PRI Service Arrangement.

c. ISDN-PRI Access to IC Services - to be utilized by a single ISDN-PRI Service Arrangement customer for access to an IC's compatible services. In this situation, an IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate tariff, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.6 Rate Structure (Cont'd)

.6.3 PRI Access

The PRI Access provides the switch termination for the PRI Facility. A PRI Access is required to terminate a PRI Facility in an ISDN-PRI serving central office. PRI Access typically provides twenty-three (23) individual "B" channels and one (1) "D" channel.

.6.4 PRI Facility

The customer has a choice of call connection arrangements as described in 2.6.2 preceding. The rates and charges for the PRI Facility will be based on the selected arrangement and will be comprised of one or a combination of the following rate elements:

a. PRI Digital Access Line, or
b. PRI Digital Transport, or
c. PRI Digital Access Line Plus Digital Transport

.6.5 The PRI Facility utilizes 1.544 high capacity digital transport technology for connection to the designated Telephone Company ISDN-PRI serving central office switch and for connection between ISDN-PRI central offices. This rate element is required for each 23B+D interface. Rates and charges for the PRI Digital Access Line and PRI Digital Transport are those rates for 1.544 Megabit Service specified in other Tariffs of the Company.

.6.6 "B" Channel Configurations

"B" channels can be dedicated to a specific service type or a group of "B" channels can be shared for access to two or more service types. The specific services that are accessible via the "B" channels are listed below. Rates and charges for these accessible services are specified in the appropriate tariff and are in addition to the PRI Facility and PRI Access rates and charges.

a. Direct Inward Dialing Service (DID): Access from the local central office to the exchange network for voice calls is provided via a Network Access plus DID number charges. The switched data and voice calls will be billed at the same rates specified for Switched Data Service in this Catalog.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.6 Rate Structure (Cont'd)

.6.6 "B" Channel Configurations (Cont'd)

b. OutWATS/800 Service: The WATS Access Line charge and the monthly usage charges apply for IntraLATA Outward WATS and 800 Service. These rates are as specified in other Tariffs of the Company.

c. Switched Data Service: Usage charges are applicable on all calls within the same ISDN-PRI Service Arrangement. Usage charges apply for Switched Data Service calls that are considered intra/inter-service arrangement, intra/inter-central office, and local data calling. The applicable usage rates are specified in other Tariffs of the Company.

When Switched Data Service is connected with offerings of other service providers, rates and charges for the generated usage will apply in accordance with other Company tariffs.

d. IC Services: "B" channels may be specified as dedicated to compatible services of an IC or other service provider. The rate for the "B" channel is as specified in 5 following. The rate for the PRI Access is as specified in 5 following. The IC or other service provider will be required to order a 1.544 high capacity digital services facility to the customer's ISDN-PRI serving central office from the appropriate Interstate or Intrastate Access Services Tariff

.6.7 To utilize Call-by-Call access, the customer must specify, at subscription time, the quantities of channels that will be utilized for a specific service (DID, Tie, IC Services, etc.) on the PRI Facility. The customer will be charged for the maximum number of channels specified for those services that are flat rate (Tie, IC, WATS Access Line, etc.) and on a usage basis for those services where usage charges apply (OutWATS/800, Data, etc.).

.6.8 End User charges as specified in the End User Common Access Service Section of Frontier FCC No. 4 apply as appropriate.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

2. Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) (Cont'd)

.6 Rate Structure (Cont'd)

.6.9 Presubscription of a Carrier of Preference is specified in Section 6 of the Tariff, FCC No. 4 and if appropriate, the Intrastate Access Services Tariff. Based on a customer's ISDN-PRI Access Arrangement, a customer may be able to presubscribe to more than one Carrier of Preference.

.6.10 The appropriate Service Charges as shown in other Tariffs of the Company will apply for the PRI Facility rate elements described in 5.2 following. These charges are to be applied in accordance with the specified tariff on a per 1.544 Mbps facility basis, whether rated as PRI Digital Access Line or PRI Digital Transport mileage.

The Network Access Change charge from this tariff, will apply for each "B" channel configuration type (regardless of quantity per service order) on a per ISDN-PRI Service basis.

Database Configuration Charges - Nonrecurring charges for database work will apply on a per service order basis whether the order is an initial or subsequent. These charges are in addition to other nonrecurring charges specified in this Catalog.

PRI Access Database Charge - The PRI Access Database Charge applies when adding or deleting channels on a per ISDN-PRI Service basis. When an ISDN-PRI Service is initially established, one PRI Access Database Charge will apply also.

"B" Channel Database Charge - The "B" Channel Database Charge applies for additions, deletions or modifications of each "B" channel type (regardless of quantity per service order) within each dedicated and/or call-by-call access arrangement. Modifications include activities associated with changing from and/or to dedicated and/or call-by-call configurations.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line

.1 General

.1.1 Integrated Services Digital Network (ISDN) - Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. It is a central office-based service arrangement which provides for local exchange access, interexchange access, business group communications and feature packages.

.1.2 ISDN - Single Line Service is furnished from digital central office equipment located on Company premises and associated facilities.

.1.3 A customer may choose to subscribe to ISDN - Single Line Service from a central office other than his normal serving central office. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the dial tone. Where available, rates and charges will be provided as shown in the Company's Tariffs.

.1.4 ISDN - Single Line Service may be comprised of the following elements:

Channel Configuration
Features
ISDN Access
Single Line Access

.1.5 ISDN - Single Line features will be grouped as follows:

Customized Multiline Telephone Service Series 1000
Customized Multiline Telephone Service Series 2000
Customized Multiline Telephone Service Series 3000
Circuit Switched Data Features
Non- Customized Multiline Telephone Service ISDN Feature Packages
Optional Customized Multiline Telephone Service System Features
Packet Switched Data Features

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.2 Regulations

.2.1 ISDN - Single Line Services under this tariff are available to those subscribers requiring one or two lines.

.2.2 ISDN - Single Line Service is required to conform with the Technical Reference Specifications as used by the Company in the Technical Interface Reference Manual. Refer to Bellcore TR Nos. 393, 394, 397, 471, 793 and ANSI T1.601-620, T1.216-219. ISDN Single Line will be provided where local loops do not exceed 14,000 kilofeet in length or a maximum 34db loss as measured at the customer's premises.

.2.3 Should a change or substitution of Telephone Company operating facilities occur as described in other Tariffs of the Company, the Telephone Company will work cooperatively with the customer relative to the implementation required by the change in operating characteristics.

.2.4 ISDN - Single Line Features are listed in this Section. These features may require customer-provided compatible terminal equipment.

.2.5 Access to the exchange network is provided via a residence one-party or a business one-party line.

.2.6 Directory Listings will be furnished subject to the rates and regulations specified in other Tariffs of the Company.

.2.7 Service charges as specified in other Tariffs of the Company apply in addition to the charges provided in this Catalog.

.2.8 Regulations specified in other Tariffs of the Company are applicable to ISDN - Single Line Service unless otherwise specified elsewhere in this Catalog.

.2.9 A single primary directory number (DN) is included with ISDN - Single Line Service. Secondary directory numbers may be purchased as provided in this Catalog. A shared Primary DN is a primary DN that appears on more than one terminal. A shared Secondary DN is a DN that appears on more than one terminal but is not the primary DN on any of those terminals. A Secondary DN may function as a primary DN on a terminal within a business group.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.3 ISDN - Single Line Features

.3.1 All features may not be available on all types of central offices switches.

.3.2 Basic Service Features: Automatic Identification of Outward Dial (AIOD) Direct Inward Dialing/Direct Outward Dialing (DID/DOD), Distinctive Ring, Station-to-Station Calling (Intercom), Touch Calling, and Incoming Calling Number Identification (within the Business Group).

.3.3 Customized Multiline Telephone Service Feature Package - Series 1000: Provided in Section 8 of this Catalog.

.3.4 Customized Multiline Telephone Service Feature Package - Series 2000: Provided in Section 8 of this Catalog.

.3.5 Customized Multiline Telephone Service Feature Package - Series 3000: Provided in this Catalog.

.3.6 Customized Multiline Telephone Service Optional System Features: Provided in this Catalog.

.3.7 Circuit Switched Data Features:

a. Data 1000 Feature Package includes Data Call Forward, Data Multiline Hunt Group, Data Speed Call 8, and Data Toll Restriction.

b. Data 2000 Feature Package includes Data Call Back, Data Circular Hunting, Data Group Speed Call 30, and Data Speed Call 30 or any combination of Data 1000/Data 2000 features. A single line may not be equipped for both Data Multiline Hunt and Data Circular Hunting.

.3.8 Data Optional Features: Data Closed User Group and Data Direct Connect.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.3 ISDN - Single Line Features

.3.9 ISDN - Single Line Electronic Key Telephone System Features (EKTS): Analog Shared Directory Number on all SM Configurations, Automatic Callback on Busy, Bridging, Call Forwarding, Call Pickup, Conference Calling, Drop, Feature Function Buttons, Feature Inspect, Hold, Intercom Function, Key System Coverage for Analog Lines, Manual Exclusion, Multiple Directory Number Buttons, Shared Call Appearances of Directory Numbers, Speed Calling, Terminal Management, Time and Date Display, Transfer, and Two-Digit Intercom Dialing.

.3.10 ISDN - Single Line Electronic Key Telephone System Deluxe Features: All of the ISDN EKTS Features plus the following: Delayed and Abbreviated Ringing, Display for Ringing Call Appearances Only, Initiated Priority Calling, Inspect for ISDN Terminals, Intercom Alerting, Originating Priority Calling, Outgoing Called Line Identification for ISDN Terminals, and Priority Calling Incoming Only.

.3.11 Packet Switching Features:

a. ISDN X.25 Basic Feature Package includes Flow Control Parameter Negotiation, Incoming Calls Barred, Outgoing Calls Barred, Throughput Class Negotiations, and Transmit Delay Selection and Indication.

b. ISDN X.25 Enhanced Feature Package includes Closed User Group, Fast Select, Fast Select Acceptance, Hunt Groups, One-Way Outgoing Logical Channels, and Permanent Virtual Circuit.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions

.4.1 Standard definitions:

"B" Channel - A 64 Kbps channel primarily used for information transfer (voice/data) from user to user.

Business System - The combination of Single Line Plus ISDN Access forming a complete communications system for a single business group within a single central office.

"D" Channel - A 16 Kbps channel primarily used for signaling messages and/or packet-switched user data. The bit rate is fixed as a function of the interface used.

ISDN - Single Line Capacity (2B+D) - Two 64 kilobits per second (kbps) "B" channels and one 16 kbps "D" channel (2B+D).

Number Identification - A Basic Service Feature which permits incoming calling number identification between ISDN Service and a Customized Multiline Telephone Service System in the same business group or between two or more ISDN Single Lines in the same business group.

Primary Directory Number (DN) - The single telephone number provided with each Single Line.

Secondary DN - A telephone number purchased by the customer which is in addition to the primary DN for an ISDN Single Line.

Terminal - A CPE device connected to an ISDN - Single Line.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features:

a. Definitions of the Customized Multiline Telephone Service Feature Packages and Customized Multiline Telephone Service Optional System Features are provided in other Tariffs of the Company.

b.1 Data 1000 Feature Package:

Data Call Forward - This feature allows a customer to have incoming calls to a station automatically forwarded to a predetermined telephone number. Call Forward consists of three variations as follows: all calls, busy, and no answer.

Data Multiline Hunt Group - Only a pilot directory number is associated with this hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot directory number and ending at the last line.

Data Speed Call 8 - The use of the Speed Call 8 is limited to an individual Switched Data line. Consists of a maximum of eight stored numbers.

Data Toll Restriction - Toll calls attempted from Switched Data lines with this feature are denied.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

a. Definitions of the Customized Multiline Telephone Service Feature Packages and Customized Multiline Telephone Service Optional System Features are provided in other Tariffs of the Company. (Cont'd)

b.2 Data 2000 Feature Package:

Data Call Back - This feature allows a calling party upon encountering a busy line to be notified when the line becomes idle. The call is then automatically established.

Data Circular Hunting - Only a pilot directory number is associated with this hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached.

Data Group Speed Call 30 - This feature provides storage for an abbreviated numbers list which is shared for use by a group of lines. The list may be updated by a service order. A maximum of thirty stored numbers is available.

Data Speed Call 30 - The use of the Speed Call 30 is limited to an individual Switched Data line. Consists of a maximum of thirty stored numbers.

b.3 Data Optional Features

Data Closed User Group - This feature provides the partitioning of Switched Data lines into a group where calls within such a group are allowed but calls between such groups are denied.

Data Direct Connect - This feature provides an automatic connection between a calling line that goes off-hook and a predetermined location.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features:

Analog Shared Directory Number on all SM Configurations - allows analog lines that share directory numbers with ISDN Multi-Button keysets to be assigned to switching modules that do not contain ISDN software.

Automatic Callback on Busy - allows the user to activate this feature by pressing the function button assigned to Automatic Callback on Busy when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the originating EKTS set user. When the set user goes off-hook, the call is placed.

Bridging - allows the EKTS set user to bridge onto a currently active call by pressing the active call appearance button on the EKTS set and going off-hook. This establishes a 3-way call. This is different from standard Threeway Calling because the third party initiates the bridge to the active call. Bridging is inhibited if Manual Exclusion is activated at an EKTS set engaged in the active call. Only one additional shared call appearance user may bridge on an active 2-way call. Bridging is not allowed on an active multiway call.

Call Forwarding - allows the EKTS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Call Pickup - allows the EKTS set user to pick up a call directed to another station in the customer group.

Conference Calling - allows the EKTS set user to set up a conference call. The user presses the button and dials the directory number (DN) of the party to be added to the conference. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected simultaneously.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Drop - feature allows the EKTS set use to drop the last party added to a conference call. For a two-party call, pressing this button disconnects the EKTS set from the call.

Feature Function Buttons - on the EKTS set can be assigned to activate certain features (any that can be activated by dialing an activation code). Indicator lights show the activation or deactivation status of the features. The number of function buttons may vary dependent on the EKTS set design. Some of the features that can be assigned to feature function buttons are:

Automatic Callback on Busy - allows the user to activate this feature by pressing the function button assigned to Automatic Callback on Busy when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the originating EKTS set user. When the set user goes off-hook, the call is placed.

Call Forwarding - allows the EKTS set user to activate Call Forwarding functions, then dial the number to which calls are to be forwarded. Buttons can be programmed to activate different variations of Call Forwarding, such as Forward All Calls, Forward When Busy, etc. Call Forwarding is deactivated by pressing the same button a second time.

Call Pickup - allows the EKTS set user to pick up a call directed to another station in the customer group.

Conference Calling - allows the EKTS set user to set up a conference call. The user presses the button and dials the directory number (DN) of the party to be added to the conference. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected simultaneously.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Feature Function Buttons (Cont'd)

Drop - feature allows the EKTS set user to drop the last party added to a conference call. For a two-party call, pressing this button disconnects the EKTS set from the call.

Hold - allows the EKTS set user to place a call on hold by pressing the function button. Any EKTS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Manual Exclusion - allows a EKTS set user to inhibit other stations from picking up a call on hold or bridging onto a call that is active at that station.

Multiple Directory Number Buttons - provide access to more than one directory number (DN) on the EKTS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.).

Speed Calling - allows the user to dial a preassigned number by pressing the button assigned to speed calling and dialing one or two digits. This feature operates with the Call Transfer, Conference Calling, and Call Forwarding features.

Transfer - allows the EKTS set user to transfer a call to another directory number (DN) in the customer group by pressing the transfer button, dialing the DN, and pressing the button again.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Feature Inspect - provides service providers and end users having display terminals with a method of determining the features and call appearances that are assigned to the buttons on the terminal. This is different from inspect for ISDN terminal feature.

Hold - allows the EKTS set user to place a call on hold by pressing the function button. Any EKTS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Intercom Function - allows the station set to emulate a dedicated wire to another station for priority conversations without tying up the station set from active or incoming calls.

Key System Coverage for Analog Lines - allows an analog station set to share calls with the ISDN station set.

Manual Exclusion - allows an EKTS set user to inhibit other stations from picking up a call on hold or bridging onto a call that is active at that station.

Multiple Directory Number Buttons - provide access to more than one directory number (DN) on the EKTS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.).

Shared Call Appearances of a Directory Number (DN) - allows several EKTS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Terminal Management - provides a management function for the EKTS terminal and, therefore, is mostly transparent. However, the following capabilities impact the user:

Adjunct Control - automatically turns on the speaker phone at the station set, if appropriate for the particular feature.

Automatic Hold/Drop Preference - automatically determines how to handle a call active on one call appearance when the user shifts to another appearance. Two types of treatment are provided: auto-drop and auto-hold.

Button Management - provides generic buttons that can be used for features or call appearances.

Call Appearance Selection for Implicit Conference and Transfer - automatically selects an idle appearance for the Implicit Conference and Transfer features.

Display for Ringing Call Appearances Only - will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared backup coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

Adjunct Control - automatically turns on the speaker phone at the station set, if appropriate for the particular feature.

Automatic Hold/Drop Preference - automatically determines how to handle a call active on one call appearance when the user shifts to another appearance. Two types of treatment are provided: auto-drop and auto-hold.

Button Management - provides generic buttons that can be used for features or call appearances.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Terminal Management (Cont'd)

Call Appearance Selection for Implicit Conference and Transfer - automatically selects an idle appearance for the Implicit Conference and Transfer features.

Display for Ringing Call Appearances Only - will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared backup coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

Feature Button Inspection - provides service providers and end users having display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure: (1) the Inspect Feature button is depressed, and (2) the feature or call appearance button to be inspected is pressed. The feature assigned or, for call appearances, call related information is displayed.

Idle Call Appearance Preference - automatically selects an idle call appearance, if available, when an EKTS set with multiple call appearances goes off-hook. This selection occurs even if other call appearances are alerting the station set.

Inspect for ISDN Terminals - retrieves and displays call-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The data that can be displayed includes: call appearance identification, called or calling directory number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

Ringing Call Appearance Preference - automatically selects the call appearance that has been alerting the longest when the user goes off-hook at an EKTS station set with multiple call appearances being alerted.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.4 ISDN - Single Line Electronic Key Telephone System (EKTS) Features: (Cont'd)

Time and Date Display - is a subscription feature for ISDN attendants and ISDN station set users.

Transfer - allows the EKTS set user to transfer a call to another directory number (DN) in the customer group by pressing the transfer button, dialing the DN, and pressing the button again.

Two-Digit Intercom Dialing - this feature allows a user to have a shortened dialing sequence (two digits) to reach a group of destination numbers in the business group. The maximum size that can reside in that intercom group cannot exceed 100 members.

b.5 ISDN - Single Line Electronic Key Telephone System (EKTS) Deluxe Features:

The features below are in addition to the ISDN - Single Line Electronic Key Telephone System (EKTS) Features described preceding.

Delayed and Abbreviated Ringing - alerts an EKTS set for a predetermined interval before ringing another designated EKTS set.

Display for Ringing Call Appearances Only - will activate displays on a Multi-Button keyset only for ringing call appearances. This eliminates displays that a call coverage person has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared back up coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

Initiated Priority Calling - provides an ISDN equivalent of Dial Call Waiting. A station user initiates a priority call by one of two methods: dialing the initiated priority calling function code or pressing a priority calling feature button, then dialing the digits of the called party.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.5 ISDN - Single Line Electronic Key Telephone System (EKTS) Deluxe Features: (Cont'd)

Inspect for ISDN Terminals - retrieves and displays call-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The data that can be displayed includes: call appearance identification, called or calling directory number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

Intercom Alerting - provides a distinctive ring and/or visual indicator to alert the EKTS set user of an intercom call.

Originating Priority Calling - provides an ISDN equivalent to Call Waiting Originating. When assigned to a particular station set, all calls originated from it are priority calls.

Outgoing Called Line Identification for ISDN Terminals - provides a user originating a call with information about the called party and the facility or destination. Facility and call destination information are provided via the ISDN Call Identification (ICI) call types. The OCLID information provided is:

- Call Appearance Identification
- Called Directory Number (DN)
- ISDN Call Identification (ICI)

If an attendant is originating the call, the switch also provides the originating permissions of the called party. This feature is billed only on a flat-rate basis.

Priority Calling Incoming Only - provides an ISDN equivalent of Call Waiting-Incoming Only. With this feature, calls outside the business group can terminate to a priority call appearance. Terminations to priority appearances use normal intergroup alerting as opposed to priority alerting.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.6 Package Switching Features

(1) ISDN X.25 Basic Feature Package:

X.25 Flow Control Parameter Negotiation - permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred - feature prohibits a data terminal from terminating an incoming call. This feature is activated by a service order.

X.25 Outgoing Calls Barred - feature prohibits a data terminal from originating outgoing virtual calls. This feature is activated by service order.

X.25 Throughput Class Negotiation - feature allows the calling data terminal to request specific throughput classes in the call request package for both directions of data transmission. This feature is activated by service order.

X.25 Transmit Delay Selection and Indication - allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

(2) ISDN X.25 Enhanced Feature Package:

X.25 Closed User Groups - allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. Communication with users who are external to the closed user group is not permitted. The closed user groups are established by a service order. A user can belong to multiple closed user groups.

X.25 Fast Select - allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.4 Definitions (Cont'd)

.4.2 Definition of Features: (Cont'd)

b.6 Package Switching Features (Cont'd)

(2) ISDN X.25 Enhanced Feature Package: (Cont'd)

X.25 Fast Select Acceptance - allows the switch to transmit incoming call packets with the fast select facility to a destination terminal that has this feature.

X.25 Hunt Groups - allow a grouping of access lines such that an incoming packet-switched data call to the hunt group is completed if there is an available logical channel on any of the access lines within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the switch, but the Hunt Group cannot span switches. A basic rate interface within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel - allows an ISDN subscriber to specify some number of the logical channels to be used only for calls that they originate. This feature is activated by service order.

X.25 Permanent Virtual Circuit - feature allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. The permanent virtual circuit is established by a service order.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.5 Conversion

.5.1 A customer with existing Customized Multiline Telephone Service, or other local exchange service offering may select to convert to ISDN - Single Line Service. When an existing Customized Multiline Telephone Service customer orders services in combination, both Single Line Service and Customized Multiline Telephone Service may be grouped together if the facilities provided for all the connections terminate in the same facilities terminal in the same telephone company central office.

.5.2 All applicable installation and Service Charges, plus charges applicable to the establishment of ISDN - Single Line Service will apply.

.5.3 For the purpose of administering termination liability provision applicable to converting Customized Multiline Telephone Service, each Single Line Service line will be counted as a Customized Multiline Telephone Service line in determining the total system size. Should the combined business/customer group decline below the existing system size or should the customer discontinue all existing Customized Multiline Telephone Service lines any and all appropriate termination liability charges will apply.

.5.4 A temporary interruption of service will occur.

.5.5 The conversion may incur a change of service arrangement requiring a telephone number change.

.6 Additional Directory Numbers

.6.1 One "primary" directory number (DN) is provided for the use of an ISDN-Single Line.

.6.2 With ISDN Access, a single terminal may choose to order multiple Secondary directory numbers for the ISDN - Single Line.

.6.3 A maximum of eight (8) terminals belonging to the same customer are permitted per ISDN-Single Line. At a minimum, one secondary directory number is required for each additional terminal.

.6.4 Secondary directory numbers are available as specified in this Catalog.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.7 Payment Schedule

.7.1 ISDN - Single Line Service is offered as a month-to-month payment plan.

.7.2 ISDN - Single Line Service is subject to a one (1) month minimum service period.

.8 ISDN Multipoint Access

.8.1 ISDN Multipoint Access provides support for connecting a maximum of eight (8) terminals, belonging to the same customer, to one ISDN - Single Line (2B+D).

.8.2 A maximum of two (2) terminals will be allowed access to the "B" channels, the remaining terminals on the same ISDN - Single Line will have access to the "D" channel only.

.8.3 All eight terminals can share the same "D" channel simultaneously in a "D" channel packet switching arrangement.

.8.4 ISDN Multipoint Access includes a "primary" directory number. Secondary directory numbers to be used by the multiple users on the same ISDN - Single Line must be ordered by the customer as specified in this Catalog.

.9 Rate Structure

.9.1 ISDN - Single Line Service consists of six (6) basic elements:

"B" Circuit Switched Data Channel (B-CSD)
"B" Packet Switched Data Channel
"B" Voice Channel
"D" Packet Switched Data Channel
ISDN Access
ISDN - Single Line

.9.2 Each ISDN - Single Line Service is comprised of an ISDN-Single Line and ISDN Access element. The channel elements can be arranged to best suit the customer’s needs, not to exceed the maximum 2B+D per ISDN - Single Line capacity.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.9 Rate Structure (Cont'd)

.9.3 Each ISDN Single Line is allowed only one voice, one data and one packet feature package regardless of the number or mix of desired channels.

.9.4 Each ISDN - Single Line within a business group can be individually suited by feature package and channel arrangement.

.9.5 The rates and charges for ISDN Access specified in 5. following provide for the access to the basic exchange network and the line termination.

.9.6 The customer can subscribe to ISDN Access as Voice or Data or a combination of Data and Voice on a single or multi-point service.

.9.7 The rates and charges for Residence or Business one-party as specified in other Tariffs of the Company are required.

.9.8 The "B" Voice Channel element assigns voice traffic to one of two available "B" channels on the ISDN - Single Line.

.9.9 The "B" Circuit Switched Data Channel (B-CSD) assigns circuit switched data traffic to one of two available "B" channels on the ISDN - Single Line. The CSD channel will operate at speeds up to 64 Kbps for intra-business group calling only. When the CSD channel is utilized at the 56 kbps speed, the user is able to place calls within a business group and outside of the business group. Usage rates will only apply for calls to point outside the business group. If the customer desires that both available "B" channels be dedicated to CSD, then two (2) "B"-CSD Channel elements would be required.

.9.10 The "B" Packet Switched Data Channel dedicates a "B" channel to packet switched data. This channel is available for business group calling only. If the customer desires that both available "B" channels be dedicated to packet switched data service, then two (2) "B" Packet Switched Data Channel elements are applicable.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

3. Integrated Services Digital Network (ISDN) - Single Line (Cont'd)

.9 Rate Structure (Cont'd)

.9.11 The "D" Packet Switched Data Channel allows the customer to utilize the "D" channel for packet switched data. This channel is available for business group calling only. A single "D" Packet Switched Data Channel is available independent of the "B" channel configuration.

.9.12 End User charges as specified in the End User Common Access Service Section of Tariff FCC No. 4 apply as appropriate.

.9.13 Presubscription of a Carrier of Preference is specified in Section 6 of the FCC No. 4 Tariff and, if appropriate, the Intrastate Access Services Tariff. All secondary directory numbers will be presubscribed to the same Carrier of Preference as the customer's "primary" directory number. Access to other service providers will be via the 10XXX access code. Each ISDN - Single Line Service may have one Carrier of Preference for voice and one Carrier of Preference for switched data.

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service

.1 General

.1.1 Local Packet Switching Network Service uses packet switching technology to provide a switched data transport service. This service uses analog and digital facilities to provide usage-sensitive data transport for a variety of interactive (or bursty) data applications between two or more customer designated locations.

.1.2 Packet switching technology divides data streams into packets. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. This service is based on Consultative Committee on International Telegraph and Telephony (CCITT) X.25 protocol and the X.75 internetworking protocol. Local Packet Switching Network Service and features are available where facilities and conditions permit.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.2 Access Method

.2.1 Customers may access the Local Packet Switching Network through an ISDN Access.

.2.2 ISDN Access

a. End users may obtain X.25 access to the Local Packet Switching Network through ISDN BRI or ISDN BRI/Single Line service available in this Catalog. Local Packet Switching Network Service will allow ISDN services to transmit packet traffic outside the serving central office business customer group.

b. Public Dial Access - Allows an end user with a public switched telephone line and a modem to access the X.25 packet network. Transmissions speeds will will vary from 300bps to 2400 bps. Tariffed X.25 usage charges will be billed to the termination point.

c. Private Line Access - Allows an end user to subscribe to a private line and directly access the X.25 packet switch. Maximum transmission speed is 64,000bps. Tariffed X.25 usage charges and a monthly recurring port charge will be billed to the termination point.

.2.3 Explanation of Terms

Authorized User - is a person, firm, corporation or other entity authorized to use this service.

Bit - is a binary digit, the smallest unit of information in the binary system of notation.

Customer - is an end user subscriber to the Local Packet Switching Network Service.

Data Circuit Terminating Equipment - is equipment that connects the customer's access channel to the packet network.

Data Terminal Equipment - is the equipment that comprises the data source, the data sink, or both and provides for the communication control function.

ISDN - Integrated Services Digital Network.

Kilosegment - one thousand segments.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.2.3 Explanation of Terms (Cont'd)

Network Address - is the alphanumeric character string used to specify the destination of each switched connection made within the network.

Octet - a group of eight binary digits operated upon as an entity.

Packet - provides a continuous sequence of binary digits (bits) of information that is switched through the network as an integral unit. A packet consists of a maximum of 4,096 bits (512 octets) of user information plus additional transmission and error control information. The user data is divided into segments for billing purposes. The number of segments contained in a packet is dependent upon the packet size.

Packet Switching Office - is the central office where the packet switching functions are performed and access to the packet network is accomplished.

Permanent Virtual Circuit - allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. Will only provide the intra-network Permanent Virtual Circuit.

Port - is an X.25 communications interface at a Packet Switching office through which the customer or authorized user obtains access to the network.

Protocol - is a set of transmission rules for the exchange of data over a communications channel. The X.25 and X.75 Protocols are international standards developed by the CCITT that provide the foundation for Public Packet Switched Networks.

Segment - is a unit of user information consisting of 64 octets or less. Billing for Local Packet Switching Network Service is based on the number of segments transmitted within the user data field of a packet. The number of segments transmitted within a packet is limited only by the subscribed or negotiated maximum size of the user data field for the customer interface.

Virtual Connection - is a logical channel resulting from call establishment to a network address that exists until the call is terminated by either party.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.2.3 Explanation of Terms (Cont'd)

X.25 Protocol - is the interface between Data Terminal Equipment and Data Circuit Terminating Equipment for terminals operating in the packet mode on public data networks.

X.75 Protocol - is the terminal and transit call control procedures and data transfer system on circuits between packet switched data networks.

.3 Feature Definitions

Call Detail - provides billing detail for each packet call placed through the packet network. Call detail is not available on Permanent Virtual calls.

Fast Select - allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets. This feature is available to all customers and is initiated on a call-by-call basis.

Priority - allows a customer to establish a "priority" status to the customer's data as it processes through the network. This feature is available to all customers and is initiated on a call-by-call basis.

.4 Rate Regulations

.4.1 The minimum billing period is one month.

.4.2 The minimum billable unit for usage is one minute per call. Fractional minutes per call will be rounded up to the next whole minute.

.4.3 The minimum billable unit per packet is one segment. Fractional segments per transmission will be rounded up to the next segment.

.4.4 Segments will be accumulated during the month and at billing fractional kilosegments will be billed rounded up to the next whole Kilosegment.

.4.5 All usage will be billed at the rate schedule in effect when the usage occurred.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.4 Rate Regulations (Cont'd)

.4.6 All call attempts and completions will be billable except where calls are blocked or terminated because of network failure or congestion.

.4.7 Rates applicable for ISDN Access are available from this tariff.

.4.8 Rates for usage of the packet network will apply in addition to the monthly recurring charges for ISDN access.

The customer may select either the Transaction Plan, the Basic Plan, the High-Volume Plan, the Permanent Virtual Basic Plan, or the Permanent Virtual High Volume Plan.

Transaction Plan

Usage rates for the Transaction Plan are charged per transaction. A maximum of 15 seconds is allowed for each billable transaction. Usage over 15 seconds will be charged an overtime rate at the rate specified in 15 second increments.

Basic Plan

Basic Plan rates are based on both a per minute of use charge and a per kilosegment charge.

Usage will be rated at the day rate (8:00 a.m. to 5:00 p.m.) for that portion of the call in effect during the day rate period and at the night/holiday rate (after 5:00 p.m. and before 8:00 a.m. and all day on Holidays) for that portion of the call in effect during the night/holiday period. When a call begins in one rate period and ends in another, the rate in effect for each rate period applies to the portion of the message occurring within that rate period.

Local Packet Switching Network Service holidays are as stated in other Tariffs of the Company.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.4 Rate Regulations (Cont'd)

.4.8 Rates for usage of the packet network will apply in addition to the monthly recurring charges for ISDN access. (Cont'd)

High Volume Plan

High Volume rates are based on a per minute of use charge and on incremental usage.

Per minute of use charges will be rated at the day rate (8:00 a.m. to 5:00 p.m.) for that portion of the call-in effect during the day rate period and at the night/holiday rate (after 5:00 p.m. and before 8:00 a.m. and all day on Holidays) for that portion of the call-in effect during the night/holiday period. When a call begins in one rate period and ends in another, the rate in effect for each rate period applies to the portion of the message occurring within that rate period.

Incremental usage charges will apply as noted below. Day/night/holiday rates do not apply to the incremental usage charges.

Kilosegment

0001 - 2000
2001 - 4000
4001 - 6000
6001 and over

Permanent Virtual Circuit Plans

ISDN customers with Permanent Virtual Circuits may select either the Permanent Virtual Basic Plan or the Permanent Virtual High-Volume Plan. These rates apply in addition to the monthly recurring charges for Permanent Virtual Circuits in other Tariffs of the Company.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

4. Integrated Services Digital Network (ISDN) - Local Packet Switching Network Service (Cont'd)

.4 Rate Regulations (Cont'd)

.4.8 Rates for usage of the packet network will apply in addition to the monthly recurring charges for ISDN access. (Cont'd)

Permanent Virtual Basic Plan rates are based on a per kilosegment charge. No per minute of use charges apply.

Usage will be rated at the day rate (8:00 a.m. to 5:00 p.m.) for that portion of the call-in effect during the day rate period and at the night/holiday rate (after 5:00 p.m. and before 8:00 a.m. and all day on Holidays) for that portion of the call in effect during the night/holiday period. When a call begins in one rate period and ends in another, the rate in effect for each rate period applies to the portion of the message occurring within that rate period. Local Packet Switching Network Service holidays are as stated in other Tariffs of the Company.

Permanent Virtual High-Volume Plan rates are based on incremental usage as noted below. No per minute of use charges apply. Day/Night/Holiday rates do not apply.

Kilosegment
0001 - 2000
2001 - 4000
4001 - 6000
6001 and over

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN)

.1 Rates and Charges - Basic Rate Interface

.1.1 Nonrecurring Charges

a. The following nonrecurring charge is in addition to any applicable service charges as described in other Tariffs of the Company, and/or installation provided for in other sections of this Catalog.

	Nonrecurring Charge
b. Data Base Changes [1]	
b.1 Major Software Additions Per Hour or Fraction Thereof	$50.00
(1) Add Customized Dialing Plan (2) Add Customer Requested Data Base Profile	
b.2 Routine Software Change [1] Per Hour or Fraction Thereof	$50.00
(1) Change Trunk Group (2) Change Non-Data-Link Attendant (3) Change Custom Recording (4) Change ARS Translations (5) Change Translations Tables	

[1] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.1 Rates and Charges - Basic Rate Interface (Cont'd)

.1.1 Nonrecurring Charges (Cont'd)

a. (Cont'd)

	Nonrecurring Charge
b. Data Base Changes [1] (Cont'd)	
b.3 Minor Software Change	$50.00
(1) Change Subgroup	
(2) Hunt Groups	
(3) ACD Hunt Group	
(4) Simulated Facility Group	
(5) Queuing Groups	
(6) Night Answer (UNA/PNA)	
(7) Paging/Public Address/Code Calling	
(8) Conference Calling - 8, 16, 24 Ports	
(9) Remote Access Directory Number	
(10) Authorization Code Validation	
(11) Music on Hold Access	
(12) Dictation Link Access	
(13) Standard Recording	
(14) Extended Pick Up Code	
(15) Executive Busy Override	
(16) Multi-Level Restriction	
c. Software Reconfiguration Charge	$50.00

This charge applies for changes, deletions, additions for the following activities. The rate will apply on a per line, per service order basis regardless of the mix of activities. A Data Base Change Charge and a Software Reconfiguration Charge may be applicable on the same service order.

Feature Packages
Features Within a Feature Package
Programmable Buttons
Terminals

[1] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.1 Rates and Charges - Basic Rate Interface (Cont'd)

.1.2 Recurring Charges

a. The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's tariffs.

	ISDN Access Monthly Rate	ISDN Multi-point Access Monthly Rate
a.1 Per Access Line - Note 1		
3 - 5 Lines	$22.50	$24.50
6 - 25 Lines	$22.00	$24.00
26 - 50 Lines	$21.50	$23.50
51 - 100 Lines	$21.00	$23.00
101 - 250 Lines	$20.50	$22.50
251 - 500 Lines	$20.00	$22.00

Note 1: May be used for Voice or Data or a combination of Data and Voice on a single or multipoint service.

	Monthly Rate
a.2 For an ISDN - Basic Rate Interface Line Capacity (2B+D), the following channel elements apply per each channel so arranged:	
B-CSD Channel, each (Note 1)	$8.00
B-Voice Only Channel, each	$2.00
B-Packet Switched Data Channel, each	$100.00
D-Packet Switched Data Channel, each	$13.00

a.3 The following Feature Series rates apply per Basic Rate Interface Line.

Feature Series 1000, per line	Note 2
Feature Series 2000, per line	Note 2
Feature Series 3000, per line	Note 2
Optional System Features	Note 2

Note 1: Usage charges shown in this Catalog for Digital Channel Service will apply.
Note 2: Apply appropriate rates and charges as specified in this Catalog for Customized Multiline Telephone Service Feature Series.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.1 Rates and Charges - Basic Rate Interface (Cont'd)

.1.2 Recurring Charges (Cont'd)

a. The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's tariffs. (cont'd)

a.3 The following Feature Series rates apply per Basic Rate Interface Line. (Cont'd)

	Nonrecurring Charge	Monthly Rate
EKTS Features, per line	$25.00	$6.00
EKTS Deluxe Features, per line	$25.00	$8.00
X.25 Enhanced Features, per line	$15.00	$5.00
Data 1000, per line	$15.00	$3.00
Data 2000, per line	$15.00	$5.00
a.4 Optional Data Features		
Data Direct Connect, per line	-	$1.00
Data Closed User Group, per line	-	$1.00
a.5 Secondary Directory Number, per line	-	$0.50
A.6 ISDN Individual Line [1]		
Loop Extension, per line	$55.00	$22.50

[1] The rate and charges for ISDN Individual Line Loop Extension apply in addition to all other rates and charges for ISDN Basic Rate Interface Service.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.2 Rates and Charges - Primary Rate Interface

The following rates and charges are in addition to all other rates and charges that may be applicable for accessible services which operate in conjunction with ISDN-PRI Service.

		Monthly Rate	Nonrecurring Charge
.2.1	PRI Access, per C.O. Termination so arranged, with a maximum of twenty-three B and one D channel, per line	$475.00	$200.00
.2.2	PRI Facility		
	PRI Digital Access Line		
	First Airline Mile	[1]	[1]
	Each Additional 1/4 Airline	[1]	[1]
	PRI Digital Transport		
	Each Airline Mile or Fraction Thereof	[1]	
.2.3	"B" Channel Configurations		
	DID	[2]	
	OutWATS/800	[3]	
	Switched Data	[4]	
	IC Services Channel, per channel	$20.00	
	Tie Channel	$5.00	
.2.4	Database Configuration		
	PRI Access, per Circuit establishment		$200.00
	"B" Channel Attributes, per Service Type		$200.00
	IXC Channel establishment		$1,200.00

[1] The appropriate charges are the nonrecurring and monthly recurring charges for the 1.544 Mbps facility and transport mileage as specified in other Tariffs of the Company. The appropriate charges are the monthly usage rates.

[2] The applicable rates and charges for the DID service are as specified in other Tariffs of the Company. The appropriate charges are the Network Access for voice only and the DID number charges.

[3] The applicable rates and charges for the OutWATS/800 accessible service is as specified in other Tariffs of the Company. The appropriate charges are the monthly WATS Access line and the usage charges.

[4] The regulations for the Switched Data accessible service are as specified in this Catalog. The appropriate charges are the monthly usage rates.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.2 Rates and Charges - Primary Rate Interface (Cont'd)

The following rates and charges are in addition to all other rates and charges that may be applicable for accessible services which operate in conjunction with ISDN-PRI Service. (Cont'd)

.3 Rates and Charges - Single Line

.3.1 Nonrecurring Charges

a. The following nonrecurring charge is in addition to any applicable service charges as described in other Tariffs of the Company, and/or installation provided for in other sections of this Catalog.

	Nonrecurring Charge
b. Data Base Changes [1]	
b.1 Major Software Additions	$50.00
(1) Add Customized Dialing Plan (2) Add Customer Requested Data Base Profile	
b.2 Routine Software Change	50.00
(1) Change Trunk Group (2) Change Non-Data-Link Attendant (3) Change Custom Recording (4) Change ARS Translations (5) Change Translations Tables	

[1] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.3 Rates and Charges - Single Line (Cont'd)

.3.1 Nonrecurring Charges (Cont'd)

b. Data Base Changes [1] (Cont'd)

	Nonrecurring Charge
b.3 Minor Software Change	$50.00
(1) Change Subgroup	
(2) Hunt Groups	
(3) ACD Hunt Group	
(4) Simulated Facility Group	
(5) Queuing Groups	
(6) Night Answer (UNA/PNA)	
(7) Paging/Public Address/Code Calling	
(8) Conference Calling - 8, 16, 24 Ports	
(9) Remote Access Directory Number	
(10) Authorization Code Validation	
(11) Music On Hold Access	
(12) Dictation Link Access	
(13) Standard Recording	
(14) Extended Pick Up Code	
(15) Executive Busy Override	
(16) Multi-Level Restriction	

c. Software Reconfiguration Charge $50.00

This charge applies for changes, deletions, additions for the following activities. The rate will apply on a per line, per service order basis regardless of the mix of activities. A Data Base Change Charge and a Software Reconfiguration Charge may be applicable on the same service order.

c.1 Feature Packages
c.2 Features Within a Feature Package
c.3 Programmable Buttons
c.4 Terminals

[1] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.3 Rates and Charges - Single Line (Cont'd)

.3.2 Recurring Charges

a. The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's tariffs.

	Monthly Rate	
	ISDN	Multi-Point Access
a.1 Per Access Line [1, 2]		
1 or 2 Lines	$16.50	$18.50
Residence Single Line, each	[3]	
Business Single Line, each	[3]	

	Monthly Rate
a.2 For an ISDN – Single Line Capacity (2B+D), the following channel elements apply per each channel so arranged:	
B-CSD Channel, each [4]	$7.75
B-Voice Only Channel, each	$1.75
B-Packet Switched Data Channel, each	$100.00
D-Packet Switched Data Channel, each	$13.00

a.3 The following Feature Series rates apply per Single Line

Feature Series 1000, per line	[3]
Feature Series 2000, per line	[3]
Feature Series 3000, per line	[3]
Optional System	[3]

[1] May be used for Voice or Data or a combination of Data and Voice on a single or multipoint service.
[2] Available to customers requiring no more than two lines.
[3] Apply appropriate rates as specified in other Tariffs of the Company for the main station line charge.
[4] Usage charges shown in Switched Data Service of this Catalog apply for B-CSD Channel Services.

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.3 Rates and Charges - Single Line (Cont'd)

.3.2 Recurring Charges (Cont'd)

a. (Cont'd)

a.3 The following Feature Series rates apply per Basic Rate Interface Line. (Cont'd)

	Monthly Charge	Rate
EKTS Features, per line	$25.00	$6.00
EKTS Deluxe Features, per line	$25.00	$8.00
X.25 Enhanced Features, per line	$15.00	$5.00
Data 1000, per line	$15.00	$3.00
Data 2000, per line	$15.00	$5.00
a.4 Optional Data Features		
Data Direct Connect, per line	-	$1.00
Data Closed User Group, per line	-	$1.00
a.5 Secondary Directory Number, per line	-	$0.50
a.6 ISDN Individual Line Loop Extension, per line	$50.00	$17.50

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.4 Rates and Charges - Local Packet Switching Network Service

.4.1 ISDN X.25 Access

See rates in Paragraph 5.1.2a.2 (B-Packet or D-Packet)

Public Dial Access - Reference Paragraph 5.2 preceding

Private Line Access	Nonrecurring Charge	Monthly Rate
	$80.00	$30.00
		$30.00
		$30.00
		$30.00
		$30.00

.4.2 Usage Plans

	Rate per Transaction
a. Transaction Plan	
- Transaction charge	$0.010
- Overtime charge	$0.010

	Rate per Minute	Rate per Kilosegment
b. Basic Plan		
- Day	$0.015	$0.300
- Night/Holiday	$0.005	$0.200
c. High Volume Plan		
- Day	$0.015	[1]
- Night/Holiday	$0.005	[1]

Kilosegment [1]	
0001 - 2000	$0.300
2001 - 4000	$0.270
4001 - 6000	$0.230
6001 and over	$0.180

GRANDFATHERED SERVICES

DIGITAL NETWORK SERVICES (Cont'd)

5. Integrated Services Digital Network (ISDN) (Cont'd)

.4 Rates and Charges - Local Packet Switching Network Service (Cont'd)

.4.2 Usage Plans (Cont'd)

	Rate per Kilosegment
d. Permanent Virtual Circuit Plans	
d.1 Basic	
- Day	$0.600
- Night/Holiday	$0.400
d.2 High Volume Plan	
Kilosegment	
0001 - 2000	$0.600
2001 - 4000	$0.500
4001 - 6000	$0.400
6001 and over	$0.300

.4.3 Features

	Monthly Rate	Rate per Virtual Connection	Rate per Kilosegment
a. Call Detail			
- 1 to 49 lines	$25.00	-	-
- Over 49 lines	$50.00	-	-
b. Fast Select	-	$0.001	-
c. Priority	-	-	$0.35

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE

A. General

Contel Enhanced Business System - II Service is a fully integrated digital communication system designed to serve business customers. This offering is a Central Office service which is an alternative to customer PBX, Multifunction and Key systems.

B. Rates

1. The rates set forth below are for switching equipment located in the Company's central office; station equipment is located at the designated customer location(s).

2. Contel Enhanced Business System - II Access Rates:

   a. In addition to rates as specified below, individual access line rates for LOCAL EXCHANGE SERVICE, as shown in other Tariffs of the Company, apply.

   b. The Federal Subscriber Line Charge (End User Charge) applies to both the local exchange individual access lines as well as Contel Enhanced Business System II Intragroup Calling Lines and is in addition to the rates described below.

3. Intragroup Calling Services (lines not designated as outside access lines).

   Intragroup Calling Service lines provide communication paths for intra customer callings.

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

B. Rates (Cont'd)

3. Intragroup Calling Services (lines not designated as outside access lines). (Cont'd)

INTRAGROUP CALLING SERVICE MONTHLY RATES PER LINE

3 YEAR TERMINATION AGREEMENT REQUIRED FOR

100 LINES OR MORE

Distance from Central Office (Miles)

# Lines	S & E Code	.5	S & E Code	1.0	S & E Code	1.5	S & E Code	2.0
1 - 99	IT01	$8.50	IT02	$14.65	IT03	$20.80	IT04	$26.90
100 - 149	IT05	7.20	IT06	12.00	IT07	16.85	IT08	21.70
150 - 199	IT09	6.00	IT10	9.65	IT11	13.30	IT12	16.90
200 - 299	IT13	5.35	IT14	8.35	IT15	11.35	IT16	14.35
300 - 399	IT17	4.75	IT18	7.15	IT19	9.55	IT20	11.95
400 - 599	IT21	4.45	IT22	6.60	IT23	8.70	IT24	10.80
600 - 899	IT25	4.30	IT26	6.30	IT27	8.25	IT28	10.20
900 - 1199	IT29	4.05	IT30	5.75	IT31	7.45	IT32	9.15

INTRAGROUP CALLING SERVICE MONTHLY RATES PER LINE
5 YEAR TERMINATION AGREEMENT REQUIRED
Distance from Central Office (Miles)

# Lines	S & E Code	.5	S & E Code	1.0	S & E Code	1.5	S & E Code	2.0
100 - 149	IT33	$5.85	IT34	$9.65	IT35	$13.40	IT36	$17.20
150 - 199	IT37	4.95	IT38	7.75	IT39	10.60	IT40	13.45
200 - 299	IT41	4.45	IT42	6.75	IT43	9.10	IT44	11.45
300 - 399	IT45	3.95	IT46	5.85	IT47	7.70	IT48	9.55
400 - 599	IT49	3.75	IT50	5.40	IT51	7.05	IT52	8.70
600 - 899	IT53	3.60	IT54	5.15	IT55	6.70	IT56	8.70
900 - 1199	IT57	3.40	IT58	4.75	IT59	6.05	IT60	7.40

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

B. Rates (Cont'd)

3. Intragroup Calling Services (Cont'd)

INTRAGROUP CALLING SERVICE MONTHLY RATES PER LINE
7 YEAR TERMINATION AGREEMENT REQUIRED
Distance from Central Office (Miles)

# Lines	S & E Code	.5	S & E Code	1.0	S & E Code	1.5	S & E Code	2.0
100 - 149	IT61	$5.30	IT62	$8.65	IT63	$12.00	IT64	$15.35
150 - 199	IT65	4.50	IT66	7.00	IT67	9.55	IT68	12.05
200 - 299	IT69	4.05	IT70	6.15	IT71	8.20	IT72	10.30
300 - 399	IT73	3.65	IT74	5.30	IT75	6.95	IT76	8.60
400 - 599	IT77	3.45	IT78	4.90	IT79	6.35	IT80	7.85
600 - 899	IT81	3.35	IT82	4.70	IT83	6.05	IT84	7.40
900 - 1199	IT85	3.15	IT86	4.30	IT87	5.50	IT88	6.65

Conditions to Intragroup Calling Rates

a. Rates available only if customer subscribes to Virtual Facility Group (VFG) Service requiring customer(s) to have access line(s).

b. A termination agreement is required for 100 lines or more.

c. Service offering is limited to availability of Company facilities and construction requirements.

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

B. Rates (Cont'd)

4. Installation and/or change charges are applicable as set forth in other Tariffs of the Company - SERVICE CHARGES. All service and feature rates listed below are per line, per month.

5. Basic Features

		Monthly Rate
Contel Enhanced Business Service - II Access Lines and Intragroup Calling Service Lines		
a.	Lines 1 - 49, each	$3.50
b.	Lines 50 to 74, additional	$3.25
c.	Lines 75 and up, additional	$3.00

6. Enhanced Services & Features

a.	Enhanced Business Service	$2.00
b.	Station Message Detail Recording (SMDR)	$1.75
c.	Enhanced Station Message Detail Recording (SMDR) (Basic SMDR Features Included)	$2.50
d.	Automatic Route Selection (ARS)	$1.75
e.	Business Set (excludes Customer Premise equipment)	$2.00
f.	Datapath - Basic	$4.00
g.	Hospital Call I.D.	$0.50
h.	Console Alerting	$0.50
i.	Electronic Switched Network - Basic (ESN)	4.50
j.	Cut-Thru Dialing	$0.50
k.	Virtual Facility Group (VFG) Feature (per Business Line)	$1.00
l.	Large Conference	Negotiated

Basic feature rates are applicable for both Contel Enhanced Business Service - II access lines and Intragroup Calling Service lines.

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

C. Conditions

1. If equipment is provided by the customer, it must be compatible with the services and equipment provided by the Company.

2. Contel Enhanced Business System - II Service is only offered within the digital complexes of DeKalb, Sycamore, Freeport and Mascoutah.

3. Service area is limited to manufacturer's equipment specifications.

4. The minimum charge for service provided under this tariff shall be one month.

5. The customer may choose one of three plans requiring either a three-year, five year or seven-year termination agreement at the rates stated in this Section.

6. The Company will furnish one alphabetical and one classified directory listing without charge per system. Additional listings will be offered subject to the provisions outlined in other Tariffs of the Company, GENERAL SERVICES, or may be provided free if in the judgement of the Company such listings will improve service to the public, reduce Company operating costs, or both.

7. Extended Area Service (EAS) is provided with this Service in the event the customer's Central Office Exchange has EAS.

8. Destination Service may be provided with this Service.

9. Measured Service may be provided with this Service in the event the customer's Central Office Exchange has Measured Service. Rates will be established as each Central Office is equipped to provide this service.

10. Rates for this Service over 1200 lines or greater than 2 miles from the Central Office will be provided under specific contract/agreement subject to other Tariffs of the Company.

11. Intragroup Calling Service applies to all lines not designated as outside access lines.

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

C. Conditions (Cont'd)

12. Subscribers to Contel Enhanced Business System - II will be required to have a minimum number of outside access lines based upon the total number of service lines subscribed to per the table below.

Total Number of Contel Enhanced Business System II - Lines Subscribed to	Minimum Number of Outside Access Lines
1 - 3	1
4 - 5	2
6 - 7	3
8 - 9	4
10 - 11	5
12 - 15	6
16 - 21	7
22 - 28	8
29 - 36	9
37 - 45	10
46 - 54	11
55 - 64	12
65 - 75	13

Total Number of Contel Enhanced Business System II - Lines Subscribed to	Minimum Number of Outside Access Lines
76 - 86	14
87 - 98	15
99 - 111	16
112 - 125	17
126 - 139	18
140 - 155	19
156 - 171	20
172 - 189	21

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

C. Conditions (Cont'd)

12. (Cont'd)

Total Number of Contel Enhanced Business System II - Lines Subscribed to	Minimum Number of Outside Access Lines
190 - 207	22
208 - 225	23
226 - 243	24
244 - 262	25
263 - 281	26
Each additional 19 lines or fraction thereof	1 additional line

D. Explanation of Terms

1. Primary Service Location - The continuous property designated by the customer as the primary location and/or at which the attendant's console position may be located.

2. Secondary Service Location - Each different premises of the same customer, not within the primary location, served by one or more stations of the same system. Stations in secondary locations may be served by primary or satellite switching equipment and may be provided at secondary locations where it is more economical than extending lines from the primary switching equipment.

E. Basic Service Features

1. Basic Service is available with the following:

a. ATTENDANT FEATURES

ACCESS TO PAGING
CALL PARK RECALL TIMER
CALL SELECTION
CAMP-ON
ATTENDANT CONFERENCE (Maximum Six Conferees)
CONSOLE DISPLAY
CONTROL OF TRUNK GROUP ACCESS
LOCKED LOOP OPERATION
RELEASE UPON COMPLETION OF DIALING
SPEED CALLING

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

E. Basic Service Features (Cont'd)

1. Basic Service is available with the following: (Cont'd)

a. ATTENDANT FEATURES (Cont'd)

RECORDED ANNOUNCEMENT
TRANSFER
AUTOMATIC RECALL
BUSY VERIFICATION
Stations and Trunks
CALL HOLD
CALL PARK
CODE CALLING LINE TERMINATION
CONSOLE TEST
DELAYED OPERATION
INTERPOSITION CALLS AND TRANSFERS
LOCKOUT
MAINTENANCE & ADMINISTRATION POSITION (MAP) Display For Attendant Operational Measurements
MULTIPLE CONSOLE OPERATION
MULTIPLE LISTED DIRECTORY NUMBERS
POSITION BUSY
SECRECY
SERIAL CALL
STRAIGHTFORWARD OUTWARD COMPLETION
SUPERVISORY CONSOLE (Basic)
SWITCHED LOOP OPERATION
TRUNK GROUP BUSY/Trunk Group Access Control Through Special Keys
THROUGH DIALING
TIMED RECALL SET TO ZERO
TROUBLE KEY ON SYSTEM-II CONSOLE
TRUNK GROUP BUSY INDICATION
2-WAY SPLITTING
UNIFORM CALL DISTRIBUTION From Queue
WILD CARD KEY

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

E. Basic Service Features (Cont'd)

1. Basic Service is available with the following: (Cont'd)

b. SERVICES

ACCESS
- Common Control Switching Arrangement (CCSA) E&M Types I & II
- CO From PBX
- Enhanced Private Switched Communication Service (EPSCS)
- Electronic Tandem Network (ETN)
- Special Service Facilities

ATTENDANT SERVICE
- Local Consoles
- Remote Consoles

ATTENDANT SERVICE (Centralized, Limited to Host and Remote Line Equipment)

CLASS-OF-SERVICE RESTRICTIONS
- Fully Restricted Service
- Semirestricted Service
- Toll Restricted Service
- Unrestricted Service

CODE CALL ACCESS
CODE RESTRICTIONS
DATA CALL PROTECTIONS
DATA PULSE CONVERSION
DIAL TONE UPON TRUNK SEIZURE
DICTATION ACCESS & CONTROL (DTMF only)
DIRECT INWARD DIALING (DID)
DIRECT OUTWARD DIALING (DOD)
END-TO-END SIGNALING

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

E. Basic Service Features (Cont'd)

1. Basic Service is available with the following: (Cont'd)

b. SERVICES (Cont'd)

FLEXIBLE INTERCEPT
FOREIGN EXCHANGE (FX) Line - Analog
FOREIGN EXCHANGE (FX) Trunk, Digital 2-Way
HUNTING
INCREASE IN NUMBER OF CUSTOMER GROUPS
INDIVIDUAL LINE BUSINESS SERVICE - PBX APPLICATION
LOUDSPEAKER TO RADIO PAGING ACCESS

LOUDSPEAKER PAGING - LINE TERMINATION
MULTICUSTOMER OPERATION
NIGHT SERVICE
Fixed
Flexible
Trunk Answer from Any Station (TAFAS)
OFF-PREMISES STATIONS AND EXTENSIONS
OPERATIONAL MEASUREMENTS
OUTPULSING TO LOCAL EXCHANGE SERVICE TRUNKS
QUANTITY CONTROL (100 LINES)
SERVICE ORDER SYSTEM
SIMPLIFIED DIALING
SIX-PORT CONFERENCE CIRCUIT USE CONTROL
STATION-TO-STATION CALLING
TANDEM SWITCHING OF SPECIAL SERVICE CIRCUITS (sensorized Operation)
UNIFORM NUMBERING PLAN CAPABILITY

COMPETITIVE SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

E. Basic Service Features (Cont'd)

1. Basic Service is available with the following: (Cont'd)

c. STATION FEATURES

AUTOMATIC LINE
CALL FORWARD
- All Calls
- Busy
- No Answer

CALL HOLD
CALL PICKUP
CALL TRANSFER ENHANCEMENT
CALL WAITING
CONSULTATION HOLD
MEET-ME CONFERENCE
RING AGAIN
SPEED CALLING (ONE 8 AND ONE 30 PER STATION MAXIMUM)
- Individual - 8
- Individual - 30
- Group - 30

STATION ACCESS TO PAGING
STATION CALL PARK
STATION CODE CALL ACCESS
STATION CONTROLLED CONFERENCE (SIX PORTS MAXIMUM)
3-WAY CONFERENCE/TRANSFER
- 3-Way Conference
- Call Transfer of Incoming Calls
- Call Transfer of Outgoing Calls
- Call Transfer of All Calls

GRANDFATHERED SERVICES

CONTEL ENHANCED BUSINESS SYSTEM - II SERVICE (Cont'd)

F. Enhanced Services and Features - OPTIONAL

ENHANCED BUSINESS SERVICE

Features

Dual Tone Multifrequency (DTMF) Outpulsing On A Line
Flexible Console Alerting

Services

Audio Input on Incoming Calls in Queue (Attendant and Uniform Call Distribution)
Distinctive Ring
Executive Busy Override (EBO)
Intergroup Calling
Overlap Outpulsing
Uniform Call Distribution (UCD)

STATION MESSAGE DETAIL RECORDING (SMDR)
STATION MESSAGE DETAIL RECORDING (SMDR) ENHANCED
AUTOMATIC ROUTE SELECTION
HOSPITAL COMMUNICATIONS
LARGE CONFERENCE
VIRTUAL FACILITY GROUPS
CONSOLE ALERTING
ELECTRONIC SWITCHED NETWORK - ESN
NETWORK SPEED CALLING (Offered only with ESN Service)
TIME-OF-DAY ROUTING (Offered only with ESN Service)
TIME-OF-DAY NETWORK CLASS OF SERVICE (NCOS) (Offered only with ESN Service)
CUT-THRU DIALING
DATAPATH - BASIC
BUSINESS SET

Additional descriptions and limitations of the enhanced services and features listed above is maintained in the Company's service office.

GRANDFATHERED SERVICES

1. DISCOUNT CALLING SERVICE PLANS

.1 General

.1.1 Discount Calling Service Plans is an optional intrastate intraMSA Message Toll Telephone Service offered to Frontier North Incorporated business and residence exchange service customers where Frontier has been designated the Primary Toll Carrier (4, 5, 10, 11, 12, 14 and 17).

.1.2 The service provides an alternate rate treatment for Message Toll Telephone Service calls to exchanges within the customer's designated MSA. It is offered in three individually priced packages, Plan I, Plan II, and Plan III. The service is applicable to station-to-station and person-to-person calls.

.1.3 The service is provided with discounted call detail.

.1.4 The minimum contract period for each Discount Calling Service Plans is one month. A customer may only subscribe to one plan, per account, at any given time.

.1.5 The service is not offered in connection with coin telephone service.

.1.6 This service is furnished subject to the General Regulations found in other Tariffs of the Company.

.1.7 The method of applying rates for Discount Calling Service Plans is as set forth following.

.1.8 The application of usage rates and timing of messages is as set forth in other Tariffs of the Company.

.1.9 Service Charges are as set forth in other Tariffs of the Company.

.2 Rates and Charges

.2.1 Service Charges as shown below are applicable for establishment of, or changes in, Discount Calling Service Plans:

Subsequent Service Charge as shown in other Tariffs of the Company.

GRANDFATHERED SERVICES

1. DISCOUNT CALLING SERVICE PLANS (Cont'd)

.2 Rates and Charges (Cont'd)

.2.2 Discount Calling Plan I - Rate Schedule

a. Monthly Recurring Charge $5.00

b. Table of Initial Period and Additional Minute Rates

Distance Band	Initial Minute Rates Peak	Off-Peak
1 – 10	$ .0425	$ .0238
11 – 16	.0544	.0306
17 – 40	.1046	.0587
41 - and over	.1046	.0587

Distance Band	Additional Minute Rates Peak	Off-Peak
1 – 10	$ .0425	$ .0238
11 – 16	.0544	.0306
17 – 40	.1046	.0587
41 - and over	.1046	.0587

c. Rate Periods - See Paragraph 1.2.5

GRANDFATHERED SERVICES

1. DISCOUNT CALLING SERVICE PLANS (Cont'd)

.2 Rates and Charges (Cont'd)

.2.3 Discount Calling Plan II - Rate Schedule

a. Monthly Recurring Charge $20.00

b. Table of Initial Period and Additional Minute Rates

Distance Band	Initial Minute Rates Peak	Off-Peak
1 – 10	$ .0375	$ .0210
11 – 16	.0480	.0270
17 – 40	.0923	.0518
41 - and over	.0923	.0518

Distance Band	Additional Minute Rates Peak	Off-Peak
1 – 10	$ .0375	$ .0210
11 – 16	.0480	.0270
17 – 40	.0923	.0518
41 - and over	.0923	.0518

c. Rate Periods - See Paragraph 1.2.5

GRANDFATHERED SERVICES

1. DISCOUNT CALLING SERVICE PLANS (Cont'd)

.2 Rates and Charges (Cont'd)

.2.4 Discount Calling Plan III - Rate Schedule

a. Monthly Recurring Charge $40.00

b. Table of Initial Period and Additional Minute Rates

Distance Band	Initial Minute Rates Peak	Off-Peak
1 – 10	$ .0350	$ .0196
11 – 16	.0448	.0252
17 – 40	.0861	.0483
41 - and over	.0861	.0483

Distance Band	Additional Minute Rates Peak	Off-Peak
1 – 10	$ .0350	$ .0196
11 – 16	.0448	.0252
17 – 40	.0861	.0483
41 - and over	.0861	.0483

c. Rate Periods - See Paragraph 1.2.5

.2.5 Rate Periods

1. Peak rates apply from 7:00 a.m. to and including 6:59 p.m., Monday through Friday Off-Peak rates apply during all other time periods, including Saturdays, Sundays and the holidays listed in this Catalog.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE

1. GENERAL

.1 Customized Multiline Telephone Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. It is a central office based service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, intra-system communication and Customized Multiline Telephone Service feature packages as set forth in Paragraph 1.3 following. A system may not be provided for stand alone service only and access to the Company's Exchange Network must be provided by the Company.

.2 If remote units are required to provide switching capabilities for intra-communication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Customized Multiline Telephone Service are provided by and remain the property of the Company.

.3 Customized Multiline Telephone Service offers Feature Packages 1000, 2000 or 3000 shown below at rates and charges set forth in Paragraph 4. Feature capabilities may vary depending on the type of host central office equipment.

.3.1 Features provided via Customized Multiline Telephone Service from host central office interface equipment and software include:

Basic Customized Multiline Telephone Service: Automatic Identification of Outward Dial (AIOD), Direct Inward Dialing, Direct Outward Dialing, Distinctive Ring, Station-to-Station Calling, and Touch Calling.

Feature Package 1000 - Call Alternation, Call Forwarding, Call Hold, Call Pick Up-Direct, Call Pick Up-Extended, Call Pick Up-Group, Call Waiting/Cancel, Call Waiting Originating, Call Waiting Terminating, Call Transfer, Consultation Hold, Directory Number Hunting, Hunting (Pilot Number), Hunting (Secretarial), Speed Calling 6 (Individual), Speed Call 8 (Individual), Station Restriction, *66 Busy Number Redial, 3 Way Calling, and Toll Restriction.

Feature Package 2000 - Customized Multiline Telephone Service Feature Package 1000 plus the following features: Automatic Callback, Call Park (Multiple), Circular Hunting, Data Line Security, Multiple Classes of Service, Saved Number Redial, Speed Call 30 (Group/Shared) and Uniform Call Distribution (UCD) Hunting.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

.3.1 Features provided via Customized Multiline Telephone Service from host central office interface equipment and software include: (Cont'd)

Basic Customized Multiline Telephone Service: Automatic Identification of Outward Dial (AIOD), Direct Inward Dialing, Direct Outward Dialing, Distinctive Ring, Station-to-Station Calling, and Touch Calling.

Feature Package 3000 - Customized Multiline Telephone Service Feature Packages 1000 and 2000 plus the following features: Call Forwarding (Busy, No Answer Split), Call Forwarding/Incoming, Call Forwarding/Within Group, Executive Busy Override, Multi-Level Restriction, Off-Hook Queuing, Remote Access to Features, Ringback Queuing, and Speed Call 30 (Individual).

CCLASS FEATURE PACKAGE - *66 Busy Number Redial, *69 Call Return, Call Block, Selective Call Acceptance, Selective Call Forward, Special Call Waiting.

DMS ACD Feature Package: - Basic ACD, ACD Abandoned Call Clear, ACD Agent Status Lamp, ACD Auto Overflow, ACD Call Source ID, ACD Display Queue Status Key, ACD Enhanced Group Status Display, ACD Enhanced Overflow Enhancement, ACD Enhanced Queue Status Lamps, ACD Enhanced Supervisory Control of Night Service, ACD Enhanced Agent Key, ACD Enhanced Call Forcing, ACD Enhanced Call Supervisory Key, ACD Enhanced Emergency Key, ACD Music On Delay-Shared, ACD Music On Delay-Dedicated, ACD Night Treatment-Overflow to Other Group, ACD Night Treatment-Shared Announcement, ACD Night Treatment-Dedicated Announcement, ACD Not Ready Key, ACD Observe Agent Key, and ACD Three Way Call/CT to ACD.

Optional Features: Additional Console Member, Authorization Codes (per group of 10), Automatic Route Selection (Expensive Route Warning, and Time of Day Routing), Calling Number Identification, Cancel Calling Number Delivery - Per Line, Code Call Access, Conference Calling, Data Link Console Interface, Dictation Access and Control, Facilities Restriction Level, Flexible Night Answer, FX Access, Identification-Multiple Directory Numbers, Mixed Night Answer, Music-On-Hold Access, Non-Data Link Console Interface, Paging/Public Address Access, Pilot Number of Hunt Groups, Predetermined Night Answer-Fixed, Preferential Hunting, Priority Queuing, Proprietary Set Interface, Pseudo Number, Recorded Announcement, Speed Call 30 (System), Station Message Detail Recording (Magnetic Tape Only), Stop Hunt, T-1 Access, Terminal Make Busy, Tie Facility Access, Universal Night Answer, Priority Call, WATS Access, and 800 Service Access.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features

A customer subscribing to one of the packages may order additional optional features at the rates shown in Paragraph 4. of this Catalog.

Basic Customized Multiline Telephone Service includes the following basic features:

Automatic Identification of Outward Dial - This feature identifies all calls leaving the customer group by the station number from which calls are placed.

Direct Inward Dialing - This feature allows incoming calls from the exchange network to reach a specific station without attendant assistance.

Direct Outward Dialing - This feature allows station users to place external calls to the exchange network without attendant assistance.

Distinctive Ring - This feature permits a station user to determine by the cadence of the ringing, whether a call is originated internally or externally.

Station-to-Station Calling - This feature allows station users to call each other using abbreviated dialing.

Touch Calling - This feature equips all station lines for Touch Calling dialing.

Customized Multiline Telephone Service Feature Packages 1000, 2000 or 3000 are offered at rates and charges set forth in Paragraph 4. following. Feature capabilities may vary depending on the type of host central office equipment. Following are feature series and associated definitions:

Feature Package 1000

Call Alternation - This feature allows a station user to hold one call, make another call, and then talk alternately between the two parties.

Call Alternation - This feature allows a station user to hold one call, make another call, and then talk alternately between the two parties.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

Feature Package 1000 (Cont'd)

Call Forwarding - This feature provides the option of fixed and/or variable forwarding of a station's incoming calls to a predetermined number. Includes all calls or only calls reaching a busy or no answer condition (Fixed Forwarding is established and changed by the Telephone Company, whereas variable forwarding is established and changed by the station user.)

Call Hold - This feature allows a station user to place a call-in progress on hold.

Call Pick Up-Direct - This feature permits a station user to pick up any ringing station in the business group by dialing a feature code plus the ringing station's intercom number. The ringing station is not required to be in the same pick up group.

Call Pick Up-Extended - This feature permits a station user to dial a code to apply call pick up to groups other than its own.

Call Pick Up-Group - This feature permits a station user to dial a code to answer a call which is ringing at another station within the call pick up group.

Call Waiting/Cancel - This feature cancels Call Waiting for the duration of one call by dialing an access code.

Call Waiting Originating - This feature allows the party making the call to activate Call Waiting on a busy line at completion of dialing on a per call basis.

Call Waiting Terminating - The feature alerts the called party, with a beep, that an incoming call is waiting.

Call Transfer - This feature allows a station user to transfer a call to another party.

Consultation Hold - This feature allows the initiator of a 3 Way Call or transfer to speak privately with the third party before completing the connection.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

Feature Package 1000 (Cont'd)

Directory Number Hunting - This feature activates hunting when any of the directory numbers of the individual lines in the hunt group are called. If that line is busy, hunting will start with that line and continue to the end of the list.

Hunting (Pilot Number) - This feature provides for the distribution of calls in a hunt group.

Hunting (Secretarial) - This feature provides hunting within a department to hunt to the secretary last.

*66 Busy Number Redial - This feature allows a station user to redial the last number dialed by utilizing an access code.

Speed Calling 6 (Individual) - This feature allows a user to dial an individual list of selected numbers using an access code and one digit. (Available in the DMS-100/5ESS only)

Speed Call 8 [1] (Individual) - This feature allows a user to dial an individual list of selected numbers using one or two digits. (Available in the GTD-5 only)

Station Restriction - This feature allows a station to be fully restricted or semi-restricted. Fully restricted blocks calls to and from the attendant in addition to those from outside the customer business group. Semi-restricted permits the customer to have selected station(s) restricted from receiving any calls from outside the customer business group. Intercom calls and private facilities are accessible.

3 Way Calling - This feature permits a station user using the consultation hold feature to put one party on hold, reach a third party, and bring all three parties together in a three-way connection.

Toll Restriction - This feature prevents customer designated stations from placing any chargeable calls.

[1] This service offering is limited to all existing subscribers at their existing location as of July 20, 2014.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

Feature Package 2000 (The features below are in addition to the Feature Package 1000 Package features)

Automatic Callback - This feature enables a station user encountering a busy station, go on-hook, and be called back when the busy station becomes idle.

Call Park-Multiple - This feature permits a station user to place one or more calls on hold and later retrieve the call (calls) from his station or another station in the customer business group.

Circular Hunting - This feature activates hunting when any of the directory numbers of the individual lines in the hunt group are called. If that line is busy, hunting will begin with that line and continue through the member previous to the one dialed.

Data Line Security - This feature prohibits interruption to a busy line by features such as Call Waiting, Executive Busy Override, etc.

Multiple Classes of Service This feature assigns each station a class of service which defines its calling privileges and any features restricted from its use.

Saved Number Redial - This feature permits a station user to store a number in memory and then later redial the number using a code.

Speed Call 30 (Group/Shared) - This feature allows members of a customer business group to share a common speed call list of 30 members.

Uniform Call Distribution (UCD) Hunting - This feature provides for call distribution in a hunt group by connecting to the one which has been idle longest. (Applies to Circular Hunt only)

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

Feature Package 3000 (The features below are in addition to the Feature Package 1000 and Feature Package 2000 Package features)

Call Forwarding (Busy, No Answer Split) - Single feature which allows the customer to specify the destination of a forwarded call based on the call being an intra-system call or an inter-system call (DMS Only).

Call Forwarding/Incoming - This feature restricts call forwarding of all calls to those from outside the business group.

Call Forwarding/Within Group - This feature restricts a station user so that calls may only be forwarded to other stations in the business group.

Executive Busy Override - This feature allows a station user to access a busy station after a break-in tone alerts the busy station.

Multi-Level Restriction - This feature permits the subscriber to define those codes that stations may dial. This can be done on a three-digit office code basis (NNX) or a six-digit area code (NPA) and NNX basis.

Off-Hook Queuing - This feature allows a station user to remain off-hook and wait for an idle trunk so he may complete his call.

Remote Access to Features - This feature allows authorized users to call in from the exchange network and gain access to a business group including all features associated with that group.

Ringback Queuing - This feature permits a station user with activated queuing to go on-hook and be called when the busy facility comes available.

Speed Call 30 (Individual)- This feature allows a station user to place calls to 30 commonly called destinations using two to four digits.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

CLASS Feature Package

*66 Busy Number Redial - allows a customer to activate automatic later placement of their call. When a busy signal is reached, the call is queued for up to 30 minutes and is automatically retried until both parties are available. The call is not automatically retried for periods longer than 30 minutes.

*69 Call Return - allows a customer to automatically return the last incoming call by feature activation, whether or not it was answered. If the line is busy, the call is queued for up to 30 minutes or until both numbers are idle. The customer is given an indication that the network will attempt to set up the call when the called line is idle. When the called line is free, the customer's line rings, then the other number rings.

Call Block - allows a customer to block calls from certain numbers (maximum of 12) known to the customer. The customer also can block incoming calls placed from the last calling number even if the number is unknown to the customer. Blocked calls are routed to a recorded announcement which specifies that the called party is not accepting calls.

Selective Call Acceptance - allows a customer to select specific telephone numbers (maximum of 12) from which calls are to be received. All other calls are intercepted and routed to a recorded announcement that informs the caller the customer is not accepting calls.

Selective Call Forward - is an arrangement which permits a customer to prespecify telephone numbers (maximum of 12), from which calls are to be forwarded. During the period that Selective Call Forward is activated, only calls from one of the prespecified numbers will be forwarded.

Special Call Waiting - allows a customer to choose the numbers (maximum of 12) which can activate Call Waiting. Calls placed from numbers not selected by the customer receive busy signals, when the customer's line is busy. Customers may not subscribe to Call Waiting and Special Call Waiting on the same line.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL ATTENDANT FEATURES [1] (The features below can be ordered individually at the rates shown in this Catalog.)

Additional Console - The customer has more than one console.

Attendant Data Link Console Interface - This feature allows the use of a proprietary data-link multiplexed console which is connected to the central office. (Requires three (3) additional Customized Multiline Telephone Service lines at rates specified in this Catalog.)

Attendant Flexible Night Answer - This feature permits the attendant to change the Predetermined Night Answer station number by dialing a feature code plus the new night answer station number. (Requires Data Link Console.)

Attendant Identification-Multiple Directory Numbers - This feature enables the attendant to identify an incoming call by directory number using the console display. If the customer has multiple directory numbers, the attendant will know by the number appearing on the console display which department is being called. (Requires Data Link Console.)

Attendant Mixed Night Answer - This feature is a combination of Universal and Predetermined Night Answer. Listed number calls can be switched to either type of night answer by the attendant. (Requires Data Link Console.)

[1] The contract period for the Optional System Features is based upon the initial contract period for the Customized Multiline Telephone Service System. Subsequent Optional System Feature additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL ATTENDANT FEATURES [1] (The features below can be ordered individually at the rates shown in this Catalog.)

Attendant Non-Data Link Console Interface - This feature allows the use of a multiline attendant instrument designed specifically for console service. A physical pair is required for each loop at rates shown elsewhere in the Company's tariffs.

Attendant Predetermined Night Answer-Fixed - This feature, activated by the attendant, routes calls placed to the listed directory number to some predetermined station, hunt group, or station. This feature also allows transfer of calls during commercial power failure. (Requires Data Link Console.)

Attendant Universal Night Answer - When activated by attendant, listed number calls are routed to this equipment. Calls can then be answered by individual stations by dialing the associated feature code. This feature also allows transfer of calls during commercial power failure. (Requires Data Link Console.)

[1] The contract period for the Optional System Features is based upon the initial contract period for the Customized Multiline Telephone Service System. Subsequent Optional System Feature additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL LINE FEATURES (The features below can be ordered individually at the rates shown in this Catalog.)

Authorization Codes - This feature permits the caller to dial codes which grant the caller privileges associated with the authorization code, rather than those associated with the station or remote location from which the call is being made.

Automatic Route Selection - This feature provides directed routing to the users preferred trunk route list (FX, WATS, Tie Lines, etc.). This feature also includes:

Expensive Route Warning - This feature provides a warning tone indicating a route determined to be expensive for a given location that has been selected.

Facilities Restriction Level - This feature allows each station and each facility access in the business group to be assigned a restriction level for use with Automatic Route Selection (ARS).

Time of Day Routing - This feature provides for route selection based on the most economical path for a particular time of day.

Calling Number ID - provides for the display of the incoming telephone number on a customer provided display device attached to the customer's telephone line or on a telephone or answering machine with a built-in display screen. The Calling Number ID feature will forward the calling number from the appropriately equipped central office to the customer provided display device. The Company will forward all telephone numbers subject to technical limitations.

All customer provided equipment used to interface with Calling Number ID must be connected in accordance with the provisions of the Federal Communication Commission's Registration Program.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL LINE FEATURES (Cont'd)

Cancel Calling Number Delivery - Per Call - provides free per call blocking in exchanges where Calling Number ID is offered by the Company. Customers may prevent the delivery of their telephone number to the called party. This is accomplished on a per call basis when the customer dials the Cancel Calling Number Delivery - Per Call activation code (*67 for Touch Calling lines and 1167 for rotary lines) prior to placing the call.

Pilot Number of Hunt Groups - Directory number used to access a hunt group (no associated cable pair required).

Preferential Hunting - This feature assigns hunting to an individual group of hunt group members to a pilot number of another circular hunt group.

Priority Queuing - This feature permits a station user remaining off-hook to queue for a facility to obtain a line ahead of another station user queuing for a facility and goes on-hook.

Proprietary Set Interface - This feature provides capability for central office connectivity for business proprietary sets.

Pseudo Number - This feature provides an additional telephone number when used in conjunction with business proprietary sets.

Recorded Announcement - This feature routes calls to a recording (may be customized) at the Telephone Company's Central Office.

Speed Call 30 (System) - This feature allows members of a customer business group to share a common speed call list of 30 members.

Station Message Detail Reporting (Magnetic Tape Only) - This feature produces call detail of all trunk calls in and out of the customer business group that are made to both physical trunks and simulated facility groups.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL LINE FEATURES (The features below can be ordered individually at the rates shown in this Catalog.) (Cont'd)

Stop Hunt - This feature uses a code which allows the hunting process to stop when a particular line is reached in a hunting sequence.

Terminal Make Busy - This feature uses a code to make a specific terminal, or groups of terminals in a hunting group look busy.

Priority Call - allows a customer to program up to twelve (12) telephone numbers of selected callers enabling the customer to distinguish certain incoming calls from all others by a distinctive ring tone. If a customer also subscribes to Call Waiting, calls from the selected numbers will be distinguished by a distinctive call waiting tone.

OPTIONAL SYSTEM FEATURES [1] (The features below can be ordered individually at the rates shown in Paragraph 5. of this Catalog.)

Conference Calling - This feature permits a station user or attendant to form a conference with a maximum of six or eight parties, including other stations and/or parties reached over trunks.

Code Call Access - This feature provides access to customer provided code calling signaling devices.

Dictation Access and Control - This feature provides for station access to customer provided dictation equipment.

[1] The contract period for the Optional System Features is based upon the initial contract period for the Customized Multiline Telephone Service System. Subsequent Optional System Feature additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

General Exchange Catalog

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

1. GENERAL (Cont'd)

.3 (Cont'd)

.3.2 Definitions of Features (Cont'd)

OPTIONAL SYSTEM FEATURES [1] (Cont'd) (The features below can be ordered individually at the rates shown in this Catalog.)

FX Access - This feature provides InterMSA and IntraMSA access to and from a remote exchange network via dedicated trunk facilities.

Music-on-Hold Access - This feature provides access to a common music source for use with call hold, transfer, park, and queuing features.

Paging/Public Address Access - This feature provides a central office interface to a loudspeaker at the customer premises for paging and/or public address.

Tie Facility Access - This feature provides access to tie line facilities which connects the customer business group to another CENTREX, PABX or similar facility.

T1 Access - The feature connects a digital facility to a switching system dedicated to a specific customer.

WATS Access - This feature provides the customer access to an inter-exchange carrier for bulk toll calling.

800 Service Access - This feature permits 800 Service Access to terminate in the Customized Multiline Telephone Service System.

[1] The contract period for the Optional System Features is based upon the initial contract period for the Customized Multiline Telephone Service System. Subsequent Optional System Feature additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

2. LIABILITY OF THE TELEPHONE COMPANY

.1 The Telephone Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Customized Multiline Telephone Service Features. In the event that a customer's basic service is interrupted and remains out of service for more than twelve (12) hours after being reported to or found to be out of service by the Company, appropriate adjustments shall be made to the customer's account upon request with a minimum of credit for twenty-four (24) hours. The adjustment shall be the pro rata part of the month's charge for local exchange service for the period of days service was inoperative and shall be accomplished by a credit on a subsequent bill for service. This provision shall not apply when the service interruption is caused by:

.1.1 The negligence or willful act of the customer,

.1.2 Customer provided facilities, or

.1.3 Electric power failure where the customer furnishes such electric power.

.2 The Telephone Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Customized Multiline Telephone Service Features and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

3. CONDITIONS

.1 The Company will furnish one alphabetical directory listing on a per Customized Multiline Telephone Service summary account, without charge.

.2 The rates and charges shown for Customized Multiline Telephone Service apply to establishment of Customized Multiline Telephone Service only. Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of a Customized Multiline Telephone Service system up to and including the Standard Network Interface. In the case of Customized Multiline Telephone Service customer moves within the same exchange area, appropriate service charges, including the Central Office Line Connection Charge, will apply. Other services as provided for in the Tariffs of the Company may be furnished in connection with this service at rates and charges specified for such services.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

3. CONDITIONS (Cont'd)

.3 Customized Multiline Telephone Service is offered on a contractual basis commencing on the date the service is established.

.3.1 The rates per Customized Multiline Telephone Service Line as set forth in Paragraph 4. following, plus the selected Feature Series rate per line as set forth in Paragraph 4. following, apply each month from the time the System is placed in service until the Customized Multiline Telephone Service is discontinued.

.4 In the event that the Customized Multiline Telephone Service is terminated by the customer prior to completion of the initial contract period, the Company will develop the applicable contract termination charge using the formula described below and levy it for payment by the customer.

.4.1 In the event of termination of Customized Multiline Telephone Service during the contract period, the customer will remain liable for the balance of contract period rates adjusted to their then present worth equivalent, based upon a 12% discount rate, which shall upon any such termination immediately become due and payable in its entirety.

.4.2 In the event the customer reduces the number of Customized Multiline Telephone Service lines initially contracted by 20% or more, the termination liability as specified in .4.1 above is applicable and will be based upon the initial number of lines under contract, as set forth in Paragraph 4. following.

.4.3 A Customized Multiline Telephone Service customer may at any time renew the contract for an equal or longer new contract period at the current tariff rates subject to the following conditions:

a. No credit will be given for payments made during the formerly selected period. Nonrecurring charges will not be reapplied.

b. The new contract period begins with the next billing date following the renewal.

c. No termination charge applies for the former contract period.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

3. CONDITIONS (Cont'd)

.5 When Customized Multiline Telephone Service is provided, any manual operations at the customer's premises are performed by, and at the expense of the customer.

.5.1 Upon request, the Company will correct a failure caused by customer-initiated software changes, will update software records, or make subsequent line and/or feature additions on a time and material basis at labor rates as specified following:

Labor Period	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
(a) Basic Time, Business Day, Per Technician	$45.23	$15.78
(b) Overtime, Outside the Business Day, per Technician [1]	$48.73	$19.28
(c) Premium Time, Outside the Business Day, Per Technician [1]	$55.74	$26.29

.5.2 Basic Time rates apply for the time the Telephone Company is open for business, Monday through Friday. Overtime rates apply any time outside the business day and all day Saturday. Premium rates apply all day Sunday and on all Telephone Company approved holidays.

.6 Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

.6.1 Suitable space includes provisions for atmospheric control, which encompasses the following environmental requirements: (1) dust free, (2) controlled temperatures ranging from 50° to 86° Fahrenheit, with consideration given to heat loss and/or gain of the equipment, and (3) relative humidity of 20% minimum and 55% maximum.

.6.2 Commercial power necessary to operate the remote units, if required, located on the customer's premises shall be provided by the customer.

[1] A call out of a Company employee at a time outside of the business day is subject to a minimum charge of four hours.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

3. CONDITIONS (Cont'd)

.7 Rotary dial stations may not be capable of accessing all Customized Multiline Telephone Service features shown in Paragraph 1. of this Section.

.8 A Customized Multiline Telephone Service line may be extended to a location outside the same continuous property of the Customized Multiline Telephone Service customer to any location. Mileage Charges, as set forth in the Company's Tariffs, will apply to such off-premises extension lines. Such charges shall be measured from the location of the serving host central office or from a serving remote unit, if applicable, whichever is closer, to the off-premises location.

.9 Customized Multiline Telephone Service system lines are not subject to Business Exchange Service Rates or Usage Sensitive Service Access Line Rates set forth in the General Exchange Tariff. However, Call Connection and Minutes of Use Rates set forth in the General Exchange Tariff apply to exchange and zone usage (if appropriate) originating from a Customized Multiline Telephone Service system. In Non-Usage Sensitive Service exchanges, customers will be required to purchase Network Access at rates stated elsewhere in this Catalog.

.10 This Tariff contemplates the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

.11 This Tariff (including the rates and charges shown herein) for Customized Multiline Telephone Service is subject to such changes or modifications as the Commission may from time to time direct or allow in the exercise of its jurisdiction.

.12 Customized Multiline Telephone Service lines may be terminated on Key, PABX or equivalent type system. A Key/PABX termination rate will be applied per Customized Multiline Telephone Service line in addition to the applicable Customized Multiline Telephone Service line rate.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

3. CONDITIONS (Cont'd)

.13 Subsequent line additions/deletions.

.13.1 Subsequent line additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract. Existing contract period rates, for lines previously contracted, remain unchanged. If the line addition results in the customer's total Customized Multiline Telephone Service line count exceeding the threshold of the line group previously contracted, only the quantity of additional lines in excess of the threshold will be billed at the rate for the larger group. Appropriate Service Charges, excluding the Central Office Line Connection Charge, set forth in other Tariffs of the Company apply to installation of subsequent line additions up to and including the Standard Network Interface.

.13.2 Subsequent line deletions resulting in reductions equal to or exceeding 20% of the initial lines under contract will be treated as set forth in .3.4 preceding. If the reduction causes the total number of lines to fall within a different line group, all remaining lines will be billed at rates according to the associated line group as set forth in Paragraph 4.

.14 If a customer requests an upgrade of an existing Feature Series (e.g., from Series 1000 to 2000, 1000 to 3000, or from Series 2000 to 3000), his existing per line contract rate will be changed to reflect the appropriate rate applicable to the new Feature Series, as set forth in Paragraph 4. The new contract rate will apply for the duration of the existing contract period. Data Base Program charges will apply.

.15 If a customer chooses to combine Customized Multiline Telephone Service stations terminating at different locations into a single Customized Multiline Telephone Service system then all stations must be served by the same central office switching equipment.

.16 The Customized Multiline Telephone Service rate in a Foreign Exchange (FX) or Foreign Central Office (FCO) arrangement is the monthly rate for the Customized Multiline Telephone Service desired, plus FX or FCO charges as shown elsewhere in the Company's tariffs.

.17 Private Line arrangements connected with Customized Multiline Telephone Service are subject to applicable rates and charges shown elsewhere in the Company's tariffs.

.18 Certain Optional Feature capabilities as shown in Paragraph 5. may not be compatible with other Series or Optional features.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

3. CONDITIONS (Cont'd)

.19 Training will be provided for the installation of each new Customized Multiline Telephone Service system. The type of training will be determined by the Company and will vary dependent upon the size of the system. Any training requirements over 40 hours will be billed to the customer on a time and material basis as shown in other Tariffs of the Company.

.20 Customized Multiline Telephone Service lines may not be terminated on Public, Semi-Public, Coinless or Customer Owned Pay Telephone Service.

4. RATES AND CHARGES

.1 Rates and Charges

.1.1 The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in the Company's Tariffs.

.1.2 Customized Multiline Telephone Service line rates are determined by the total number of Customized Multiline Telephone Service lines requested (i.e., if a customer requests 28 lines, all lines will be billed at the 26 - 50 group line rate).

.1.3 The following rates apply during the contract period and until the service is discontinued: [1]

	Line Access Monthly Rate
3 - 5 Lines, per Line [2]	$61.99 (I)
6 - 25 Lines, per Line [2]	$88.75 (I)
26 - 50 Lines, per Line [2]	$13.50

[1] Customized Multiline Telephone Service Arrangements exceeding 500 lines will be offered on an individual case basis.

[2] Minimum Contract Period for 3 - 50 Lines is one month. Customers may, at the option of the Company, sign a contract agreement for periods greater than one month.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

4. RATES AND CHARGES (Cont'd)

.1 Rates and Charges (Cont'd)

.1.3 The following rates apply during the contract period and until the service is discontinued: [1] (Cont'd)

	Line Access Monthly Rate
12 Month Contract	
51 - 100 Lines, Per Line	$13.25
101 - 250 Lines, Per Line	$13.00
36 Month Contract	
51 - 100 Lines, Per Line	$13.00
101 - 250 Lines, Per Line	$12.75
251 - 500 Lines, Per Line	$12.50
60 Month Contract	
51 - 100 Lines, Per Line	$12.50
101 - 250 Lines, Per Line	$12.35
251 - 500 Lines, Per Line	$12.20
84 Month Contract	
51 - 100 Lines, Per Line	$12.35
101 - 250 Lines, Per Line	$12.20
251 - 500 Lines, Per Line	$12.00

[1] Customized Multiline Telephone Service Arrangements exceeding 500 lines will be offered on an individual case basis.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

4. RATES AND CHARGES (Cont'd)

.2 The following Feature Series rates apply per line for as long as the system is in service.

	Monthly Rate Per Line	Each
Feature Series 1000	$1.50	
Feature Series 2000	$2.00	
Feature Series 3000	$2.50	
Feature Series DMS ACD		$160.00
Class Feature Package [1]		
3-25 lines	$5.00	
26-49 lines	$4.50	
50+ lines	$4.00	

	Monthly Rate
.3 The following network access rate is applicable in Non-USS exchanges, per Network Access Per Month	$25.00
.4 Customized Multiline Telephone Service PABX/Key Termination Rate, per Customized Multiline Telephone Service line	$10.00

[1] A maximum charge of $400.00 applies per customer for Class Feature Packages.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

5. OPTIONAL CUSTOMIZED MULTILINE TELEPHONE SERVICE SERVICES

.1 Optional Features [1]

		Monthly Rate
.1.1	Attendant Additional Console Member	No Charge
.1.2	Attendant Data Link Console Interface	$70.00
.1.3	Attendant Flexible Night Answer	$0.20
.1.4	Attendant Identification - Multiple Directory Numbers	$0.10
.1.5	Attendant Mixed Night Answer [2, 5]	No Charge
.1.6	Attendant Non-Data Link Console Interface [6]	$50.00
.1.7	Attendant Pre-Determined Night Answer	$0.20
.1.8	Attendant Universal Night Answer (UNA) [2, 3, 4]	$0.10
.1.9	Authorization Codes, per group of 10	$0.05
.1.10	Automatic Route Selection	$2.00
.1.11	Code Calling Access [2]	$20.00
.1.12	Conference Calling	$90.00
.1.13	Dictation Access & Control [2]	$20.00
.1.14	FX Access	$6.00
.1.15	Music on Hold Access [2]	$20.00
.1.16	Paging/Public Address Access [2]	$20.00
.1.17	Pilot Number of Hunt Groups	$0.05
.1.18	Preferential Hunting [7]	$0.05
.1.19	Priority Queuing [8]	$0.05
.1.20	Proprietary Set Interface	$5.00
.1.21	Pseudo Number [9]	
	Measured Service	$6.00
	Flat Rate Service	$6.00

[1] The charges apply to initial and subsequent additions of Optional Features.
[2] Where facilities and conditions permit. Does not include music source for Music on Hold.
[3] Requires listed directory number.
[4] Requires data-link console.
[5] Requires PNA and UNA
[6] Requires multiline appearances normally assigned to a rotary hunt group.
[7] Where facilities and conditions permit. Does not include music source for Music on Hold.
[8] Requires one or more hunt groups.
[9] Appropriate Feature Series rate applies per Pseudo Number.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

5. OPTIONAL CUSTOMIZED MULTILINE TELPHONE SERVICES (Cont'd)

.1 Optional Features [1]

		Monthly Rate
.1.22	Recorded Announcement	$25.00
.1.23	Speed Call 30 (System)	$0.10
.1.24	Station Message Detail Recording	$1.50
.1.25	Stop Hunt [2, 3]	$0.50
.1.26	Terminal Make Busy [3]	$0.50
.1.27	Tie Facility Access	$6.00
.1.28	T1 Access	$300.00
.1.29	WATS Access	$1.00
.1.30	800 Service Access	$1.00
.1.31	Calling Number ID [4, 5]	
	3-25 lines	$6.00
	26-49 lines	$4.50
	50+ lines	$2.00
.1.32	Priority Call	$4.00

6. DATA BASE CHANGES [6]

		Nonrecurring Charge
.1	Major Software Additions	$100.00
.1.1	Add Customized Dialing Plan	
.1.2	Add Customer Requested Data Base Profile	

[1] The charges apply to initial and subsequent additions of Optional Features.
[2] Requires one or more hunt groups.
[3] May require additional hardware.
[4] A maximum charge of $200.00 applies per customer for Calling Number ID.
[5] There is no charge for Cancel Calling number Delivery.
[6] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

6. DATA BASE CHANGES [1]

		Nonrecurring Charge
.2	Routine Software Change [2]	$50.00
.2.1	Change Trunk Group	
.2.2	Change Non-Data-Link Attendant [3]	
.2.3	Change Custom Recording	
.2.4	Change ARS Translations	
.2.5	Change Translations Tables	
.3	Minor Software Change [2]	$25.00
.3.1	Change Subgroup	
.3.2	Hunt Groups	
.3.3	ACD Hunt Group [4]	
.3.4	Simulated Facility Group	
.3.5	Queuing Groups [5]	
.3.6	Night Answer (UNA/PNA) [6]	
.3.7	Paging/Public Address/Code Calling [7]	
.3.8	Conference Calling - 8, 16, 24 Ports	
.3.9	Remote Access Directory Number [8]	
.3.10	Authorization/Validation Code [9]	
.3.11	Music on Hold Access	
.3.12	Dictation Link Access	
.3.13	Standard Recording	
.3.14	Extended Pick Up Code	
.3.15	Executive Busy Override	
.3.16	Multi-Level Restriction [10, 11]	

[1] Data Base Additions or Changes not listed in this Catalog will be charged a rate of $50.00 per hour, or fraction thereof, plus materials.
[2] Applies to changes in existing services.
[3] Additional minor change charge for each additional console.
[4] Additional minor change charge for recording, queuing, station changes.
[5] Additional minor change charge for each trunk group.
[6] Additional minor change charge for each PNA number, zone, area.
[7] Additional minor change charge for each area.
[8] Additional minor change charge for each authorization code.
[9] Additional minor change charge for each 2 codes.
[10] Additional minor change charge for each 10 codes.
[11] Additional minor change charge to add toll control.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

7. Customized Multiline Telephone Service Customer Moves and Changes (CMAC)

.1 Customized Multiline Telephone Service Optional System Feature

.1.1 GENERAL

Customized Multiline Telephone Service Customer Moves and Changes (CMAC) provides customers with the ability to prepare, schedule, and implement feature changes and configurations from a computer terminal located on the customer's premises.

.1.2 FUNCTIONS

The customer controls the following functions:

(1) Service Option Information Changes

(a) Line Restriction Status
(b) Facility Restriction Level Assignment
(c) Call Pick-Up Group
(d) Call Forwarding Number
(e) Authorization Code Assignment
(f) Button Features

(2) Activation/Deactivation of Features

(3) Telephone Number Swaps

(4) Reports (Queries and Tallies)

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

7. Customized Multiline Telephone Service Customer Moves and Changes (CMAC) (Cont'd)

.1 Customized Multiline Telephone Service Optional System Feature (Cont'd)

.1.3 DEFINITIONS

a. Service Option Information Changes:

a.1 Line Restriction Status - The customer can restrict telephone numbers from all Service Option Information Changes. If changes are desired at a later time, the customer can remove the restriction.

a.2 Facility Restriction Level Assignment - The customer can change the Facility Restriction Level (a permission level assigned to define calling privileges) associated with both facilities and station users.

a.3 Call Pick-Up Group - The customer can establish a call-pickup group and add or delete members from an existing call-pickup group.

a.4 Call Forwarding Number - The customer can change the forwarded call number of the station user.

a.5 Authorization Code Assignment - An authorization code is a number associated with a specific person rather than a specific telephone number. The customer can activate, change, or deactivate authorization codes. The customer can also display the features associated with the authorization code for a particular user. Authorization Codes are defined in the existing Customized Multiline Telephone Service Optional System Features list.

a.6 Button Features - The buttons on a Multi-Button station set can either activate features or enable call appearances (specific telephone numbers assigned to buttons). The customer can manipulate the features assigned to the buttons.

b. Activation/Deactivation of Features - The customer can either add a feature to a telephone number that does not have it or take a feature off a telephone number that does. This function is limited to the features included in the feature packages subscribed to by the customer.

c. Telephone Number Swaps - The customer can swap telephone number assignments among lines within a group.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

7. Customized Multiline Telephone Service Customer Moves and Changes (CMAC) (Cont'd)

.1 Customized Multiline Telephone Service Optional System Feature (Cont'd)

.1.3 DEFINITIONS (Cont'd)

d. Reports (Queries and Tallies) - Customers can run reports that show the status of existing and requested feature changes (feature queries) and the total number of stations with the features that they have (feature tallies).

The customer can be provided with a set of standard reports or can request that the Company customize the standard report formats to the customer's specifications. The customer can run query or tally reports as a function by itself or may choose to perform other system functions once the report request is made.

It is not necessary to remain on-line for the reports to be processed.

.1.4 REGULATIONS

a. Customized Multiline Telephone Service Customer Moves and Changes (CMAC) is available to either existing or new Customized Multiline Telephone Service customers.

b. Customers with compatible customer premises equipment may access Customized Multiline Telephone Service CMAC from any new or existing local exchange access line [subject to the appropriate rates and charges in the General Exchange Tariff].

c. Customized Multiline Telephone Service CMAC will be furnished only from offices that are technically capable of and equipped for providing the service.

d. Customers will have 24-hour dial-up access to the CMAC system except when restricted during maintenance windows. On occasion, customers may receive a busy condition.

e. Customers will have up to two hours per dial-in session on the CMAC system. A warning tone will sound as the two-hour limit approaches. During the dial-in session, the Company will discontinue the transmission after a period of inactivity.

GRANDFATHERED SERVICES

CUSTOMIZED MULTILINE TELEPHONE SERVICE (Cont'd)

7. Customized Multiline Telephone Service Customer Moves and Changes (CMAC) (Cont'd)

.1 Customized Multiline Telephone Service Optional System Feature (Cont'd)

.1.4 REGULATIONS (Cont'd)

f. Some of the lines in a customer's Customized Multiline Telephone Service system cannot or should not be rearranged through CMAC (for example, some groups of Customized Multiline Telephone Service lines that have been previously arranged as Multiline hunt groups). Changes to these Company-specified lines will be made through the Company's existing service order procedure.

g. All normal or emergency functions of the central office switch processor will have priority over execution of CMAC requests. The Company assumes no responsibility for change requests delayed by priority central office switch processor functions.

h. The Company reserves the right to inhibit CMAC service in the event of a service-affecting condition to the central office or affiliated operating support system.

.1.5 RATES

The following rates are for Customized Multiline Telephone Service Customer Moves and Changes (CMAC):

Line Size	Nonrecurring Charge [1]	Monthly Rate [1]
3 - 100 lines	$ 190.00	$135.00
101 - 250 lines	350.00	190.00
251 - 500 lines	800.00	295.00
501 - 1500 lines	1850.00	620.00
1501 + lines	3500.00	885.00

1 Both NRC's and MRC's apply per system (per customer).

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (C)

1. Asynchronous Transfer Mode (ATM) Service

Effective November 20, 2004, Asynchronous Transfer Mode (ATM) Service is no longer available to new customers. Existing TPP/OPP customers may continue their service until their TPP/OPP expires or their service is disconnected, whichever occurs first. Moves, additions, or changes will not be permitted.

.1 Service Description

Asynchronous Transfer Mode (ATM) Service is a form of "fast packet" switching service for high speed networks which require flexible bandwidth, high-performance transport and switching for connectivity between and among widely distributed customer locations. ATM is a cell-based, connection-oriented, switching and multiplexing technology designed to be a fast, general-purpose transfer mode for multiple services.

ATM Network Service conforms to protocol standards created by the ITU-T (Telecommunication Standardization Bureau of the International Telecommunication Union), formerly Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI), publications T1.511, T1.627 and T1.630.

ATM is a high-bandwidth medium with low delay and has the capability to be switched to a specific destination.

ATM is available where facilities and conditions permit.

.2 Service Provisioning

ATM is a data networking technology that uses 53 byte cells, consisting of a 5 byte header which contains addressing, payload type and network priority information and a 48 byte payload for data. The cells are transmitted through an ATM network in a "real time" (low delay in transmission) or "non-real time" sensitive manner on virtual channels.

ATM Service can be provisioned over DS1, DS3, OC3c, and OC12c access channels.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.2 Service Provisioning (Cont'd)

.2.1 UNI Port and Access Line

Customers can subscribe to ATM Service based on the speed of the port connection (i.e., DS1, DS3, OC3c or OC12c facilities) applicable for each physical connection to the network switch supporting ATM service. A port is the entry point on the switch to which the customer is connected. Ports are available which allow connection to the ATM network at speeds of DS1 to OC12c. Each port can accommodate multiple PVCs. UNI Port and Access Lines are available on a one, three or five-year Optional Payment Plan (OPP).

.2.2 UNI Port Only

Customers can order port only access based on the speed of port connection (i.e., DS 1 and DS3 facilities) applicable for each access line or digital private line connection to the network switch supporting ATM Service. Each port can accommodate multiple PVCs. UNI Port Only is available on a one, three or five-year Optional Payment Plan (OPP). The associated regulations, rates and charges from Ill. C.C. No. 15 are in addition to the rates and charges associated with the ATM rate elements. Local channel, interoffice channel mileage and hub termination rates for DS3 access channels and/or interoffice channels shall be provisioned from Ill. C.C. No. 15.

Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

Permanent Virtual Path (PVP) provides for aggregation of multiple PVCs into a single path. The traffic management parameters for all PVCs in the PVP must be defined at the same level of service. All PVCs in the PVP must have the same originating and terminating end ports. The applicable SCR and PCR rates apply for the aggregate SCR and PCR of all the PVCs in the PVP. Customers can subscribe to pricing scheme(s), which charge for Sustained Cell Rate (SCR). SCR is an amount of bandwidth which the Company commits to providing in the network for customer traffic. SCR is set for every PVC defined.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.2 Service Provisioning (Cont'd)

Company ATM switches are responsible for guaranteeing the traffic priority parameter ordered by the customer. Traffic prioritization parameters refer to priorities given to cell transmissions and sensitivity of cells to delay variation and loss within the network. Constant Bit Rate (CBR) traffic is given first priority, Variable Bit Rate-Real Time (VBR-rt) traffic is given second priority and Variable Bit Rate-Non Real Time (VBR-nrt) traffic is given third priority, based upon the traffic in the network at any given point in time.

There are three traffic prioritization parameter categories:

- Constant Bit Rate (CBR): An ATM traffic management parameter that supports the transmission of a continuous bit stream of traffic from those applications such as video, voice, and circuit emulation, which require rigorous timing control and performance parameters.
- Variable Bit Rate-Real Time (VBR-rt): An ATM traffic management parameter that allows for applications where a PVC requires low cell delay variation. For example, VBR-rt would be utilized for applications such as variable bit rate video compression, and packet voice and video, which are somewhat tolerant of delay.
- Variable Bit Rate-Non Real Time (VBR-nrt): An ATM traffic management parameter that allows for applications where a PVC can tolerate larger cell delay variation than VBR-rt. For example VBR-nrt would be utilized for applications such as data file transfers.

In ATM transmission, Peak Cell Rate (PCR) is the highest available rate of information that can be transferred on a Variable Bit Rate connection, and the continuous cell rate allowed for Constant Bit Rate. Cells exceeding the Sustained Cell Rate and below the Peak Cell Rate will be limited to a maximum burst size. Customers may purchase PCR in 1 Mbps increments.

Frame Relay to ATM Service Interworking - An end user may send data from a premise location with a Frame Relay User to Network Interface (UNI) or a Network to Network Interface (NNI) to another premise with an Asynchronous Transfer Mode (ATM) Service UNI. Frame Relay to ATM Service Interworking provides for the conversion of Frame Relay packets to ATM cells and the conversion of ATM Cells to Frame Relay packets. Frame Relay Service(s) and ATM Service(s) must be established in order to provision a Frame Relay to ATM Service Interworking PVC. This conversion occurs between bandwidth equivalent CIR (Committed Information Rates) and SCR (Sustained Cell Rates). Cell conversion occurs at VBR-nrt.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.3 Obligations of the Company

The Company is responsible for service up to and including the network interface device.

The Company shall provision service over facilities suitable for ATM transmission, where available, for the effective maximum data rates of a DS1 (1.536 Mbps per second), DS3 (44.2 Mbps per second), OC3c (155 Mbps per second, concatenated) or OC12c (622.08 Mbps per second, concatenated).

Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the ATM switch out of service, during the predetermined maintenance window of 12:01 a.m. to 6:00 a.m. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Company reserves the right to temporarily interrupt ATM Service at other times in emergency situations.

.4 Obligations of the Customer

The customer must provide compatible equipment in accordance with interface specifications defined in ANSI Standards for ATM services.

The customer is responsible for the installation, operation and maintenance of any Customer Provided Equipment (CPE). The customer must specify the speed for each ATM port ordered. The customer must specify the SCR, PCR, and traffic management parameters at the time of the order for each PVC.

The customer shall be responsible for obtaining permission for the Company's agents or employees to enter Customer's designated location(s) at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

The customer must provide to the Company a point of contact with information to include the contact name, telephone number, mailing address, and electronic mail (e-mail) address for notification purposes.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.5 Rate Regulations

.5.1 Minimum Period

The minimum period for ATM Network Service is one year, except when provided under an Optional Payment Plan (OPP) arrangement. The regulations applicable to ATM Network Service provided under an OPP arrangement are specified under 1.6.

.5.2 Rate Elements

a. ATM UNI Port and Access Line

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., DS1, DS3, OC3c, or OC12c) apply per port for each ATM access line connection to the network supporting ATM Service. Each port can accommodate multiple PVCs.

b. ATM UNI Port

A nonrecurring charge and a monthly rate, based on the speed of the port connection (DS1, DS3, apply per port for each ATM access channel connection to the network supporting ATM Service. Each port can accommodate multiple PVCs.

Special access rates to the nearest Company ATM switch are in addition to the ATM UNI Port charges and are available from Ill. C.C. No. 15.

c. Sustained Cell Rate-Permanent Virtual Circuit (SCR-PVC)

A monthly rate applies for each PVC based on the SCR and traffic management parameter requested by the customer. SCR cannot exceed the port size.

d. Sustained Cell Rate – Additional

SCR - Additional provides for the customer to order additional SCR above the 50 Mbps available in this Catalog. A monthly recurring charge applies for each 5 Mbps of SCR - Additional ordered based on the traffic management parameter selected. This charge is in addition to the SCR.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.5 Rate Regulations (Cont'd)

.5.2 Rate Elements (Cont'd)

e. Peak Cell Rate (PCR)

Peak Cell Rate is the maximum data rate the customer may send data into the ATM network on a Permanent Virtual Circuit (PVC). The Peak Cell Rate on a PVC is defined as the Sustained Cell Rate plus the incremental Peak Cell Rate. Incremental Peak Cell Rate is available in 1 Mbps increments and is in addition to the Sustained Cell Rate.

f. Frame Relay to ATM Service Interworking

A monthly recurring charge applies, based on SCR ordered, for a Frame Relay to ATM Service Interworking PVC. Service includes SCR-PVC rates and equivalent Frame Relay CIR-PVC rates and provides for bandwidth transmission through the network. The minimum period for a Frame Relay Service to ATM Service Interworking PVC is one month.

.6 Optional Payment Plan (OPP)

.6.1 General

The terms and conditions specified herein are applicable to ATM Service and are in addition to other regulations as specified in this and other tariffs of the Company.

The ATM UNI Port with Access Line and ATM UNI Port Only rate elements are available under an OPP. Nonrecurring charges apply for initial OPP orders. NRCs will not be applied for changes in OPP lengths of Ports or Port and Access Lines. Digital special access lines and additional features are available at their tariffed rates and regulations.

Three-year and five-year OPP rates will be equal to or less than the one-year OPP rates. Decreases to the one-year OPP rates will flow through to the three-year and five-year OPP rates.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.6 Optional Payment Plan (OPP)

.6.1 General

Payment periods of one-year, three-years, and five-years are available to all customers at the applicable rates set forth in 1.7 regardless of when they subscribe to an OPP arrangement.

The customer must designate the payment period for the OPP.

Inside moves as specified in Ill. C.C. No. 15 will not incur termination liability charges.

Outside moves as specified in Ill. C.C. No. 15 will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

.6.2 Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a discontinuance of the existing OPP service and termination liability charges apply.

.6.3 Renewal Options

At the expiration of an OPP period, the Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period or discontinue service.

Conversion to a different OPP period will require the customer to submit a change order. Conversion of existing OPP service to a different OPP period will be allowed without application of any nonrecurring or Order Charges.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.6 Optional Payment Plan (OPP) (Cont'd)

.6.4 Notification of Discontinuance

A request for discontinuance of an OPP arrangement must be received by the Company at least 30 days prior to actual disconnect of service. Recurring charges will apply for a period of 30 days from the date the Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

.6.5 Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.

The fixed period plan for the upgraded service(s) meets or exceeds the remaining length of the existing fixed-period plan.

The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.

The monthly rates for the upgraded service and/or service elements will be those in effect at the time of the service upgrade.

Termination Liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) and is provided by the Company.

Nonrecurring Charges will not apply to the upgraded Port or Port and Access Line. Special construction charges, if appropriate, may apply.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.6 Optional Payment Plan (OPP) (Cont'd)

.6.6 Termination Liability

When an OPP arrangement is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

Charges will also be applicable if the number of services falls below the minimal amount of ATM services (port only or port and access) defined at the start of the contract. Charges are set forth below with the penalty assessed for each service that falls below the minimum number multiplied by the number of months required to attain the minimum contract commitment.

- One-Year OPP - 50% of any remaining portion of the first year's recurring charges for the in-service quantity.
- Three-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period for the in-service quantity.
- Five-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period for the in-service quantity.

.6.7 Termination Without Liability

During an OPP period, should the currently effective rate for the customer's service increase, the customer may, at his option, terminate the OPP arrangement without penalty or liability.

.6.8 Credit of Termination Liability

Credit of termination liability charges for ATM services may be applicable in the case of re-establishment of similar ATM service of equal to or higher speeds within six months of termination for the same length of the OPP. The amount of credit will be one-sixth of the penalty times the number of months service is re-established until the sixth month.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [2] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.7 Rates

	Nonrecurring Charge	Monthly Rate
.7.1 UNI Port and Access Line		
DS1		
One Year	$650.00	$650.00
Three Years	$650.00	$525.00
Five Years	$650.00	$500.00
DS3		
One Year	$1,500.00	$1,950.00
Three Years	$1,500.00	$1,750.00
Five Years	$1,500.00	$1,700.00
OC3c		
One Year	$1,500.00	$2,100.00
Three Years	$1,500.00	$1,950.00
Five Years	$1,500.00	$1,800.00
OC12c		
One Year	$3,000.00	$4,800.00
Three Years	$3,000.00	$4,600.00
Five Years	$3,000.00	$4,350.00
.7.2 UNI Port Only*		
DS1		
One Year	$650.00	$400.00
Three Years	$650.00	$370.00
Five Years	$650.00	$350.00
DS3		
One Year	$1,500.00	$985.00
Three Years	$1,500.00	$937.00
Five Years	$1,500.00	$920.00

[1] The associated regulations, rates and charges from Ill. C.C. No. 15 are in addition to the rates associated with these ATM rate elements.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.7 Rates (Cont'd)

.7.3 Sustained Cell Rate – Permanent Virtual Circuit (SCR-PVC)

	Monthly Rate		
	CBR	VBR-rt	VBR-nrt
0-32 Kbps	$12.00	$10.00	$8.00
33-64 Kbps	$22.50	$18.75	$15.00
65-96 Kbps	$33.00	$27.50	$22.00
97-128 Kbps	$43.50	$36.25	$29.00
129-192 Kbps	$54.00	$45.00	$36.00
193-256 Kbps	$63.00	$52.50	$42.00
257-320 Kbps	$72.00	$60.00	$48.00
321-384 Kbps	$81.00	$67.50	$54.00
385-512 Kbps	$90.00	$75.00	$60.00
513-768 Kbps	$97.50	$81.50	$65.00
769-1152 Kbps	$105.00	$87.50	$70.00
1.153-1.536 Mbps	$112.50	$93.75	$75.00
1.537-4 Mbps	$180.00	$150.00	$120.00
4-6 Mbps	$270.00	$225.00	$180.00
6-8 Mbps	$360.00	$300.00	$240.00
8-10 Mbps	$450.00	$375.00	$300.00
10-15 Mbps	$495.00	$412.50	$330.00
15-20 Mbps	$615.00	$512.50	$410.00
20-25 Mbps	$735.00	$612.50	$490.00
25-30 Mbps	$855.00	$712.50	$570.00
30-35 Mbps	$975.00	$812.50	$650.00
35-40 Mbps	$1,095.00	$912.50	$730.00
40-45 Mbps	$1,200.00	$1,000.00	$800.00
46-50 Mbps	$1,305.00	$1,087.50	$870.00
Sustained Cell Rate (SCR) – Additional			
5 Mbps	$105.00	$87.50	$70.00

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

ASYNCHRONOUS TRANSFER MODE – Grandfathered [1] (Cont'd) (C)

1. Asynchronous Transfer Mode (ATM) Service (Cont'd)

.7 Rates (Cont'd)

	Monthly Rate
.7.4 Peak Cell Rate (PCR)	
1 Mbps, each	$5.00
.7.5 Frame Relay to ATM Service Interworking	
0-32 Kbps	$14.00
33-64 Kbps	$26.25
65-96 Kbps	$38.50
97-128 Kbps	$50.75
129-192 Kbps	$63.00
193-256 Kbps	$73.50
257-320 Kbps	$84.00
321-384 Kbps	$94.50
385-512 Kbps	$105.00
513-768 Kbps	$113.75
769-1152 Kbps	$122.50
1.153-1.536 Mbps	$131.25
1.537-4 Mbps	$210.00
4-6 Mbps	$315.00
6-8 Mbps	$420.00
8-10 Mbps	$525.00
10-15 Mbps	$577.50
15-20 Mbps	$717.50
20-25 Mbps	$857.50
25-30 Mbps	$997.50
30-35 Mbps	$1,137.50
35-40 Mbps	$1,277.50
40-45 Mbps	$1,400.00

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (C)

1. Frame Relay Service

Effective June 6, 2003, Frame Relay Service is no longer available to new customers. Existing TPP/OPP customers may continue their service until their TPP/OPP expires or their service is disconnected, whichever occurs first. Existing month-to-month customers may continue their service until June 6, 2008 or until their service is disconnected, whichever occurs first. Moves, additions, or changes will not be permitted.

.1 General

Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds of 56 Kbps to 1.544 Mbps using Permanent Virtual Circuits (PVCs). Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations. This capability represents a significant advantage over traditional multipoint arrangements. In operation of Frame Relay Service, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC.

The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) standards set forth in technical publications.

Frame Relay Service is offered for intraexchange and intrastate application.

The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this and other tariffs of the Company.

The rates and charges set forth for Frame Relay Service provide for the furnishing of service where suitable facilities are available.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.1 General (Cont'd)

Frame Relay Service is a transport service that facilitates the exchange of variable length information units known as frames between end user locations. Each frame is passed to the Frame Relay Network with an address that specifies its destination. Variable frame length capacity is used for transporting both LAN-to-LAN and terminal-to-host type traffic.

Frame Relay Service is provided to the customer in the form of the Frame Access Line, the Frame Relay Port and one or more Permanent Virtual Circuits. The Frame Relay Access Line forms the local access component to the customer's serving central office. The Frame Relay Port includes the electronic equipment necessary to interface the Access Line to the Frame Relay switch.

The Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

.2 Definitions

Customer Designated Location (CDL) – The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Frame – A sequence of contiguous bits delimited by beginning and ending flag sequences.

Frame Relay Access Line – Frame Relay Access Lines provide access to the Frame Relay Service (FRS) Network.

Local Area Network (LAN) – A network permitting the interconnection and Intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel – A communications channel through the network that allows simultaneous transmission of sequenced data packets through the network.

Network Interface (NI) – The point at which a customer's data transmission first enters the network supporting Frame Relay Service is the Network Interface (NI). It is the point of interconnection between Company communications facilities and customer terminal equipment.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.2 Definitions (Cont'd)

Permanent Virtual Circuit (PVC) – A logical circuit that defines a specific path for data sent by the customer to another customer location. Multiple PVCs may be provisioned on one Frame Relay Access Line. The actual throughput of aggregated PVCs can never exceed the speed of the access line.

Port – The physical entry points for Access Lines. Ports include the electronic equipment used in connecting these service elements to the FRS Network.

Protocol – A set of conditions for conducting interactions between two or more terminals, host or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

Statistical Multiplexing – A multiplexing technique in which times lots are dynamically allocated on the basis of need rather than being predefined. The data is typically transmitted on a first come first served basis.

Virtual Circuit – A logical transmission channel established to a network address. The logical channel exists for a period of time until either end if the channel terminates the transmission.

.3 Obligations of the Customer

The customer's Frame Relay compatible terminal equipment has the responsibility for error correction. Frame Relay Service (FRS) nodes may discard frames with errors and may discard frames when the network supporting FRS is in a state of congestion. Where Frame Relay Service is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by the customer or user is causing or is likely to cause, such hazard or interference, Customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.3 Obligations of the Customer (Cont'd)

The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

It shall be the responsibility of the customer to ensure the continuing compatibility of customer-provided equipment that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with FCC rules and regulations.

The customer shall be responsible for obtaining permission for the Company's agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

.4 Obligations of the Company

The responsibility of the Company shall be limited to furnishing network equipment suitable for Frame Relay Service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. The Company is not responsible for adapting Frame Relay Service to the technological requirements of any specific customer equipment under the terms of this Catalog.

When a customer orders a PVC which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Company will provide advisory assistance as a part of the establishment of this PVC.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.4 Obligations of the Company (Cont'd)

The Company shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of the Company used in the provision of Frame Relay Service render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements otherwise required by law.

The Company undertakes the responsibility to maintain and repair the service which it furnishes. Network equipment installed by the Company on the customer's premises shall be and remain the property of the Company. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by the Company without prior written consent by the Company.

The Company, by written notice to the customer, may discontinue the furnishing of Frame Relay Service without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.

The Company has the service responsibility up to and including the network interface.

.5 Application of Rates and Charges

The minimum contract period for Frame Relay Service is one month based on a month-to-month payment arrangement. Optional Payment Plans (OPP) for one, three and five years are available. Customer must designate which payment option is desired at the time a firm order for service is placed.

A customer may access Frame Relay Service (FRS) via a Frame Access Relay Line of via Company-provided, digital, private line facilities. If a customer utilizes private line facilities or private line transport to access FRS, the associated regulations, rate and charges for such facilities shall apply in addition to the rates and charges associated with the FRS elements.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.5 Application of Rates and Charges (Cont'd)

A customer utilizing private line facilities to access FRS would not incur a nonrecurring charge, or monthly rate for a Frame Relay Access Line, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installation and provisioning of Frame Relay Service.

When a customer orders additional PVCs or changes PVC assignments on a given FRS port after the initial port installation, the Frame Relay PVC nonrecurring charge shall apply.

The PVC must be associated with at least one Frame Relay Port. A customer must subscribe to at least one Frame Relay Port Line. A Frame Relay Port can be associated with any number of PVCs. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Port to exceed the bandwidth of that Frame Access Line. Such a relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

No PVC can have a greater bit rate than the bit rate of the associated Frame Relay Port.

A customer subscribing to a Frame Relay Port will be referred to as the Controller of the service. A customer may request data transmission capability to another customer. Both customers must have a Frame Relay Port (FRP). The Controller of each FRP must have written permission from the Controller of each FRP to which a PVC is requested.

The Frame Relay Port and PVC may be ordered and billed independently. A request by one customer to discontinue PVC does not result in the disconnection of the Frame Access Line and Port. Only the Controller of a Frame Access Line and Port may authorize a disconnect of that service.

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.5 Application of Rates and Charges (Cont'd)

.5.1 Optional Payment Plans (OPP)

A customer may convert a new OPP period to the completion of a selected OPP, subject to the following conditions:

No credit toward the new payment period will be given for payments made under the original OPP arrangement.

Nonrecurring charges will not be reapplied for existing services.

If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges will apply.

At the expiration of an OPP, the Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

Conversion to a different OPP or to a month-to-month option will require the customer to submit a change order; however, no nonrecurring charges will apply.

.5.2 Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

- One Year OPP - 50% of any remaining portion of the first year's recurring charges.
- Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.
- Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate to OPP arrangement without penalty or liability.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

1.5 Application of Rates and Charges (Cont'd)

.5.3 Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the network interface. (Changes in the physical location of the network interface are treated as moves and are described and charged for as set forth herein.)

a. Additions to Service

With the exception of Frame Relay PVCs, when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added. When PVCs are added to an existing Frame Relay Service, the minimum period for the added PVCs is one month.

Nonrecurring charges will apply for all additions to existing services or optional features for which nonrecurring charges normally apply at installation. Nonrecurring charges for additional PVCs will be required if PVCs are not purchased with a Frame Relay Port at the time of the original service request.

Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s).

b. Upgrades in Speed or Capacity

Should the customer upgrade to a higher speed or greater capacity, discontinuance charges will not apply provided all the following conditions are met:

- Both the existing and new services are of the same service type; e.g., both Frame Relay Service;
- Both the existing and the new services are provided solely by the Company;
- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time;
- The new service will be provided at the same customer location as the discontinued service.

Should the order to upgrade exclude one or more of the conditions listed above, it will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges will apply.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.5 Application of Rates and Charges (Cont'd)

.5.3 Service Rearrangements (Cont'd)

c. Administrative Changes

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes may include but are not limited to the following:

- Change of customer name, i.e., the customer of record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number), and
- Change of customer contact name or telephone number.

.5.4 Rate Elements

a. Frame Relay with Port and Access - A nonrecurring charge and monthly rate, both based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps 384 Kbps or 1.544 Mbps) apply per port for each physical connection to the network supporting Frame Relay Service. Each port includes one PVC and can accommodate multiple PVCs.

b. Frame Relay with Port only - A nonrecurring charge and monthly rate, based on the speed of the port connection, and the number of PVCs assigned to the port, apply per port for each Frame Relay Access Line or digital Special Access Line connection to the network supporting Frame Relay Service. Each port includes one PVC and can accommodate multiple PVCs. For Special Access Lines, refer to Frontier North Inc. Tariff Ill. C.C. No. 15, Facilities for Intrastate Access.

c. Frame Relay PVC (FR-PVC) - A nonrecurring charge and a monthly rate apply for each PVC added. The nonrecurring charge applies only for subsequent additions and deletions of PVCs. A nonrecurring charge applies for each subsequent order of PVC(s) to be added to PVC assignment(s) changed on an existing FRS.

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GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.6 Rates

	Nonrecurring Charge	Monthly Rate
.6.1 Frame Relay Service with Port and Access, each		
56 Kbps		
Month to Month	$195.00	$110.00
One Year	$195.00	$105.00
Three Years	$195.00	$95.00
Five Years	$195.00	$85.00
128 Kbps		
Month to Month	$395.00	$200.00
One Year	$395.00	$190.00
Three Years	$395.00	$175.00
Five Years	$395.00	$165.00
256 Kbps		
Month to Month	$395.00	$285.00
One Year	$395.00	$270.00
Three Years	$395.00	$255.00
Five Years	$395.00	$240.00
384 Kbps		
Month to Month	$395.00	$365.00
One Year	$395.00	$345.00
Three Years	$395.00	$335.00
Five Years	$395.00	$320.00
1.544 Mbps		
Month to Month	$595.00	$530.00
One Year	$595.00	$510.00
Three Years	$595.00	$490.00
Five Years	$595.00	$470.00

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [2] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.6 Rates (Cont'd)

	Nonrecurring Charge	Monthly Rate
.6.2 Frame Relay Service with Port Only, each [1]		
56 Kbps		
Month to Month	$95.00	$45.00
One Year	$95.00	$43.00
Three Years	$95.00	$41.00
Five Years	$95.00	$38.00
128 Kbps		
Month to Month	$295.00	$90.00
One Year	$295.00	$85.00
Three Years	$295.00	$80.00
Five Years	$295.00	$75.00
256 Kbps		
Month to Month	$295.00	$135.00
One Year	$295.00	$130.00
Three Years	$295.00	$120.00
Five Years	$295.00	$110.00
384 Kbps		
Month to Month	$295.00	$190.00
One Year	$295.00	$180.00
Three Years	$295.00	$170.00
Five Years	$295.00	$160.00
1.544 Mbps		
Month to Month	$495.00	$300.00
One Year	$495.00	$285.00
Three Years	$495.00	$265.00
Five Years	$495.00	$245.00

[1] The access line facility regulations, rates and charges from the Company's Tariff Ill. C.C. No. 15 are in addition to the rates shown below.

[2] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

FRAME RELAY – Grandfathered [1] (Cont'd) (C)

1. Frame Relay Service (Cont'd)

.6 Rates (Cont'd)

	Nonrecurring Charge	Monthly Rate
.6.3 Frame Relay Service PVC, each		
Month to Month	$20.00	$8.00
One Year	$20.00	$7.00
Three Years	$20.00	$6.00
Five Years	$20.00	$5.00

[1] Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay/ATM] Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE

1. General

.1 Transparent LAN Service (TLS) is a high-speed data service which uses a shared fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps and 1000 Mbps from the customer's LANs to the shared network.

.2 TLS creates a network with the ability to function as a shared public network. TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

.3 TLS facilities are only available in exchanges where technically feasible.

2. Definitions

Domain: A Virtual Local Area Network or a collection of circuits that belong to one Closed User Group. Closed User Groups, also known as Virtual LANs (VLANs), are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. Users in a group can only access their own data.

Megabit Per Second (Mbps): The speed where data is being transferred in the network, where one Megabit Per Second equals to the transfer rate of 1 million bits of data in 1 second.

Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter.

3. Service Description

TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS). The customer must select either EMS or ERS as the service type for each domain:

.1 Ethernet Multipoint Service (EMS) is a connection-less Ethernet TLS service that allows connectivity among multiple customer designated locations within a Market Service Area (MSA).

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

3. Service Description (Cont'd)

.1 (Cont'd)

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the customer's access lines within a given domain. TLS may be used to access shared networks. In such cases, subscribers in a CUG can only access their own data.

.2 Ethernet Relay Service (ERS) is a connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer designated locations within an MSA.

With the ERS service type, each Ethernet Virtual Circuit (EVC) establishes a virtual LAN or CUG. An ERS domain is comprised of any number of virtual LANs designated by the customer to be included in the ERS domain. ERS provides point-to-point connectivity between pairs of customer's access lines, Internet virtual circuits, and shared network services within a given domain.

A customer may have more than one domain within an MSA, but connections between domains are not permitted. TLS may be used to access shared networks. In such cases, subscribers in a CUG can only access their own data.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

3. Service Description (Cont'd)

.2 (Cont'd)

Four EVC service classes are available for use with the ERS service type:

ERS Standard (ERS-Std) and ERS Basic (ERS-B) are designed for customer applications that do not require a Committed Information Rate (CIR) or low delay, where CIR = 0 and Excess Information Rate (EIR) = # of Mbps of the selected ERS-Std/ERS-B EVC service class.

ERS-Priority Data (ERS-PD) is designed for customer applications which do not require low delay, but require a CIR, where CIR = # of Mbps of the selected ERS-PD EVC service class and EIR = # of Mbps of the selected ERS-PD EVC service class.

ERS Real Time (ERS-RT) is designed for customer applications which require a CIR and low delay for some portion of their traffic, where CIR = # of Mbps of the selected ERS-RT EVC service class and EIR = 0.

An ERS EVC can include up to three service classes (ERS-B, ERS-PD and ERS-RT) as described above within each EVC. The customer will be required to identify the B, PD and RT Class of Service Ethernet frames by one of the following choices, as appropriate:

setting the VLAN Class of Service (CoS) ID (for 802.1q tagged Ethernet Frames); or
setting the DiffServ Code Point (DSCP) (for tagged or untagged Ethernet frames); or
setting the VLAN ID (for tagged or untagged Ethernet frames).

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

4. Conditions

.1 A TLS network will be limited to central offices in a specific geographic location. Customers gain access to the shared TLS network via TLS equipment deployed in the customer's serving central office or deployed in leased space near the customer's location. Customers gain access to the shared TLS network via a switch, node or other Company equipment delivering service through a shared fiber path or network infrastructure and deployed in the customer's serving central office (TLS equipped central office) or deployed in leased space near the customer's location. At subscription, the customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps or 1000 Mbps.

.2 TLS is available to customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum dB loss cannot exceed 20dB @1310nm for 10 Mbps service, 26dB @1310nm for 100 Mbps service, and 22dB @ 1550nm for 1000 Mbps service depending on the customer's distance from the TLS equipped central office. The dB loss rate will vary based on the specifics of the facility used in each serving arrangement.

.3 If the customer's serving central office is not equipped with TLS equipment, the customer may obtain service from a TLS equipped central office, by paying the Interoffice Mileage charge in addition to TLS charges. The dB loss cannot exceed the maximum allowable range, as specified in 4.2.

.4 Provision of Service

The TLS service will consist of:

- Network Interface Device (NID) at the customer's premises to terminate the fiber pair.
- Dedicated fiber pair from the customer's premises to the serving central office.
- Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.
- Dedicated Port on the switch.
- Interoffice Mileage, where applicable.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

4. Conditions (Cont'd)

.5 Availability of Service

TLS will be provided seven days a week, 24 hours a day, from central offices equipped to provide this service.

ERS Service, including Premier Access Lines and ERS-Std, ERS-B, ERS-PD, and ERS-RT EVCs, as defined in 3.2, will only be available from central offices equipped to support ERS service.

.6 Connections

The network interface is the LAN interface on the TLS equipment at the customer's premises. The customer is responsible for any inside wire required in connecting the LAN to the TLS equipment.

The customer is also responsible for installation, operation and maintenance of any customer-provided equipment.

The Company has the service responsibility up to and including the network interface.

.7 Limitations

The customer's location must be within the maximum allowable range of the TLS equipped central office, as defined in 3.3.

.8 Maintenance Window

To meet the customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally, these upgrades will be performed between the hours of 11 PM and 6 AM. Network upgrades are planned to provide customers reasonable and timely notification in order to minimize any impact on the customers' service.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

4. Conditions (Cont'd)

.9 Technical Specifications

The technical specifications for TLS are delineated in Institute of Electrical and Electronic Engineers (IEEE) 802.3-2000.

.10 Transmission Mode

The transmission mode supported is dependent on the access rate. The supported transmission mode for 10 Mbps access is half duplex and full duplex. Full duplex 10 Mbps access is available only where conditions and facilities permit. The supported transmission mode for 100 Mbps and 1000 Mbps access is full duplex.

.11 TLS is available where facilities and conditions permit. Special construction charges may apply.

5. Application of Rates and Charges

.1 The following rate elements are applicable to TLS:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC)
- Interoffice Mileage
- Domain/LAN Extension Equipment Changes
- Optional Features

.1.1 UNI Port with Access Line Connection

a. Standard Access Line (available for EMS or ERS Service Type)

A monthly rate applies on a per line basis based on the speed of the access connection (i.e., 10 Mbps, 100 Mbps or 1000 Mbps). The Standard Access Line is offered on a month-to-month basis or as a three-year or five-year Term Payment Plan. A nonrecurring charge applies to the installation of the Standard Access Line provided on a month-to-month basis.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.1 The following rate elements are applicable to TLS: (Cont'd)

.1.1 UNI Port with Access Line Connection (Cont'd)

b. Protected Access Line (available for EMS Service Type only)

Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Line allows the Company, in most situations, to detect and recover a failure and move the customer's data to an alternate fiber pair in approximately one second in most instances. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.

A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). The Protected Access Line is offered as a month-to-month basis or as a three- or five-year Term Payment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a month-to-month basis.

c. Premier Access Line (available for ERS Service Type only)

A monthly rate applies on a per -line basis, based on the speed of the access line (i.e., 10 Mbps, 100 Mbps, 1000 Mbps). A Premier Access Line must be purchased in conjunction with some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, which are described in 3.2 preceding. The Premier Access Line is offered on a month-to-month basis or as a three- or five-year Term Payment Plan. A nonrecurring charge applies to the installation of the Premier Access Line provided on a month-to-month basis. A customer cannot mix Premier Access Lines with any other access line type.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.1 The following rate elements are applicable to TLS: (Cont'd)

.1.1 UNI Port with Access Line Connection (Cont'd)

c. Premier Access Line (available for ERS Service Type only) (Cont'd)

The percentage of each Premier Access Line UNIs allowed for EVC bandwidth is limited, where connections must comply with each of the following threshold requirements:

ERS-B less than or = to 500% of UNI speed
ERS-PD less than or = to 85% of UNI speed
ERS-RT less than or = to 50% of UNI speed
ERS-PD + ERS-RT less than or = to 85% of UNI speed
ERS-B + ERS-PD + ERS-RT less than or = to 500% of UNI speed

d. EMS Real Time (EMS-RT) Access Line (available for EMS Service Type only)

A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). This enhanced service class configures a fixed portion of the UNI for Real Time Traffic, where each 100 Mbps UNI has CIR = 5 Mbps with EIR = 0, or each 1000 Mbps UNI has CIR = 20 Mbps with EIR = 0. The remainder of the UNI can be used for CIR = 0 and EIR = 0 traffic. The EMS-RT Access Line is offered on a month-to-month basis or as a three- or five-year Term Payment Plan. A nonrecurring charge applies to the installation of the EMS-RT provided on a month-to-month basis. A customer cannot mix an EMS-RT Access Line with the ERS Service type but may mix EMS-RT Access Line with EMS Access Lines.

.1.2 Ethernet Virtual Circuit (EVC)

For customers who order the ERS Service Type with a Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS-Std is the only EVC class available with the ERS Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS-Std EVCs are purchased on a month-to-month basis. A non-recurring setup charge will apply per ERS-Std EVC.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.1 The following rate elements are applicable to TLS: (Cont'd)

.1.2 Ethernet Virtual Circuit (EVC) (Cont'd)

For customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line customers have the choice of combining ERS-B, ERS-PD, and/or ERS-RT bandwidth on an EVC. A non-recurring setup charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A customer may have more than one service class on the EVC but will only pay one EVC non-recurring setup charge.

The number of EVCs permitted on each Standard Access Line and/or Premier Access Line are limited as follows:

10 Mbps less than or = to 2 EVCs
100 Mbps less than or = to 16 EVCs
1000 Mbps less than or = to 75 EVCs

ERS-Basic, ERS-Priority Data and ERS-Real Time EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:

EVC Service Class	100 Mbps UNI Max/EVC	1000 Mbps UNI Max/EVC
ERS-B	100 Mbps	1000 Mbps
ERS-PD	50 Mbps	500 Mbps
ERS-RT	50 Mbps	100 Mbps

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.1 The following rate elements are applicable to TLS: (Cont'd)

.1.3 Interoffice Mileage

The Interoffice Mileage charge is based on the Per Mile charge multiplied by the distance between the customer's serving central office and the nearest TLS equipped central office. This interoffice distance is measured in airline miles, based upon latitude and longitude of each central office. The mileage measurement is calculated as specified by National Exchange Carriers Association (NECA) Tariff FCC No. 4. The mileage rate applies on a per mile basis. This charge applies in addition to the applicable rates and charges for the TLS Access Line.

.1.4 Domain/LAN Extension Equipment Changes

Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location per change.

.1.5 Optional Features

a. Customer Service Management (CSM)

Customer Service Management (CSM) is an optional feature that provides customers with web-based reports. These reports give the customer the ability to extract "read-only" network traffic information regarding their networks thereby allowing customers to monitor and manage their network performance. CSM is provided per customer Domain/VLAN.

CSM will be provided where conditions and facilities permit.

The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.2 Minimum Period

The minimum period for TLS under the month-to-month plan is nine months. The regulations applicable to TLS provided under a Term Payment Plan are specified in 5.5.

.3 Term Payment Plans

The Standard Access Line, Protected Access Line, Premier Access Line and/or EMS Real Time Access Line are offered under a three- or five-year Term Payment Plan.

.4 Moves and Changes

When the customer requests a move or relocation of the Standard Access Line, Protected Access Line, Premier Access Line or EMS Real Time Access Line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all installation charges. When the customer requests an upgrade in service speed, or change in service type, at an existing address, the upgrade in service speed/change in service type will be treated as a termination of the existing service and the establishment of a new service with the application of all charges.

.5 Termination Liability

In the event TLS is terminated by the customer prior to completion of the term commitment period, the customer shall be liable for payment of termination liability charges as set forth in Section 11, Paragraph 32. A change in TLS service type will be considered a change to another service for purposes of determining Termination Liability charges.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs)

Service Level Agreements (SLAs) provide TLS customers with Service Response Credits (SRCs) applied to their Frontier North Inc. bill if the Company fails to meet certain operational and network thresholds. SLAs are available at no additional charge or fee to the customer.

A customer is eligible for the SLA SRC given the customer adheres to the conditions stated within this section. The SLA specifies performance criteria against which actual performance for TLS will be compared on a monthly basis.

The TLS SLA includes the following measurements:

- -Operational SLAs
- -Mean Time to Repair (MTTR)
- -Network Availability
- -Network Performance SLAs
- -Ethernet Virtual Circuit (EVC) Class of Service (CoS) Performance
  - -Data Delivery Ratio (DDR)
  - -Round Trip Delay (RTD)
  - -Jitter

The SLA SRC will apply to the following TLS elements:

- -UNI Port with Access Line Connection
- -Ethernet Virtual Circuit (EVC) Bandwidth

To receive SRCs on eligible rate elements, the customer must have the eligible rate elements listed in the initial subscription based on the established customer of record or have ordered the eligible rate elements subsequent to the initial subscription. The Company reserves the right to change, alter or discontinue the optional SRC plan at its discretion.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

All service performance and provisioning measurements are conducted using the Company monitoring systems and procedures. The Company may change these systems and procedures at its sole discretion. In performing measurements of overall Mean Time to Repair (MTTR) and Network Availability, the Company shall include data measured throughout the territories covered by this tariff.

To receive credit, the Company must receive from the customer a written request for credit within thirty (30) calendar days of the end of the monitoring period that the SRC is referencing. The customer's request for credit must be submitted to the appropriate Company entity (office or interface) in a manner prescribed by the Company. The request must include a list of all impacted circuit/connection identification numbers and the type of SRC requested for each circuit/connection. The SRC monitoring period is based on a calendar month.

.6.1 Operational SLAs

a. Mean Time to Repair (MTTR)

MTTR is the average mean time for the Company to repair customer reported interruptions for service that is within the Company's network. A TLS service is interrupted when it becomes unusable to the customer because of a failure of a facility component within the Company's network that is used to furnish service under this tariff.

MTTR Measurement

Under the MTTR SLA, the Company will measure the average Time to Repair (TTR) for customer-reported interruptions in the services with respect to TLS Access Lines. To be measured under this SLA, the customer must report any interruption to a Company-designated entity for the opening of a trouble ticket. The TTR is measured from the date and time a trouble ticket is opened by the Company and the date and time when such ticket is closed by the Company. In measuring the TTR, any stop clock time or adjusted duration time associated with the trouble shall be subtracted from such measurement.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.1 Operational SLAs (Cont'd)

a. Mean Time to Repair (MTTR) (Cont'd)

MTTR Measurement (Cont'd)

For purposes of this measurement, stop clock time refers to

(1) periods when the customer testing is occurring;

(2) periods when the Company is awaiting the customer's authorization to commence work on a TLS Access Line;

(3) periods when the Company is denied access to the customer's premises or facilities as necessary to diagnose, repair or test;

(4) periods following a repair of a TLS Access line when the ticket is held open by the customer to ensure the trouble is resolved; and,

(5) any time period during which any of the listed occurrences existed, as set forth in .6.4 SLA Exclusions following.

The SLA shall not apply to cases of trouble where no trouble was found or repeated cases of trouble for the same interruption. The MTTR SLA shall be measured on a calendar month basis and shall be calculated by adding the TTR for all interruptions and dividing that sum by the total number of trouble tickets opened for interruptions for the customer during that month.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.1 Operational SLAs (Cont'd)

a. Mean Time to Repair (MTTR) (Cont'd)

MTTR SRCs

If the MTTR is greater than four (4) hours over the calendar month, then 50% of the one-month TLS Access Line monthly charge shall be given as a MTTR SRC for those Access Lines which have been out of service for longer than four (4) hours and have been reported by the customer via a trouble ticket to the Company. The MTTR SRC credit excludes and is not applicable to scheduled maintenance, scheduled downtimes or delays resulting from an event of force majeure.

Under the MTTR SLA, the Company will measure the average Time to Repair (TTR) for customer-reported interruptions in the services with respect to TLS Access Lines. To be measured under this SLA, the customer must report any interruption to a Company-designated entity for the opening of a trouble ticket. The TTR is measured from the date and time a trouble ticket is opened by the Company and the date and time when such ticket is closed by the Company. In measuring the TTR, any stop clock time or adjusted duration time associated with the trouble shall be subtracted from such measurement.

b. Network Availability

Network Availability refers to the percentage of time during a calendar month that the TLS is available for use by the customer.

Network Availability Measurement

The Company threshold for Network Availability is 99.90%. Network Availability is calculated on a per TLS Port Connection basis as follows:

((24 X Number of Days in Month X Number of TLS Port Connections) – (Number of Hours Out of Service during Month)) / (24 X Number of Days in Month X Number of TLS Port Connections).

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.1 Operational SLAs (Cont'd)

b. Network Availability (Cont'd)

Network Availability Measurement (Cont'd)

The Company will not round up the calculation to reach the 99.90% threshold. This SLA is only available for outages reported by the customer via a trouble ticket to the Company.

Network Availability SRCs

If the overall Network Availability measurement is less than the threshold of 99.90% for a calendar month, the Company will provide a credit equal to ten percent (10%) of the associated monthly charge for any individual TLS port connection that did not meet such threshold during such calendar month.

.6.2 Network Performance SLA

Network Performance SLA applies to all customers subscribing to an EVC Class of Service (CoS) within a local network consisting of the following types:

- Real Time EVC bandwidth CoS, and
- Priority Data EVC bandwidth CoS.
- All other EVCs do not qualify for Network Performance SLAs.

The performance SLA is hierarchical in nature and statistically-based. Conformance is determined on a Met or Missed basis, first on a per-hour basis and then on a per-month conformance basis.

Per-Hour Conformance - For each hour in the month, a determination is made as to whether the performance objectives are 'Met' for the CoS attributes related to the CoS instance on a given EVC. For a given Hour (e.g., H1), the overall performance objective is 'Met' if the performance objectives for each of the Data Delivery Ratio (DDR), Round Trip Delay (RTD), and Jitter, attributes are 'Met'. If any of the attribute objectives are 'Missed', then the overall performance objective for Hour (H1) is determined to be 'Missed'.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.2 Network Performance SLA (Cont'd)

Per-Month Conformance - For the month, a determination is made as to the percentage of hours that the overall performance objective is 'Met'. So, for a given Month (e.g., M1), the monthly performance guarantee is 'Met' if the % of hours 'Met' for the month meet or exceed the monthly objective.

EVC Class of Service Network Performance SLA shall be based on the following Ethernet frame traffic criteria:

a. Data Delivery Ratio (DDR)

DDR is defined as the ratio of service frames successfully received from the network relative to the number of service frames offered to the network. The DDR definition is restricted to service frames that are compliant to the subscribed Committed Information Rate (CIR) profile. Interruptions caused by MTTR activity shall be excluded from the measurement of DDR.

Real Time EVC Bandwidth - Data Delivery Ratio
The Company threshold for Data Delivery Ratio is 99.5% in a calendar month.

Real Time EVC Bandwidth - Data Delivery SRCs
If the overall Data Delivery measurement does not meet the per month conformance, the Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

Priority Data EVC Bandwidth - Data Delivery Ratio
The Company threshold for Data Delivery Ratio is 99% in a calendar month.

Priority Data EVC Bandwidth - Data Delivery SRCs
If the overall Data Delivery measurement does not meet the per month conformance, the Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.2 Network Performance SLA (Cont'd)

b. Round Trip Delay (RTD)

RTD is defined as the time (in milliseconds) it takes for a service frame to be sent from one UNI to another UNI and back again (includes link insertion delays, propagation delays and queuing delays in the network). The RTD calculation includes only the time the packet is in the network, i.e., the processing time spent in devices attached to the UNI are factored out of the definition. The RTD definition is restricted to service frames that are compliant to the subscribed CIR profile.

Real Time EVC Bandwidth - Delay Measurement

The Company threshold for Delay is 20 milliseconds.

Real Time EVC Bandwidth - Delay SRCs

If the overall delay measurement does not meet the per month conformance, the Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

Priority Data EVC Bandwidth - Delay Measurement

The Company threshold for Delay is 50 milliseconds.

Priority Data EVC Bandwidth - Delay SRCs

If the overall delay measurement does not meet the per month conformance, the Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.2 Network Performance SLA (Cont'd)

c. Jitter

Jitter is defined as the variance in frame delay (in milliseconds) between two service frames as measured at the ingress and egress UNIs. The jitter definition is restricted to service frames that are compliant to the subscribed CIR profile.

Real Time EVC Bandwidth - Jitter Measurement

The Company threshold for Delay is 5 milliseconds.

Real Time EVC Bandwidth - Jitter SRC

If the overall jitter measurement does not meet the per month conformance, the Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

.6.3 Validation for Operational and Network Performance SLAs

a. Customer Validation

Operational SLAs:

The customer must submit in writing a list of all rate elements, impacted circuit/connection identification numbers and the type of SRC requested for each circuit/connection. The written request for credit must be submitted to the appropriate Company entity in the manner prescribed by the Company.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.3 Validation for Operational and Network Performance SLAs (Cont'd)

a. Customer Validation (Cont'd)

Network Performance SLAs:

The customer must request SRCs for Network Performance SLAs and may submit in support of such request its own measurements made by industry-standard network performance measuring equipment. Such equipment shall be subject to prior approval by the Company and be capable of the following:

For the DDR SLA, the equipment must be capable of determining the number of actual packets sent and successfully received between two (2) customer locations.

For the RTD SLA, the equipment must be capable of measuring the transmission of a series of 128-byte time-stamped packets to a measurement system from one customer location to another customer location. The measurement systems must be time-synchronized by using a network-based timing source that uses Greenwich Mean Time (GMT).

For the Jitter SLA**,** the equipment must be capable of measuring the transmission of a series of at least fifty (50), 128-byte time stamped packets at a fixed interval between each packet from one customer location to a measurement system at another customer location. The measurement systems must be time-synchronized by using a network-based timing source that uses Greenwich Mean Time (GMT).

All equipment must be capable of measuring from edge to edge (Customer Premises Equipment (CPE) to CPE) and to make the measurement every five (5) minutes per hour for four (4) hours total per day, for a total of two-hundred and forty (240) measures per day. In order to be considered, such measurements must include at least seven consecutive days' worth of measurements for four (4) hours per day.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.3 Validation for Operational and Network Performance SLAs (Cont'd)

b. Company Validation

The Company will research and validate the customer-submitted SRC in accordance with its own procedures and systems. The Company may, at its discretion, use either the customer-provided data or its own measurement data (or above mentioned formulas) to evaluate and assess whether SRCs are warranted.

.6.4 SLA Exclusions

SLAs do not apply to the extent that any of the following reasons prevented the Company from meeting such SLAs:

a. The acts of the customer or other party authorized by the customer to use the TLS circuit/connection, including but not limited to customer's negligence, customer's refusal to grant the Company reasonable access to its premises for testing/repair, customer's refusal to release the TLS circuit/connection for testing and/or repair, customer's maintenance activities or its rearrangement of the TLS circuit/connection or where the customer has exceeded the purchased EVC bandwidth;

b. Subsequent reports (i.e., additional customer inquiries) while the trouble is pending;

c. Service troubles closed due to the customer's action;

d. Service troubles repaired by the Company prior to its receipt of a trouble report;

e. Service trouble caused by the customer's CPE or facilities on its side of the demarcation point or any power, equipment, service or systems not provided by the Company;

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

5. Application of Rates and Charges (Cont'd)

.6 Service Level Agreements (SLAs) (Cont'd)

.6.4 SLA Exclusions (Cont'd)

f. An Interruption related to the provisioning of a new TLS Access Line or Access Lines in service for less than a month;

g. Scheduled maintenance and downtimes;

h. Unavailability of network monitoring or management equipment or reporting;

i. Any other reason outside the control of the Company.

.6.5 Limitations on SRCs

The combined total of any SRCs applied to the customer's TLS service for a calendar month must meet the following conditions:

a. For any calendar year, the total SRCs shall not exceed ten percent (10%) of the total annual revenue of the prior calendar year billed to the customer for qualifying service elements, or $200,000 per customer, whichever is less. For any calendar year in which the customer had less than twelve (12) full months of revenue for qualifying service elements in the prior calendar year, the SRCs may not exceed $20,000 per customer for TLS Network.

b. To receive an SRC, the customer must request such SRC in writing within thirty (30) calendar days of the end of the monitoring period of the referenced SRC. The request must include a list of all impacted EVC identification numbers and the type of SRC requested for each EVC.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges

	Nonrecurring Charge [1]	Monthly Rate
.1 UNI Port with Access Line Connection		
a. Standard Access Line, per line		
Month-to-Month		
10 Mbps	$1,300.00	$1,200.00
100 Mbps	$1,300.00	$2,400.00
1000 Mbps	$1,300.00	$4,000.00
Three-Year Plan		
10 Mbps	N/A	$1,000.00
100 Mbps	N/A	$2,000.00
1000 Mbps	N/A	$3,500.00
Five-Year Plan		
10 Mbps	N/A	$900.00
100 Mbps	N/A	$1,800.00
1000 Mbps	N/A	$3,200.00
b. Protected Access Line, per line		
Month-to-Month		
100 Mbps	$1,300.00	$3,600.00
1000 Mbps	$1,300.00	$6,000.00
Three-Year Plan		
100 Mbps	N/A	$3,000.00
1000 Mbps	N/A	$5,200.00
Five-Year Plan		
100 Mbps	N/A	$2,700.00
1000 Mbps	N/A	$4,800.00

[1] Applies in lieu of service charges set forth in this Catalog.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.1 UNI Port with Access Line Connection (Cont'd)		
c. Premier Access Line, per line		
Month-to-Month		
10 Mbps	$1,300.00	$1,075.00
100 Mbps	$1,300.00	$1,200.00
1000 Mbps	$1,300.00	$2,400.00
Three-Year Plan		
10 Mbps	N/A	$875.00
100 Mbps	N/A	$1,000.00
1000 Mbps	N/A	$2,000.00
Five-Year Plan		
10 Mbps	N/A	$775.00
100 Mbps	N/A	$900.00
1000 Mbps	N/A	$1,800.00
d. EMS – Real Time Access Line, per line		
Month-to-Month		
100 Mbps	$1,300.00	$2,500.00
1000 Mbps	$1,300.00	$4,500.00
Three-Year Plan		
100 Mbps	N/A	$2,100.00
1000 Mbps	N/A	$4,000.00
Five-Year Plan		
100 Mbps	N/A	$1,900.00
1000 Mbps	N/A	$3,700.00

[1] Applies in lieu of service charges set forth in this Catalog.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 ERS Standard Ethernet Virtual Circuit, per EVC		
a. ERS EVC Setup, per EVC	$200.00	N/A
b. ERS EVC Standard (ERS-Std), per EVC		
10 Mbps	N/A	$50.00
100 Mbps	N/A	$100.00
1000 Mbps	N/A	$200.00
c. ERS EVC Basic (ERS-B) Bandwidth, per Class		
1 Mbps	N/A	$15.00
2 Mbps	N/A	$30.00
3 Mbps	N/A	$45.00
4 Mbps	N/A	$60.00
5 Mbps	N/A	$75.00
6 Mbps	N/A	$90.00
7 Mbps	N/A	$105.00
8 Mbps	N/A	$120.00
9 Mbps	N/A	$135.00
10 Mbps	N/A	$150.00
20 Mbps	N/A	$300.00
30 Mbps	N/A	$450.00
40 Mbps	N/A	$600.00
50 Mbps	N/A	$750.00
60 Mbps	N/A	$850.00
70 Mbps	N/A	$950.00
80 Mbps	N/A	$1,050.00
90 Mbps	N/A	$1,150.00
100 Mbps	N/A	$1,250.00
200 Mbps	N/A	$1,350.00
300 Mbps	N/A	$1,450.00
400 Mbps	N/A	$1,550.00
500 Mbps	N/A	$1,650.00
600 Mbps	N/A	$1,740.00
700 Mbps	N/A	$1,830.00
800 Mbps	N/A	$1,920.00
900 Mbps	N/A	$2,010.00
1000 Mbps	N/A	$2,100.00

[1] Applies in lieu of service charges set forth in this Catalog.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 ERS Standard Ethernet Virtual Circuit, per EVC (Cont'd)		
d. ERS EVC Priority Data (ERS-PD) Bandwidth, per Class		
1 Mbps	N/A	$40.00
2 Mbps	N/A	$80.00
3 Mbps	N/A	$120.00
4 Mbps	N/A	$160.00
5 Mbps	N/A	$200.00
6 Mbps	N/A	$220.00
7 Mbps	N/A	$240.00
8 Mbps	N/A	$260.00
9 Mbps	N/A	$280.00
10 Mbps	N/A	$300.00
20 Mbps	N/A	$600.00
30 Mbps	N/A	$900.00
40 Mbps	N/A	$1,200.00
50 Mbps	N/A	$1,500.00
60 Mbps	N/A	$1,720.00
70 Mbps	N/A	$1,940.00
80 Mbps	N/A	$2,100.00
90 Mbps	N/A	$2,300.00
100 Mbps	N/A	$2,500.00
200 Mbps	N/A	$2,700.00
300 Mbps	N/A	$2,900.00
400 Mbps	N/A	$3,100.00
500 Mbps	N/A	$3,300.00

[1] Applies in lieu of service charges set forth in this Catalog.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.2 ERS Standard Ethernet Virtual Circuit, per EVC (Cont'd)		
e. ERS EVC Real Time (ERS-RT) Bandwidth, per Class		
1 Mbps	N/A	$120.00
2 Mbps	N/A	$240.00
3 Mbps	N/A	$360.00
4 Mbps	N/A	$480.00
5 Mbps	N/A	$600.00
6 Mbps	N/A	$660.00
7 Mbps	N/A	$720.00
8 Mbps	N/A	$780.00
9 Mbps	N/A	$840.00
10 Mbps	N/A	$900.00
20 Mbps	N/A	$1,175.00
30 Mbps	N/A	$1,450.00
40 Mbps	N/A	$1,725.00
50 Mbps	N/A	$2,000.00
60 Mbps	N/A	$2,200.00
70 Mbps	N/A	$2,400.00
80 Mbps	N/A	$2,600.00
90 Mbps	N/A	$2,800.00
100 Mbps	N/A	$3,000.00

[1] Applies in lieu of service charges set forth in this Catalog.

GRANDFATHERED SERVICES

TRANSPARENT LAN SERVICE (Cont'd)

6. Rates and Charges (Cont'd)

	Nonrecurring Charge [1]	Monthly Rate
.3 Interoffice Mileage, per line [2]		
Per Mile	N/A	100.00
.4 TLS Domain/LAN Extension Equipment Changes	400.00	N/A
.5 Optional Features		
Customer Service Management (CSM), Per Domain/VLAN	350.00	150.00

[1] Applies in lieu of service charges set forth in this Catalog.
[2] Applies in addition to applicable rates and charges for all UNE Port with Access Line Connections.