

ACCESS SERVICE

Regulations, Rates and Charges applying to the provision of Access Service for connection to intrastate communications facilities for Intrastate Customers within the operating territories of the Issuing Carrier listed on Title Sheet 2.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

Approval of this tariff cancels the issuing carriers' concurrence in Pacific Bell Intrastate Access Tariff, No. 175-T.

Continued

ACCESS SERVICE

ISSUING CARRIERS

Citizens Telecommunications Company of California, INC. d/b/a
Frontier Communications of California
U-1024-C
Kenneth Mason
Vice President, Government & Regulatory Affairs
180 S. Clinton Ave.
Rochester, NY 14646

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Check Sheet

Pages 1 to 725 inclusive of this tariff are effective as of the date shown. The original and revised pages named below contain all changes from the original tariff that are in effect on the date shown.

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67.3	1 st Revised	100	Original
67.4	1 st Revised	101	Original
67.5	1 st Revised	102	Original
67.6	Original	103	Original
68	1 st Revised	104	Original
69	Original	105	Original
70	Original	106	Original
71	Original	107	Original
72	Original	108	Original
73	Original	109	1 st Revised
74	Original	110	Original
75	Original	111	Original
76	Original	112	Original
77	Original	113	3rd Revised*
78	Original	114	1st Revised
79	Original	115	1st Revised
80	Original	116	Original
81	Original	117	Original
82	Original		

* New or Revised

Continued

Advice Letter No. 1328
Decision No. _____

Issued By:
Senior Vice President
Regulatory Affairs

Date Filed 06/23/23
Effective: 07/01/23

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
118	Original	152	2nd Revised
119	1 st Revised	153	Original
120	Original	154	Original
121	1 st Revised	155	Original
122	Original	156	Original
123	Original	157	1 st Revised
124	Original	158	2nd Revised*
125	Original	159	1 st Revised
126	Original	160	1 st Revised
127	1 st Revised	161	1 st Revised
128	Original	162	1 st Revised
129	Original	163	1 st Revised
130	1 st Revised	164	1 st Revised
131	Original	165	1 st Revised
132	Original	166	1 st Revised
133	1 st Revised	167	1 st Revised
134	Original	168	1 st Revised
135	Original	169	1 st Revised
136	Original	170	1 st Revised
137	Original	171	1 st Revised
138	Original	172	1 st Revised
139	Original	173	1 st Revised
140	Original	174	1 st Revised
141	Original	175	1 st Revised
142	Original	176	1 st Revised
143	Original	177	1 st Revised
144	Original	178	1 st Revised
145	Original	179	1 st Revised
146	Original	180	1 st Revised
147	Original	181	1 st Revised
148	Original	182	1 st Revised
149	Original	183	1 st Revised
150	Original	184	1 st Revised
151	Original	185	1 st Revised

* **New or Revised**

Continued

Advice Letter No. 1195
Decision No. D.13-05-028

Issued By:
Kenneth Mason
Vice President Government & Regulatory Affairs

Date Filed: 05/30/13
Effective: 07/01/13

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
186	1 st Revised*	227	1 st Revised*
187	1 st Revised*	228	1 st Revised*
188	1 st Revised*	229	1 st Revised*
189	1 st Revised*	230	1 st Revised*
199	1 st Revised*	231	1 st Revised*
200	1 st Revised*	232	1 st Revised*
201	1 st Revised*	233	1 st Revised*
202	1 st Revised*	234	1 st Revised*
203	1 st Revised*	235	1 st Revised*
204	1 st Revised*	236	1 st Revised*
205	1 st Revised*	237	1 st Revised*
206	1 st Revised*	238	1 st Revised*
207	1 st Revised*	239	1 st Revised*
208	1 st Revised*	240	1 st Revised*
209	1 st Revised*	241	1 st Revised*
210	1 st Revised*	242	1 st Revised*
211	1 st Revised*	243	1 st Revised*
212	1 st Revised*	244	1 st Revised*
213	1 st Revised*	245	1 st Revised*
214	1 st Revised*	246	1 st Revised*
215	1 st Revised*	247	1 st Revised*
216	1 st Revised*	248	1 st Revised*
217	1 st Revised*	249	1 st Revised*
218	1 st Revised*	250	1 st Revised*
219	1 st Revised*	251	1 st Revised*
220	1 st Revised*	252	1 st Revised*
221	1 st Revised*	253	1 st Revised*
222	1 st Revised*	254	1 st Revised*
223	1 st Revised*	255	1 st Revised*
224	1 st Revised*	256	1 st Revised*
225	1 st Revised*	257	1 st Revised*
226	1 st Revised*	258	1 st Revised*

* New or Revised

Continued

Advice Letter No. 1168
Decision No. D.12-06-024

Issued By:
Kenneth Mason
Vice President Government & Regulatory Affairs

Date Filed: 06/27/12
Effective: 07/03/12

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
259	1 st Revised*	291	1 st Revised*
260	1 st Revised*	292	1 st Revised*
261	1 st Revised*	293	1 st Revised*
262	1 st Revised*	294	1 st Revised*
263	1 st Revised*	295	1 st Revised*
264	1 st Revised*	296	1 st Revised*
265	1 st Revised*	297	1 st Revised*
266	1 st Revised*	298	1 st Revised*
267	1 st Revised*	299	1 st Revised*
268	1 st Revised*	300	1 st Revised*
269	1 st Revised*	301	1 st Revised*
270	1 st Revised*	302	1 st Revised*
271	1 st Revised*	303	1 st Revised*
272	1 st Revised*	304	1 st Revised*
273	1 st Revised*	305	1 st Revised*
274	1 st Revised*	306	1 st Revised*
275	1 st Revised*	306.1	1 st Revised*
276	1 st Revised*	306.2	1 st Revised*
277	1 st Revised*	306.3	1 st Revised*
278	1 st Revised*	306.4	1 st Revised*
279	1 st Revised*	307	Original
280	1 st Revised*	308	Original
281	1 st Revised*	309	Original
282	1 st Revised*	310	Original
283	1 st Revised*	311	Original
284	1 st Revised*	312	Original
285	1 st Revised*	313	Original
286	1 st Revised*	314	Original
287	1 st Revised*	315	Original
288	1 st Revised*	316	Original
289	1 st Revised*	317	Original
290	1 st Revised*		

* New or Revised

Continued

Advice Letter No. 1168
 Decision No. D.12-06-024

Issued By:
 Kenneth Mason
 Vice President Government & Regulatory Affairs

Date Filed: 06/27/12
 Effective: 07/03/12

ACCESS SERVICE
Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
318	Original	353	Original
319	Original	354	Original
320	Original	355	Original
321	Original	356	Original
322	2nd Revised*	357	Original
323	1 st Revised	358	Original
324	Original	359	Original
325	Original	360	Original
326	Original	361	Original
327	Original	362	Original
328	Original	363	Original
329	Original	364	Original
330	Original	365	Original
331	Original	366	Original
332	Original	367	Original
333	Original	368	Original
334	Original	369	Original
335	Original	370	5th Revised
336	Original	370.1	Original
337	Original	370.2	Original
338	Original	370.3	Original
339	Original	371	Original
340	Original	372	Original
341	Original	373	Original
342	Original	374	Original
343	Original	375	Original
344	Original	376	Original
345	Original	377	Original
346	Original	378	Original
347	Original	379	Original
348	Original	380	Original
349	Original	381	Original
350	Original	382	Original
351	Original	383	Original
352	Original		

* New or Revised

Continued

Advice Letter No. 1398
Decision No. _____

Issued By:
Jack Phillips
Director Government & External Affairs

Date Filed 04/30/26
Effective: 06/01/26

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
384	Original	417	Original
385	Original	418	Original
386	Original	419	Original
387	Original	420	Original
388	Original	421	Original
389	1st Revised	422	Original
390	Original	423	Original
391	Original	424	1st Revised
392	Original	424.1	Original
		424.2	Original
		424.3	Original
		425	Original
393	Original	426	Original
394	Original	427	Original
395	Original	428	Original
396	Original	429	Original
397	Original	430	Original
398	Original	431	Original
399	Original	432	Original
400	Original	433	Original
401	Original	434	Original
402	Original	435	Original
403	2nd Revised *	436	Original
404	Original	437	Original
405	Original	438	Original
406	1st Revised	439	Original
407	Original	440	Original
408	Original	441	Original
409	Original	442	Original
410	Original	443	Original
411	Original	444	Original
412	Original	445	Original
413	Original	446	Original
414	Original	447	Original
415	Original	448	Original
416	Original	449	Original

* New or Revised

Continued

(To be inserted by utility)
ADVICE LETTER No. 691B _____
DECISION No. _____

ISSUED BY
Aloa J. Stevens
Vice President
State Government Affairs

(To be inserted by Cal P.U.C.)
DATE FILED October 26, 2001
EFFECTIVE DATE May 1, 2001
RESOLUTION No. _____

ACCESS SERVICE
 Check Sheet (Cont'd)

<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>	<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>
450	Original	483	Original
451	Original	484	Original
452	Original	485	Original
453	Original	486	Original
454	Original	487	Original
455	Original	488	Original
456	Original	489	Original
457	Original	490	Original
458	Original	491	Original
459	Original	492	Original
460	Original	493	Original
461	Original	494	Original
462	Original	495	Original
463	Original	496	Original
464	Original	497	Original
465	Original	498	Original
466	Original	499	Original
467	Original	500	Original
468	Original	501	Original
469	Original	502	Original
470	Original	503	Original
471	Original	504	Original
472	Original	505	Original
473	Original	506	Original
474	Original	507	Original
475	Original	508	Original
476	Original	509	1st Revised*
477	Original	510	Original
478	Original	511	Original
479	Original	512	Original
480	Original	513	Original
481	Original	514	Original
482	Original	515	Original

* New or Revised

Continued

Advice Letter No. 1168
 Decision No. D.12-06-024

Issued By:
 Kenneth Mason
 Vice President Government & Regulatory Affairs

Date Filed: 06/27/12
 Effective: 07/03/12

ACCESS SERVICE
Check Sheet (Cont'd)

<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>	<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>
516	Original	549	Original
517	Original	550	Original
518	Original	551	Original
519	Original	552	Original
520	Original	553	Original
521	Original	554	Original
522	Original	555	Original
523	Original	556	Original
524	Original	557	Original
525	1st Revised*	558	Original
526	Original	559	Original
527	Original	560	Original
528	Original	561	Original
529	Original	562	Original
530	Original	563	Original
531	Original	564	Original
532	Original	565	Original
533	Original	566	Original
534	Original	567	Original
535	1st Revised*	568	Original
536	Original	569	Original
537	Original	570	Original
538	Original	571	Original
539	Original	572	Original
540	Original	573	Original
541	Original	574	Original
542	Original	575	Original
543	Original	576	Original
544	1st Revised*	577	Original
545	Original	578	Original
546	Original	579	Original
547	Original	580	Original
548	Original	581	Original

* New or Revised

Continued

Advice Letter No. 1168
Decision No. D.12-06-024

Issued By:
Kenneth Mason
Vice President Government & Regulatory Affairs

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Effective: 07/03/12

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
582	Original	615	Original
583	Original	616	Original
584	Original	617	Original
585	Original	618	13th Revised
586	Original	619	Original
587	Original	620	Original
588	Original	621	Original
589	Original	622	Original
590	Original	623	Original
591	Original	624	Original
592	Original	625	Original
593	Original	626	Original
594	Original	627	Original
595	Original	628	3rd Revised
596	Original	629	Original
597	Original	630	Original
598	Original	631	Original
599	Original	632	Original
600	Original	633	Original
601	Original	634	Original
602	Original	635	Original
603	Original	636	Original
604	Original	637	1st Revised
605	Original	638	2 nd Revised
606	Original	639	Original
607	Original	640	Original
608	Original	641	Original
609	Original	642	Original
610	Original	643	Original
611	Original	644	Original
612	Original	645	Original
613	Original	646	Original
614	Original	647	Original

* New or Revised

Continued

Advice Letter No. 1131

Decision No. _____

Issued By

Jack Phillips

Director Government & External Affairs

Date Filed: 01/28/10

Effective: 03/01/10

Resolution No.: _____

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>	<u>Sheet No.</u>	<u>Number of Revision Except As Indicated</u>
648	6 th Revised	681	1 st Revised
649	3 rd Revised	682	1 st Revised
650	1 st Revised	683	1 st Revised
651	3rd Revised*	684	1 st Revised
652	2nd Revised*	685	1 st Revised
653	2nd Revised*	686	1 st Revised
654	2nd Revised*	687	1 st Revised
655	2nd Revised*	688	1 st Revised
656	4th Revised*	689	1 st Revised
657	2nd Revised*	690	1 st Revised
658	Original	691	1 st Revised
659	Original	692	9 th Revised
660	Original	693	3 rd Revised
661	Original	694	2 nd Revised
662	Original	695	3rd Revised*
663	Original	696	1 st Revised
664	Original	697	1 st Revised
665	Original	698	3rd Revised*
666	Original	699	1 st Revised
667	Original	700	1 st Revised
668	28 th Revised	701	1 st Revised
669	Original	702	1 st Revised
670	7 th Revised	703	1 st Revised
671	4 th Revised	704	1 st Revised
672	2 nd Revised	705	1 st Revised
673	3rd Revised*	706	1 st Revised
674	1 st Revised	707	1 st Revised
675	1 st Revised	708	1 st Revised
676	3rd Revised*	709	1 st Revised
677	3rd Revised*	710	1 st Revised
678	3rd Revised*	711	1 st Revised
679	3rd Revised*	712	1 st Revised
680	1 st Revised	713	1 st Revised

* New or Revised

Continued

Advice Letter No. 1398
Decision No. _____

Issued By:
Senior Vice President
Regulatory External Affairs

Date Filed: 04/30/26
Effective: 06/01/26

ACCESS SERVICE

Check Sheet (Cont'd)

<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>	<u>Sheet No.</u>	Number of Revision Except <u>As Indicated</u>
714	4 th Revised	747	Original
715	2 nd Revised	748	1 st Revised
716	1 st Revised		
717	2nd Revised*		
718	2nd Revised*		
719	2nd Revised*		
720	Original		
721	1 st Revised		
722	Original		
723	Original		
724	Original		
725	Original		
726	Original		
727	3 rd Revised		
728	Original		
729	Original		
730	Original		
731	Original		
732	Original		
733	Original		
734	1 st Revised		
735	Original		
736	Original		
737	Original		
738	Original		
739	Original		
740	Original		
741	Original		
742	Original		
743	Original		
744	Original		
745	Original		
746	Original		

* **New or Revised**

Advice Letter No. 1398

Issued By:

Date Filed: 04/30/26

Decision No. _____

Senior Vice President
Regulatory Affairs

Effective: 06/01/26

ACCESS SERVICE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

Continued

ACCESS SERVICE

EXPLANATION OF SYMBOLS

- (C) To signify changed listing, rule or special condition which may affect rates or charges
- (D) To signify discontinued material, including listing, rate, rule or special condition
- (I) To signify increase
- (L) To signify material relocated from or to another part of tariff schedules with no change in text, rate, rule or special condition
- (N) To signify new material including listing, rate, rule or special condition
- (R) To signify reduction
- (T) To signify change in wording of text but no change in rate, rule or special condition

EXPLANATION OF ABBREVIATIONS

ac	-	alternating current
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
AOS	-	Area of Service
AP	-	Program Audio
AT&T	-	American Telephone and Telegraph Company
BHMC	-	Busy Hour Minutes of Capacity
CCLA	-	Carrier Common Line Access
CCLC	-	Carrier Common Line Charge
CCLI	-	Common Language Location Identifier
CCS	-	Common Channel Signaling
CE-US	-	Coordinated End-User Service
Cont'd	-	Continued
CPE	-	Customer Premise Equipment
Ctx	-	Centrex

Continued

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

DA	-	Directory Assistance
db	-	decibel
dBrnCO	-	Decibel Reference Noise C-Message Weighted O
dc	-	direct current
DDS	-	Digital Data Service
E & M	-	Electronic & Multifrequency
EAT	-	Equal Access Tandem
EML	-	Expected Measured Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
f	-	frequency
F.C.C.	-	Federal Communications Commission
FGB	-	Feature Group B
FGC	-	Feature Group C
FGD	-	Feature Group D
FX	-	Foreign Exchange
HC	-	High Capacity
HCF	-	High Cost Fund
Hz	-	Hertz
IC	-	InterLATA Carrier
ICB	-	Individual Case Basis
INT	-	Intermediate wire center
ISCB	-	Information Services Call Blocking
IWS	-	Inwats service
kbits	-	kilobits per second
kHz	-	kilohertz
LATA	-	Local Access and Transport Area

Continued

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

Ma	-	Milliamperes
Mbps	-	Megabits per second
Mhz	-	Megahertz
MMUC	-	Minimum Monthly Usage Charge
MOU	-	Minutes of Use
MRC	-	Monthly Recurring Charge
MTS	-	Message Telecommunications Service
NANP	-	North American Numbering Plan
NB	-	Narrowband
NI	-	Network Interface
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NTS	-	Non-Traffic Sensitive
NXX	-	Three Digit Central Office Code
OCC	-	Other Common Carrier
OWS	-	Outwats Service
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
PI	-	Priority Installation
PLR	-	Private Line Ringdown
POC	-	Point of Connection
POT	-	Point of Termination
PR	-	Priority Restoration
PVN	-	Private Virtual Network
SMS	-	Service Management System
SNAL	-	Signaling Network Access Line
SP	-	Signaling Point
SPA	-	Special Access

Continued

Advice Letter No. CA-95-001
Decision No. _____

Issued By
F. Wayne Lafferty

Date Filed: November 28, 1995
Effective: : January 1, 1996

Director of Regulatory

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

SPOI	-	Signaling Point of Interface
SSN	-	Switched Service Network
STP	-	Signal Transfer Point
SVC	-	Service type
SWA	-	Switched Access
SWC	-	Serving Wire Center
SWD	-	Switched Dial Access service
SWO	-	Switched Access Originating traffic
SWT	-	Switched Access Terminating traffic
TES	-	Telephone Exchange Service(s)
TLP	-	Transmission Level Point
TSP	-	Telecommunications Service Priority
TSPS	-	Traffic Service Position System
TV	-	Television
USOC	-	Uniform Service Order Code
UWAL	-	Universal WATS Access Line
V & H	-	Vertical & Horizontal
VG	-	Voice Grade
WAL	-	WATS Access Line
WATS	-	Wide Area Telecommunications Service(s)
WCH	-	Wire Center Horizontal Coordinate
WCV	-	Wire Center Vertical Coordinate
WD	-	Wideband Digital

Continued

Advice Letter No. CA-95-001
Decision No. _____

Issued By
F. Wayne Lafferty

Date Filed: November 28, 1995
Effective: : January 1, 1996

Director of Regulatory

ACCESS SERVICE

REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other tariffs of the Telephone Company, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

USE OF THE TARIFF

This tariff contains the regulations, rates and charges applicable to the provision of Access Service by the Issuing Carrier listed on Title Sheet 2.

The regulations applicable to the provision of Access Service are contained in Sections 2 through 19. Rates and charges for all Access Services are shown in Section 20.

Continued

ACCESS SERVICE

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Customer Services, 60 New England Avenue, Piscataway, New Jersey 08854-4196.

Technical Reference:

PUB 41004 Data Communications Using Voiceband Private Line
Channels
Issued: October 1973

PUB 62310 Digital Data System Channel Interface Specification
Issued: September 1983

PUB 62411 High Capacity Digital Service Channel Interface Specification
Issued: September 1983, Addendum October 1984

TR-NWT-000334, Issue 2 Voice Grade Switched Access Service -
Transmission Parameter Limits and Interface Combinations
Issued: September 1990

TR-TSY-000335, Issue 2 Voice Grade Special Access Service -
Transmission Parameters Limits and Interface Combinations
Issued: May 1990

TR-NPL-000336 Metallic and Telegraph Grade Special Access Service-
Transmission Parameter Limits and Interface Combinations
Issued: October 1987

TR-NPL-000337 Program Audio Special Access Service and Local
Channel Services
Issued: July 1987

Continued

ACCESS SERVICE

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

TR-TSV-000905, Common Channel Signaling Network Interface
Specification Supplement 1
Available: August 1989

TR-NPL-000341 Digital Data Special Access Service - Transmission
Parameter and Interface Combinations
Issued: March 1989

TR-INS-000342 High Capacity Digital Special Access Service
Issued: February 1991

SR-STDS-000307 NC/NCI Code Dictionary
Issued: December 1990

The following technical publication is referenced in this tariff and may be obtained from the Bell Communication Technical Education Center Room B02, 6200 Route 53, Lisle, IL 60532:

Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapters 6 and 7)
Second Edition 1980
Issued: June 1980

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Tariff and Regulatory Matters, 100 S. Jefferson Road, Whippany, New Jersey 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1 - Issue II Access Service
Issued: May 1984 Addendum: March 1987

Continued

ACCESS SERVICE

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc. Distribution Storage Center, 60 New England Avenue, Piscataway, New Jersey 08854.

1. Multiple Exchange Carrier Access Billing Guidelines (MECAB)

Ordering and Billing Forum

Issued: November 1987

Available: November 1987

2. Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)

Ordering and Billing Forum

Issued: October 1985

Available: November 1985

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol Street, N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security
Emergency Preparedness (NSEP) Service Vendor Handbook National
Communications System (NCSH 3-1-2)

Dated: July 9, 1990

Available: August 1990

Telecommunications Service Priority (TSP) System for National Security
Emergency Preparedness (NSEP) Service User Manual, National
Communications System (NCSM 3-1-1)

Dated: July 9, 1990

Available: August 1990

Continued

ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of End User Access, Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by Citizens Telecommunications Company of California, INC., hereinafter referred to as the Telephone Company, to customers. See definition for Study Area, Section 2.6 of this tariff. (N)
(N)

All services available to customers for the purpose of originating and terminating Intrastate InterLATA and Intrastate IntraLATA access are contained herein, referred to as Intrastate. In addition, provisions for Special Access, including High Capacity Service are set forth in Section 7 following.

- 1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.
- 1.3 The regulations, rates, and charges contained herein are in addition to the applicable regulations, rates, and charges specified in other tariffs of the Telephone Company, which are referenced herein.

Continued

ACCESS SERVICE

2. General Regulations

2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the service it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided twenty-four (24) hours daily, seven days per week, except as set forth in other sections of this tariff.

2.1.2 Limitations

- (A) The customer may assign or transfer the use of services under this tariff if there is no interruption in or relocation of services. The assignee or transferee must agree to assume all outstanding indebtedness for services provided under this tariff and any termination liability associated with the services provided. The customer will remain jointly liable with the assignee or transferee for any obligations existing at the time of the assignment.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

(A) (Cont'd)

Prior to assignment, the Telephone Company must acknowledge in writing that all requirements have been met.

Acknowledgement will be made within fifteen (15) days after the Telephone Company has been notified of the proposed assignment.

- (B) All services offered in this tariff will be provided on a first-come first-served basis except as described below.

The regulations for the installation and restoration of Telecommunications Service Priority (TSP) System Services shall be subject to Part 64.401, Appendix A, of the Federal Communications Commission's Rules and Section 8 following.

2.1.3 Liability

- (A) Except in the case of willful misconduct for which the Telephone Company's liability is not limited by this tariff, the Telephone Company's liability for damages shall not exceed an amount equal to the proportionate tariff charge for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may be due the customer as described in 2.4.3 following.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the end user and by the customer against any claim, loss or damage arising from the end user's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own communications;

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(D) (Cont'd)

- (2) Claims for patent infringement arising from the end user's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or IC or;
- (3) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.

- (E) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.3 following.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Services

The Telephone Company's obligation to furnish the services described in this tariff is dependent upon its ability to provide such service after provision has been made for the Telephone Company's exchange services.

2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. Wire required within a building to extend Access Service facilities will be provided, at the customer's request, on a time sensitive charge basis. The labor rates for the installation of such wire are the same as those set forth in Section 20 following for Other Labor.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.6 Maintenance of Services

The services provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R. section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, (A) change any facilities used in providing service under this tariff, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Telephone Company. The Telephone Company shall not be responsible if the change renders customer furnished services obsolete or requires modification of the customer-furnished services. If such change materially affects the operating characteristics of the facility, the Telephone Company will provide

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes and Substitutions (Cont'd)

reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the changes made. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

2.1.8 Refusal and Discontinuance of Service

(A) Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.4, 2.3.5, or 2.4 following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may on thirty (30) days' written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of noncompliance, refuse additional applications for service and/or refuse to complete any pending orders for service by the noncomplying customer at any time thereafter.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days' notice, and the customer's noncompliance continues, nothing contained herein shall

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service (Cont'd)

(A) (Cont'd)

preclude the Telephone Company's right to refuse additional applications for service to the noncomplying customer without further notice.

- (B) Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.4, 2.3.5, or 2.4 following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days' written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of noncompliance, discontinue the provision of the services to the noncomplying customer at any time thereafter. In the case of such discontinuance, all applicable charges, including termination charges, shall become due. If the Telephone Company does not discontinue the provision of the services involved on the date specified in the thirty (30) days' notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to discontinue the provision of the services to the noncomplying customer without further notice.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service (Cont'd)

- (C) When access service is provided by more than one Telephone Company, the companies involved in providing the joint service may individually or collectively deny service to a customer for nonpayment. Where the Telephone Company(s) affected by the nonpayment is incapable of effecting discontinuance of service without cooperation from the other joint providers of Switched Access Service, such other Telephone Company(s) will, if technically feasible, assist in denying the joint service to the customer. Service denial for such joint service will only include calls originating or terminating within, or transiting, the operating territory of the Telephone Companies initiating the service denial for nonpayment. When more than one of the joint providers must deny service to effectuate termination for nonpayment, in cases where a conflict exists in the applicable tariff provisions, the tariff regulations of the end office Telephone Company shall apply for joint service discontinuance.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service (Cont'd)

(D) If the National Exchange Carrier Association, Inc., notifies the Telephone Company that the customer has failed to comply with Section 8 of the National Exchange Carrier Association, Inc., Tariff FCC No. 5 (Lifeline Assistance and Universal Service Fund charges) including any customer's failure to make payments on the date and times specified therein, the Telephone Company may, on thirty (30) days' written notice to the customer by Certified U.S. Mail, take any of the following actions:

- (1) refuse additional applications for service and/or
- (2) refuse to complete any pending orders for service,
- (3) discontinue the provision of service to the customer. In the case of discontinuance, all applicable charges including termination charges, shall become due.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.9 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment additions, removals, and routine preventive maintenance. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine the notification requirements.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.10 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change, the Telephone Company will furnish to the customer six (6) months' notice, by certified mail, of the effective date and an explanation of the reason(s) for such change(s).

2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.2 Use

2.2.1 Interference or Impairment

- (A) The facilities and equipment provided by the customer which are used in conjunction with Telephone Company facilities in the provision of Access Service shall not interfere with or impair the provision of service by the Telephone Company.
- (B) If interference as described in (A) above exists, except for equipment subject to the FCC Part 68 rules in 47 C.F.R. Section 68.108, when practicable, the Telephone Company will notify the customer that service will be temporarily disconnected until the problem is corrected. When prior notice is not practical, the Telephone Company may temporarily disconnect services without prior notification to the customer. The customer will be notified of the action as soon as possible and given the opportunity to correct the problem. During the period of discontinuance, the credit allowance for service interruptions as set forth in 2.4.3 following does not apply.

2.2.2 Unlawful Use

The service provided under this tariff shall not be used for an unlawful purpose.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer

2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

2.3.2 Ownership of Facilities

Facilities utilized by the Telephone Company to provide service under the provisions of this tariff shall remain the property of the Telephone Company. Such facilities shall be returned to the Telephone Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit. Any cost of repair or replacement for unreasonable wear or damage will be billed to the customer who utilized the equipment.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the Telephone Company, at no charge, equipment space and electrical power required by the Telephone Company to provide services under this tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such space at reasonable times for installing, testing, repairing or removing Telephone Company services.

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.4 Availability for Testing

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.3.5 Balance

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloch-Loop (Alarm System) type signaling.

2.3.6 Design of Customer Services

Subject to the provisions of 2.1.7 preceding, the customer shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Telephone Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.7 Reference to the Telephone Company

The customer may advise end users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to end users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

2.3.8 Claims and Demands for Damages

The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes,

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.8 Claims and Demands for Damages (Cont'd)

finest, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees. The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

In the event that a customer files a claim for an access billing or revenue adjustment with the Telephone Company, the Telephone Company will have thirty (30) days from the notification date to resolve the customer's claim or negotiate a mutually agreeable time frame for resolution of the claim.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements

(A) Jurisdictional Reports

- (1) (a) When a customer orders Feature Group A and/or Feature Group B Switched Access Service the customer shall, in its order, state the projected intrastate percentage for intrastate usage for each Feature Group A and/or Feature Group B Switched Access Service group ordered. If the customer discontinues some but not all of the Feature Group A and/or Feature Group B Switched Access Services in a group, it shall provide the projected intrastate percentage for such services which are remaining.
- (b) Pursuant to Federal Communications Commission Order FCC 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station telephone number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station telephone number) is situated is an interstate communication.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(1) (Cont'd)

(c) The projected intrastate percentages will be used by the Telephone Company to apportion the usage between interstate and intrastate until a revised report is received as set forth in (6) following.

(2) (a) All single line Feature Group A and B Switched Access Service usage and charges will be apportioned by the Telephone Company between interstate and intrastate. The projected intrastate percentage reported as set forth in 1(a) and 1(b) preceding will be used to make such apportionment.

(3) (a) For multiline hunt group or trunk group arrangements where the intrastate charges are based on measured usage, the intrastate Feature Group A and/or Feature Group B Switched Access Service(s) information reported as set forth in (1) preceding will be used to determine the charges as follows:

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(3) (Cont'd)

- (b) For all groups, the number of access minutes (either measured or assumed) for a group will be multiplied by the projected intrastate percentage to develop the intrastate access minutes. The number of access minutes for the group minus the developed intrastate access minutes for the group will be the developed interstate access minutes.

- (4) (a) When a customer orders Feature Group C or Feature Group D Switched Access Service(s), the customer may provide the projected intrastate percentage for intrastate usage for each end office group in its order. This percentage is subject to audit by the Telephone Company as set forth in 2.3.9(A)(7) following. If the customer does not provide the projected intrastate percentage for intrastate usage, the Telephone Company will, where the jurisdiction can be determined from the call detail, determine the projected intrastate percentage as follows. For

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(4) (Cont'd)

- (a) originating access minutes, the projected intrastate percentage will be developed on a monthly basis by end office when the Feature Group C or Feature Group D Switched Access Service access minutes are measured by dividing the measured intrastate originating access minutes by the total originating access minutes when the call detail is adequate to determine the appropriate jurisdiction. For terminating access minutes, the data used by the Telephone Company to develop the projected intrastate percentage for originating access minutes will be used to develop projected intrastate percentage for such terminating access minutes. When terminating call details are insufficient to determine the jurisdiction for the call, see 4 (b), below, the customer may supply the projected PIU factor for a portion of the indeterminate jurisdiction. The projected PIU factor will be used to apportion the terminating traffic which does not exceed the 7% floor.

(N)

(N)

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(4) (Cont'd)

(a) When terminating call details are insufficient to determine the jurisdiction, and the customer does not supply a projected PIU factor, calls will be billed using a PIU of 50 (50% interstate – 50% intrastate). The PIU of 50 will be used to apportion the terminating traffic which does not exceed the 7% floor.

(N)

(N)

When originating call details are insufficient to determine the jurisdiction for the call, the customer shall supply the projected intrastate percentage or authorize the Telephone Company to use the Telephone Company developed percentage. This percentage shall be used by the Telephone Company as the intrastate percentage for such call detail. The Telephone Company will designate the number obtained by subtracting the projected intrastate percentage for originating and terminating access minutes calculated by the Telephone Company from 100 (100 - Telephone Company calculated projected intrastate percentage = interstate percentage) as the projected intrastate percentage of use.

(M)

(M)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(4) (Cont'd)

(b) A floor of 7% will be set for a switched access customer's Feature Group C or Feature Group D terminating access minutes when they are lacking originating number information needed to determine jurisdiction. The 7% floor will be applied as follows:

When the percentage of terminating traffic without sufficient call detail to determine jurisdiction does not exceed the 7% floor, the Company will apply the PIU factor as set forth in 2.3.9 (A) (4) (a), above or

When the percentage of terminating traffic without sufficient call detail to determine jurisdiction exceeds the 7% floor, the Company will assess rates from the state jurisdiction on all minutes exceeding the 7% floor.

(N)

(N)

(5) Except where Telephone Company measured access minutes are used as set forth in (4) preceding, the customer reported intrastate percentage of use as set forth in (1) or (4) preceding will be used until the customer reports a different projected intrastate percentage for an in service end office group. When the customer adds

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(5) (Cont'd)

BHMC lines or trunks to an existing end office group, the customer shall furnish a projected intrastate percentage that applies to the added BHMC lines or trunks. When the customer discontinues BHMC, lines or trunks from an existing group, the customer shall furnish a projected intrastate percentage for the discontinued BHMC lines or trunks in the end office group. The revised report will serve as the basis for future billings and will be effective on the next bill date. No prorating or back billing will be done based on the report.

- (6) Effective on the first of January, April, July and October of each year, the customer shall update the intrastate and interstate jurisdictional report. The customer shall forward to the Telephone Company, to be received no later than fifteen (15) days after the

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(6) (Cont'd)

first of each such month, a revised report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each Switched Access Service arranged for intrastate use. Additionally, where the customer utilizes FGA Switched Access Service for calls between a Primary Exchange Carrier and a Secondary Exchange Carrier within the same Extended Area Service calling area, where the Primary and Secondary Exchange Carriers are not the same Telephone Company and do not provide service under the same access service tariff, a copy of the revised report will be provided by the customer to each Secondary Exchange Carrier. The revised report will serve as the basis for the next three (3) months' billing and will be effective on the bill date for that service. No prorating or back billing will be done based on the

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(6) (Cont'd)

report. If the customer does not supply the reports, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Telephone Company will assume the percentages to be the same as those provided in the order for service as set forth in (1) preceding.

- (7) For Switched Access, if a billing dispute arises concerning the projected intrastate percentage, the Telephone Company will ask the customer to provide the data the customer uses to determine the projected intrastate percentage. The Telephone Company will not request such data more than once a year. The customer shall supply the data within thirty (30) days of the Telephone Company request.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(B) Special Access Jurisdictional Certification

(1) Certification Requirements

When the customer orders Special Access Service, and the customer certifies to the Telephone Company in writing that more than ten percent (10%) of the traffic is intrastate, the service is considered to be intrastate and is provided under this Tariff. Following initial certification, should the jurisdictional nature of the customer's Special Access Service change, the customer should inform the Telephone Company in writing of the change. The effective date of the change will be the date the Telephone Company receives the customer's notice of change. No charge applies for the jurisdictional change.

(2) Disputes Involving Jurisdictional Certification

If a dispute arises concerning the certification of projected intrastate traffic as described in (1) above, the Telephone Company will ask the

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

(B) Special Access Jurisdictional Certification (Cont'd)

(2) Disputes Involving Jurisdictional Certification (Cont'd)

customer to provide the data the customer used to determine that more than ten percent (10%) of the traffic is intrastate.

The customer shall supply the data within thirty (30) days of the Telephone Company request. If the reply results in a jurisdictional change of a Special Access Service, the effective date of the change will be the date the Telephone Company receives the customer's reply. There is no charge when the customer's reply results in a jurisdictional change in the Special Access Service.

2.3.10 Determination of Intrastate Charges for Mixed Intrastate and Interstate Switched Access Service

When mixed intrastate and interstate Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) will be

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.10 Determination of Intrastate Charges for Mixed Intrastate and Interstate Switched Access Service (Cont'd)

prorated between interstate and intrastate. The percentage provided in the reports as set forth in 2.3.9 preceding will serve as the basis for prorating the charges.

The percentage of an Access Service to be charged as intrastate is applied in the following manner:

- (A) For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.
- (B) For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times actual use times the stated tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.9.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Provision for Customer Audits

Upon thirty (30) days' written notice, the customer shall have the right to access all information, data and records necessary to audit, trace and verify the accuracy of access bills rendered to the customer for usage in connection with MTS, Special Access, WATS and other services. Such information will be provided in a mutually agreeable format and shall include, but not be limited to, call details (e.g., messages and minutes of use summarized by jurisdiction, call type, end office and state). A comprehensive audit of this nature can be conducted by the customer not more than once per year. Examinations of specific questions and issues may be undertaken more frequently.

Each party shall bear its own expenses in connection with the conduct of an Audit (review) or Examination. Special data extractions required by the customer to conduct an Audit or Examination will be paid for by the customer. For purposes of this regulation, a "special data extraction" shall mean the creation of records

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Provision for Customer Audits (Cont'd)

that cannot normally be created by the Telephone Company's currently available software programs. If the Telephone Company changes software programs and as a result of this change previously available data records would be considered special extractions, the Telephone Company must retain the ability to extract that data for one year at no charge to the customer.

After that time, the use of those data records would be considered a special data extraction, cost to be borne by the customer.

(M) Relocate item 2.4.1 to Sheet No. 68.

Continued

(M)

(M)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic

(A) Scope

(1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

(2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

Continued

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(B) Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates as specified in the Telephone Company's applicable Federal Access Tariff.

As of July 13, 2012, any intrastate originating Toll VOIP-PSTN Traffic will be billed at rates equal to the Company's intrastate originating switched access rates as provided in this tariff. Beginning July 1, 2014, any intrastate originating Toll VOIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's relevant interstate switched access rates as provided in the Telephone Company's applicable Federal Access Tariff.

(N)

(N)

(C) Calculation and Application of Percent-VoIP-Usage Factor

The Telephone Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total intrastate access MOU exchanges with The Telephone Company from the customer. The PVU will be derived and applied as follows:

(C)

(C)

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(C) Calculation and Application of Percent-VoIP-Usage Factor (Cont'd)

- (1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer exchanges with the Telephone Company in the State, that is sent to the Telephone Company and that originated in IP format; or is received by the Telephone Company and terminated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information.

(C)

(C)

(C)

- (2) The Telephone Company will, likewise, calculate a factor (the "PVU-T") representing the percentage of the Telephone Company's total intrastate access MOU in the State that the Telephone Company originates or terminates on its network in IP format. This PVU-T shall be based on information, such as the number of the Telephone Company's retail VoIP subscriptions in the state, traffic studies, actual call detail, or other relevant and verifiable information.

(N)

(N)

(L)

(L) Items 2 and 3 renumbered to 4 and 5 relocated to Sheet No. 67.4.

(L)

(N)

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(C) Calculation and Application of Percent-VoIP-Usage Factor (Cont'd)

(3) The Telephone Company will use the PVU-C and PVU-T factors to calculate a PVU factor that represents the percentage of total intrastate MOU exchanged between a Telephone Company end user and the customer that is originated or terminated in IP format, whether at the Telephone Company's end, at the customer's end, or at both ends. The PVU factor will be calculated as the sum of: (A) the PVU-C factor and (B) the PVU-T factor times (1.0 minus the PVU-C factor).

(4) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs.

(5) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1, the Telephone Company will utilize a PVU equal to zero.

(L) Items 4 and 5 formerly numbered 2 and 3 relocated from Sheet No. 67.3.

(L) Items D and E relocated to Sheet No. 67.5.

Continued

(N)

(N)

(T)(L)

(T)

(L)

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(D) Initial PVU Factor

If the PVU factor is not available and/or cannot be implemented in the Telephone Company's billing systems by January 1, 2012, once the factor is available and can be implemented the Telephone Company will adjust the customer's bills to reflect the PVU retroactively to January 1, 2012. This retroactive adjustment will be made to January 1, 2012, provided that the customer provides the factor to the Telephone Company no later than April 15, 2012; otherwise, it will set the initial PVU equal to zero, as specified in subsection (C)(1), preceding.

(E) PVU Factor Updates

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

(L) Items D and E relocated from Sheet No. 67.4.

(L) Item F relocated to Sheet No. 67.6.

Continued

(L)

(L)

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(F) PVU Factor Verification

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the PVU factors.

(L)

(L)

(L) Item F relocated from Sheet No. 67.5.

(N)

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits

- (A) The Telephone Company will require a deposit from all customers with a proven history of late payments to the Telephone Company and all customers who do not have established credit unless the customer is a successor of a company, which has established credit and has no history of late payments to the Telephone Company. The deposit may be required prior to or after establishment of service. The total deposit may not exceed the estimated charges for service for a two-month period.

The fact that a deposit has been made does not relieve the customer from the responsibility of complying with the Telephone Company's regulations regarding prompt payment of bills. Annual interest at the rate described in 2.4.1(B)(3)(b) will be paid on all deposits held from the date the deposit is received up to and including the date the deposit is returned or credited to the customer's account. The deposit will be refunded after the customer has established a record of prompt payment for one year. When service is terminated, any deposit held will be credited on the final bill.

- (B) The Telephone Company will bill all usage charges monthly in arrears. All nonusage-sensitive access services, including End User Access Service and Presubscription Service, will be billed monthly in advance. Nonrecurring charges will be billed in the month following the provision of service.

Continued

(D)
(D)
(M)

(M)

(N)

ACCESS SERVICE

(M) Material relocated from Sheet No. 67.

Continued

Advice Letter No. 1162
Decision No. _____

Issued By
Kenneth Mason
Vice President
Government & Regulatory Affairs

Date Filed: 12/13/11
Effective: 01/01/12
Resolution No.: _____

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

- (1) The bill day for End User Access Service and Presubscription Service will be the same day established for the provision of local service.
- (2) The bill day(s) for all access services other than End User Access Service and Presubscription Service will be established by the Telephone Company for each customer account and shall appear on the carrier access bill. If the Telephone Company advises the customer in writing, an alternate billing schedule may be established. Alternate billing schedules shall not be established on less than sixty (60) days' notice or initiated by the Telephone Company more than twice in any consecutive twelve (12) month period.
- (3) (a) Payment for service is due thirty-one (31) days after the bill day or by the next bill date (i.e., same

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(a) (Cont'd)

date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds.

If the customer does not receive a bill at least twenty (20) days prior to the thirty-one (31) day payment due date, then the bill shall be considered delayed. When a bill has been delayed, upon request of the customer, the due date will be extended by the number of days the bill was delayed. Such request by the customer must be accompanied by proof of the late bill receipt. If such payment date would cause payment to be due on a Saturday, Sunday or legal holiday (i.e., New Year's Day, Independence Day,

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(a) (Cont'd)

Labor Day, Thanksgiving, Christmas, Veteran's Day and the days when Washington's Birthday, Memorial Day, and Columbus Day are legally observed), payment for such bills will be due as follows:

If such payment date falls on a Sunday or on a holiday which is observed on a Monday, the payment date shall be the first non-holiday day following such Sunday or holiday. If such payment date falls on a Saturday or on a holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-holiday day preceding such Saturday or holiday.

(b) Further, if no payment is received by the payment date or if a

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(b) (Cont'd)

payment or any portion of a payment is received by the Telephone Company after the payment date as set forth in (a) preceding, or if a payment or any portion of a payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the payment or the portion of the payment not received by the payment dates times the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

- (c) In the event that a billing dispute arises, the customer shall pay the total amount billed by the due date or be subject to the late payment penalty beginning ten (10) days after the payment date. The customer shall notify the Telephone Company of his intent to dispute all or part of the amount due. If the dispute is resolved in favor of the customer, the Telephone Company will refund the disputed amount in question plus interest. The penalty interest period shall begin ten (10) days following the due date or on the date the disputed amount was actually paid, whichever is later. Interest will be calculated as described in (b) above.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

- (C) For services provided on a monthly basis, the charge for the provision of a fractional month's service will be determined by dividing the number of days that service was provided by thirty (30) and multiplying the result times the monthly rate. This calculation will be made subject to any minimum service periods required for specific services.
- (D) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2.4.2 Minimum Periods

Unless a minimum service period is described for a specific tariff item, the minimum period for which services are provided and for which rates and charges are applicable is one month.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.2 Minimum Periods (Cont'd)

When a service is discontinued prior to the expiration of the minimum period, the total charges at the rate level in effect at the time service is discontinued will apply for the remainder of the minimum period. The Telephone Company will charge the full nonrecurring charge to the end of the minimum period.

When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges and nonrecurring charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

2.4.3 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of facilities used to furnish service under this tariff or in the event that the protective controls applied by the Telephone

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(A) General (Cont'd)

Company result in the complete loss of service by the customer. An interruption period starts when an inoperative service is reported to the Telephone Company, and ends when the service is operative.

An allowance for interruption will apply only when the interruption is not due to the negligence of the customer. The credit allowance for an interruption or for a series of interruptions shall not exceed the monthly rate for the service interrupted in any one monthly billing period.

(B) When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

- (1) For Switched Access Service, no credit shall be allowed for an interruption of less than twenty-four (24) hours. The customer shall be credited for an interruption of twenty-four (24) hours

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(1) (Cont'd)

or more at the rate of 1/30 of the applicable monthly rates for each period of twenty-four (24) hours or major fraction (twelve (12) hours and one minute) thereof that the interruption continues.

- (2) For Special Access Services, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of thirty (30) minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of thirty (30) minutes or major fraction (sixteen (16) minutes or more) thereof that the interruption continues.

- (a) For two-point service, the monthly charge shall be the total of all the monthly rate element charges

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(2) (Cont'd)

(a) (Cont'd)

associated with the service (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

- (b) If a portion of a service such as a portion of a multipoint special access facility can still be utilized during the service interruption, the credit allowance will only apply to the services which are inoperative (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(C) When a Credit Allowance Does Not Apply (Cont'd)

- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.
- (4) Interruptions of a service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of a change order during the time that was negotiated with the customer prior to the release of the service. Thereafter, a credit allowance as set forth in (B) preceding applies.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(C) When a Credit Allowance Does Not Apply (Cont'd)

- (5) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.

2.4.4 Reestablishment of Service Following Fire, Flood, or Other Occurrences

(A) Nonrecurring Charges Do Not Apply

Charges do not apply for the reestablishment of service for the same customer following an interruption resulting from a fire, flood or other occurrence attributed to an Act of God provided that:

- (1) The service is of the same type as was provided prior to the interruption.
- (2) The service is at the same location on the same premises.
- (3) The reestablishment of service begins within sixty (60) days after Telephone Company service is available.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Reestablishment of Service Following Fire, Flood, or Other Occurrences (Cont'd)

(B) Nonrecurring Charges Apply

Nonrecurring charges apply for establishing service at a different location on the same premises or at a different premises pending reestablishment of service at the original location.

2.4.5 Access Services Provided by More Than One Telephone Company

Pursuant to the FCC's Memorandum Opinion and Order in C.C. Docket 87-579, released October 5, 1989, when more than one telephone company is involved in the provision of FGA access service, the local exchange carriers which are jointly providing the service shall enter into revenue-sharing agreements, with the dial tone office local exchange carrier billing the customer for both originating and terminating FGA usage.

When more than one Telephone Company is involved in the provisions of FGB, FGC, FGD or Special Access services, the Telephone

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

Companies involved will mutually agree upon one of the billing methods described in (A) or (B) following to bill for the transport portion of the service.

The Telephone Company will notify the customer which of the billing methods will be used. The customer will place the order for service as set forth in Section 5.3. The Telephone Company receiving the order or copy of the order from the customer will be responsible for billing the customer according to one of the FCC approved methods. Additionally, the Telephone Company shall provide thirty (30) day advanced notification of any changes in the multiple carrier access billing arrangement.

(A) (1) Single Bill/Multiple Tariff

Under this arrangement, the Telephone Company and the interconnecting carrier companies determine a billing entity (the Telephone Company, the interconnecting carrier, or a third party). The billing entity will prepare a single access bill with each Telephone Company's charges separately identified. The customer then pays

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(1) Single Bill/Multiple Tariff (Cont'd)

the billing entity for the access charges and the billing entity then pays each Telephone Company involved in the provision of the service. This method would require that the billing entity maintain in its billing system the applicable tariff rates and charges for all Telephone Companies involved with the access service.

(2) Single Bill/Pass-Through Billing

Under this arrangement, a predetermined billing company would assemble a single access bill for the entire service provided. Each Telephone Company involved in the provision of the access service prepares an access bill (based on its own tariff) for its portion of the access service and forwards the bill to the billing company. The billing company would combine the various Telephone Company's bills into one access bill to be rendered to the customer.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(3) Single Bill/Single Tariff (LEC-to-LEC Access Billing)

Under this arrangement, the end office Telephone Company is responsible for billing the customer. Included in the Telephone Company's access rate structure would be the cost-based tariff charges of the other Telephone Companies involved in the provision of the access service. The Telephone Company bills the customer for the entire access service and is billed by the other Telephone Companies for the portion of access service they provide.

(B) Multiple Company/Multiple Tariff Billing

Under this arrangement, each Telephone Company providing service will bill the customer according to its tariff. Additionally, these access bills must use the same access minutes of use and include cross references to the other Telephone

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company/Multiple Tariff Billing (Cont'd)

Company's bills, and common circuit identification. This method was described as the least preferable in the FCC's July 20, 1987 Memorandum Opinion and Order. The only issuing carriers selecting this option are those with technical limitations which prevent implementation of one of the single bill options.

- (1) The portion of the Local Transport provided by the Telephone Company is not distance sensitive. The Local Transport rate described in Section 20 will apply to the total number of access minutes. The rate charged for the portion of Local Transport provided by a connecting exchange Telephone Company will be based on the connecting exchange Telephone Company's access tariff and may be distance sensitive.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company/Multiple Tariff Billing (Cont'd)

(2) For Special Access:

- (a) Determine the appropriate Channel Mileage by computing the number of airline miles between the Telephone Company serving wire centers using the V&H method set forth in Section 7.2.
- (b) Determine the billing percentage (BP), as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF FCC NO. 4, which represents the portion of the service provided by each Telephone Company.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company/Multiple Tariff Billing (Cont'd)

(2) For Special Access: (Cont'd)

(c) Multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Channel Mileage Facility rate. Add the Channel Mileage Termination rate.

(d) When three or more Telephone Companies are involved in providing an Access Service, the intermediate Telephone Company(s) will determine the appropriate charges as set forth in (c) preceding, except the Channel Mileage Termination rate does not apply.

(C) EAS Arrangements

Where a customer utilizes FGA Switched Access Services to originate or terminate calls within an Extended Area Service (EAS)

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(C) EAS Arrangements (Cont'd)

calling area provided by more than one telephone company, the Telephone Company may apply additional Switched Access Service charges as set forth in (1) and (2) following, provided the following criteria are met:

- The Telephone Companies involved are not the same Telephone Company and do not provide service under the same Access Service tariff,
- The Telephone Companies do not have a revenue sharing arrangement where one Telephone Company bills the total cost of access which includes the other Telephone Company's cost of access,
- The Telephone Companies involved do not bill Switched Access charges in accordance with the Multiple Company Billing Arrangement for subtending end offices of an access tandem as set forth in (B) preceding.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(C) EAS Arrangements (Cont'd)

- (1) For FGA usage which originates or terminates at a Telephone Company end office within an EAS calling area where the first point of switching (dial tone office) is provided by a different Telephone Company, the Telephone Company will apply Local Transport and Circuit Connection rates to originating access minutes, plus end office rates to originating and terminating access minutes as set forth in Section 20 following. Such Switched Access charges will be in addition to those charges assessed by the Telephone Company in whose exchange the first point of switching (dial tone office) is located. Such usage will be determined as set forth in (2) following.
- (2) FGA usage originating or terminating at Telephone Company end offices in EAS arrangements shall be determined as follows:

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(C) EAS Arrangements (Cont'd)

(2) (Cont'd)

- (a) Where end office specific usage data are available, such data will be used to determine the charges.
- (b) Where end office specific usage data are not available, the total originating and/or terminating usage will be the measured usage or assumed usage at the first point of switching (i.e., dial tone office for FGA). Originating and/or terminating usage will be determined based upon the ratios of the total number of subscriber lines in the Telephone Company exchange to the total number of subscriber lines in the EAS calling area. These ratios will be applied to the total number or originating and/or terminating access minutes to determine the access minutes for the Telephone Company exchange.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company (Cont'd)

(C) EAS Arrangements (Cont'd)

- (3) The ratio used to calculate the access minutes as set forth in (2) preceding will be determined by the Telephone Company and provided to the customer upon request.

2.5 Connections

2.5.1 General

Customer Premise Equipment and Systems may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1 preceding.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions

Access Minute

The unit of usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to, and acknowledged as received by, the customer's facilities connected with the originating exchange. On the terminating end of an intrastate call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable.

Access Service Request

An order to provide the customer with Switched Access Service or Special Access Service or changes to existing services.

Access Tandem

A Telephone Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer's premises.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

The transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's point of termination as an indication that the called party has answered or disconnected.

Area of Service

The term "Area of Service" (AOS) routing denotes the ability to ensure that 800 calls originate from subscribed service areas.

Balance (100 Type) Test Line

An arrangement in an end office which provides for balance and noise testing.

Business Day

The times of day that a company is open for business. Business day hours for the Telephone Company may be determined by contacting the business office.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Busy Hour Minutes of Capacity (BHMC)

The customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Switched Access Service ordered. This customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths for the Switched Access Service ordered.

Call

A customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier

See Interexchange Carrier.

CCS

A standard unit of traffic load that is equal to one hundred (100) seconds of usage or capacity of a group of servers (e.g., trunks). Also known as "100 call seconds".

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Central Office

A local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

Channels/Circuits

A communications path between two or more points of termination.

Channel Service Unit

The term "Channel Service Unit" denotes customer premises equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

Channelize

The term "Channelize" denotes the process of multiplexing-demultiplexing wider bandwidth or higher speed channels into narrow bandwidth or lower speed channels.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Citizens' Service Order Code (CSOC)

A two, four or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Citizens' Service Order Codes are used in the Telephone Company billing system to identify recurring rates and nonrecurring charges.

Coin Station

A location where telephone equipment is provided in a public or semipublic place where end users can originate telephonic communications and pay the applicable charges by inserting coins into the equipment.

Common Channel Signaling

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points in the CCS network.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Common Line

A line, trunk, pay telephone line or other facility provided under the general and/or local exchange service tariffs of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

Communications System

Channels and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company.

Customer Message

A completed intrastate call originated by a customer's end user. A customer message begins when answer supervision from the premises of the ordering customer is received by Telephone Company recording equipment indicating that the called party has answered. A message ends when disconnect supervision is received by Telephone Company recording equipment from either the premises of the ordering customer or the customer's end user premises from which the call originated.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Customer Designated Premises (CDP)

A CDP may be designated by the customer for Switched Access, Special Access, or both in combination. When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDP where the Special Access Service Terminates. Customer transmission facilities and equipment terminated in Telephone Company central offices under EIS arrangements, as defined in Frontier Telephone Companies Tariff No.1, Section 16 are not considered a CDP. However, Telephone Company Special Access Services may be interconnected to such customer equipment using a Cross Connect arrangement.

Customers

Any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity, which subscribes to the services offered under this tariff, including Local Exchange Carriers, Interexchange Carriers (ICs) and end users.

Data Transmission (107 Type) Test Line

An arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Digital Switched 56 Service

A switched access optional feature available with Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Effective Four-Wire

A condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective four-wire (4) transmission is at the discretion of the Telephone company (physical, time domain, frequency-domain separation or echo cancellation techniques).

Effective Two-Wire

A condition which permits the simultaneous transmission in both directions over a channel, which does not insure independent information transmission in both directions. Effective two-wire channels may be terminated with two-wire or four-wire interfaces.

End Office Switch

A local Telephone Company switching system where Telephone Exchange Service customer common lines are terminated for purposes of interconnection to trunks. Included are Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

End User

Any customer of an intrastate telecommunications service that is not a carrier, except that a carrier shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, without making such service available to others, directly or indirectly.

Entry Switch

See First Point of Switching.

Exchange

A unit generally smaller than a Local Access and Transport Area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange includes any Extended Area Service Area that is an enlargement of a Telephone Company's exchange area to include nearby exchanges.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

First Point of Switching

The first Telephone Company or centralized equal access provider location at which switching occurs on the terminating path of a call proceeding from the customer premises to the terminating end office and, at the same time, the last Telephone Company or centralized equal access provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the IC or customer premises.

Host Office

An electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

Immediately Available Funds

A corporate or personal check drawn on a bank account for which funds are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Individual Case Basis (ICB)

A condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

Interconnection Point

The V and H coordinate as determined in NATIONAL EXCHANGE CARRIERS ASSOCIATION TARIFF FCC NO. 4 of a point where facilities of the Telephone Company meet facilities of a connecting exchange Telephone Company.

Interexchange Carrier (IC) or Interexchange Common Carrier

Any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communication by wire or radio, between two or more exchanges.

Interstate Call

A term which denotes both interstate and foreign communications.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Intrastate Call

Any communications within a state subject to oversight by the state regulatory commission.

Line Side Connection

A connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area

A geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Loop Around Test Line

An arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Message

See "Call".

Milliwatt (102 Type) Test Line

An arrangement in an end office which provides a 1004 Hz tone at 0 dBm for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

Net Salvage

The estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

Network Control Signaling

The transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating reorder or busy conditions, alerting, coin denomination, coin collect and coin return tones) to control the operation of the telecommunications system.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Nonsynchronous Test Line

An arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

North American Numbering Plan

A three-digit area (Numbering Plan Area) code and a seven-digit number made up of a three-digit Central Office code plus a four-digit station number.

Off-Hook

The active condition of Switched Access or a Telephone Exchange Service line.

On-Hook

The idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

An arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Originating Direction

The use of access service for the origination of calls from an end user premises to an IC premises.

Overlap Outpulsing

The feature of the exchange access signaling system which permits initiation of pulsing to the customer's premises before the calling subscriber has completed dialing an originating call.

Pay Telephone

Telephone instruments and related facilities that are available to the general public for public convenience and necessity, including public and semi-public telephones, and coinless telephones.

Point of Termination

The point of demarcation within a customer-designated premises at which the Telephone Company's responsibility for the provision of Access Service ends.

Premises

A building or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Primary Exchange Carrier

Denotes the Local Exchange Telephone Company in whose exchange a customer's first point of switching (i.e., dial tone office for FGA).

Prime Service Vendor

The term "Prime Service Vendor" denotes the status of the Telephone Company when contracting directly with the user of TSP service.

Query

The term "Query" denotes the inquiry to a Telephone Company data base to obtain information, processing instructions or service data.

Registered Equipment

The customer's premises equipment which complies with and has been approved within the Registration Provision of Part 68 of the FCC's Rules and Regulations.

Remote Switching Modules and/or Remote Switching Systems

Small, remotely controlled electronic end office switches which obtain their call processing capability from a Digital Host Office. The Remote Switching Modules and/or Remote Switching Systems cannot accommodate direct trunks to an IC.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Secondary Exchange Carrier

Denotes the Local Exchange Telephone Company in whose exchange a FGA customer's end users' end office is located and where the customer's first point of switching is provided by a Primary Exchange Carrier who is not the same Exchange Carrier as the Secondary Exchange Carrier.

Service Management System

The term Service Management System (SMS) denotes the primary 800 service system that interfaces between the regional SCPs and 800 service providers order entry centers and/or systems. The primary function of the SMS is to administer 800 records in the SCPs that involve service provisioning, maintenance network administration and management.

Serving Wire Center

The wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

Shortage of Facilities or Equipment

A condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or multiplexing equipment, etc., necessary to provide the Access Service requested by the customer.

Continued

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Signaling Point (SP)

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and terminating SS7 trunk signaling messages.

Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Telephone Company's SS7 network and performs SS7 message signal routing and screening.

Study Area

A geographical segment of a telephone company's telephone operations, traditionally defined as a telephone company's operations within a state. Study area boundaries are frozen as of November 15, 1984. See 47 C.F.R. Part 36 Appendix-Glossary.

Golden State – Study Area Code 543402

Tuolumne – Study Area Code 544342

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Subcontractor

The term "Subcontractor" denotes the status of the Telephone Company when contracting directly with a Prime Service Vendor to provide TSP to a service user.

Subtending End Office of an Access Tandem

An end office that has final trunk group routing through that tandem.

Synchronous Test Line

An arrangement in an end office which performs marginal

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ACCESS SERVICE

operational tests of supervisory and ring-tripping functions.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Telecommunications Service Priority (TSP) System

Telecommunications Service Priority (TSP) is a regulatory, administrative, and operational system developed by the Federal Government to ensure priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The Federal Communications Commission (FCC) defines NSEP telecommunications services as those services which are used to maintain a state of readiness or to respond to and manage any event or crises, which causes or could cause harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States.

Under the rules of the TSP System, Telephone Companies are authorized and required to provision and/or restore services with TSP assignments before services without such assignments.

Terminating Direction

The use of Access Service for the completion of calls from an IC premises to an end user premises.

Termination Liability

The amount which will be billed if services using specially constructed facilities are terminated prior to the expiration of the Termination Liability Period.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Transmission Measuring (105 Type) Test Line

An arrangement in an end office which provides far-end access to a recorder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

An electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of three hundred (300) to three thousand (3,000) Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

A communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

A set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Trunk Side Connection

The connection of a transmission path to the trunk side of a local exchange switching system. This type of connection is used when providing FGB, FGC, or FGD Switched Access Service.

Two-Wire to Four-Wire Conversion

An arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity (e.g., a central office switch).

V and H Coordinates Method

A method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of WATS or WATS-type services.

Wire Center

A building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

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ACCESS SERVICE

3. Carrier Common Line Access Service

The Telephone Company will provide Carrier Common Line Access Service to customers in conjunction with Switched Access Service provided in Section 6 of this tariff.

3.1 General Description

Carrier Common Line Access provides for the use of Telephone Company provided lines by customers for access to such end users to furnish Intrastate Telecommunication Services.

A Carrier Common Line Access Charge¹ will be applied as follows:

	Rate Per	
	<u>Access Minute</u>	
	<u>Originating</u>	<u>Terminating</u>
Citizens Telecommunications Company of California Study Area	\$0.00000000	\$0.0
Golden State Study Area		
- Non 800/888	\$0.00000000	\$0.0
- 800/888	\$0.00000000	
Tuolumne Study Area	\$0.00000000	\$0.0
Global Valley Networks Study Area	\$0.00000000	\$0.0
West Coast Study Area	\$0.00000000	\$0.0

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¹ See FCC's 8YY Access Charge Reform, Report and Order FCC 20-143, WC Docket No. 18-156, Released October 9, 2020, Adopted October 7, 2020.

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ACCESS SERVICE

4. End User Access Service

4.1 General Description

The Telephone Company will provide End User Access Service to end users who obtain local exchange service from the Telephone Company under its local exchange tariffs.

End User Access provides for the use of an End User Common Line (EUCL) service by an end user.

End User Consumer Rights in accordance with General Order No. 168, Rules Governing Telecommunications Consumer Protection, adopted in Interim Decision No. 04-05-057 dated May 27, 2004 can be found in the local exchange tariff of the Telephone Company.

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4.2 Undertaking of the Telephone Company

- (A) The Telephone Company will provide the use of a EUCL for access to intrastate access services when the end user obtains local telephone exchange service.
- (B) The Telephone Company will be responsible for contacts and arrangements with end users for the billing of End User Access Charges.

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ACCESS SERVICE

4. End User Access Service (Cont'd)

4.3 Application of Surcharges

By order of the Commission in D. 94-09-065, all intrastate end user telecommunications services provided by certificated telecommunications companies will be subject to surcharges for programs required by stature. Surcharge rates are listed in the Local Exchange Tariff.

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Non certificated telecommunications customers subscribing to access services contained herein will have surcahrge fees applied to thier billing by the Utility. Certificated telecommunications company customers of access services must collect from thier end user customers surcharge fees and remit collected amounts as directed by the Commission.

Continued

ACCESS SERVICE

5. Access Ordering

5.1 General

This section describes the regulations and order related charges for services set forth in other sections of this tariff. Order related charges are in addition to other applicable charges for the services provided.

An Access Order is an order to provide the customer with Switched and Special Access or Access Related Service or to provide changes to existing services.

The regulations, rates, and charges for special construction as set forth in Section 20 are in addition to the regulations, rates, and charges specified in this section.

5.1.1 Ordering Conditions

A customer must order direct access to end offices for NXXs served by those end offices or from access tandems subtending those end office NXXs.

A customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multi-point service.

The ordering customer must provide a copy of the access order to the Telephone Company. The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.2 following, the customer must also provide:

Continued

ACCESS SERVICE

5. Access Ordering

5.1 General

5.1.1 Ordering Conditions (Cont'd)

- Customer name and premises address(es).
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities:
 1. order negotiation
 2. order confirmation
 3. interactive design
 4. installation
 5. billing

5.1.2 Service Installation

The Telephone Company will provide the Access Service in accordance with the customer's requested service date, subject to the constraints established by the Telephone Company schedule of applicable service dates.

The Telephone Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched and Special Access Services. The schedule shall specify the applicable service interval for services and the quantities of service that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.2 Service Installation (Cont'd)

The Telephone Company will not accept orders for service dates which exceed the applicable service date by more than six months.

Access Services will be installed during Telephone Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 12.

5.1.3 Selection of Facilities for Access Orders

The Telephone Company will make a reasonable effort to accommodate a customer request for a specific transmission path. The Telephone Company will make the final determination as to transmission paths utilized in the provision of service.

5.1.4 Minimum Period

The minimum period for which Access Service is provided, and for which charges are applicable is one month. When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.4 Minimum Period (Cont'd)

The Minimum Period Charge for monthly-billed services will be determined as follows:

- (A) For Switched Access Service the minimum period charge is set forth in Section 6.
- (B) For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in Section 7.2 following.

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5.1.5 Switched Access Ordering Requirements

(A) Trunk Ordering

Customers may order Feature Groups B, C, D, 800 and 900 Access Services by specifying the number of trunks desired between their premises and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching Options desired. When by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide to the Telephone Company a Traffic Distribution

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.5 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Ordering

Request specifying an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The major traffic types and directionality must also be specified to enable efficient provisioning and billing functions.

There are two major traffic types identified as Originating and Terminating traffic. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating traffic may be further categorized into Domestic, 800, 900, Operator, and IDDD.

When a customer orders Feature Group B, C, D, 800 or 900 Access Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle this traffic.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.5 Switched Access Ordering Requirements (Cont'd)

(B) BHMC Ordering

Customers may order Feature Groups B, C, D, 800 or 900 Switched Access Service by specifying the number of busy hour minutes of capacity (BHMC) from the customer's premises to the end office by Switched Access arrangement and by type of BHMC. This information is used to determine the number of transmission paths as set forth in Section 6 following. The customer then specifies the Local Transport and Local Switching options desired.

The BHMC may be determined by the customer in the following manner. For each day (8:00 a.m. to 11:00 p.m., Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 a.m. hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty (20) consecutive business days, pick the twenty (20) consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and termination minutes shall be included.

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.5 Switched Access Ordering Requirements (Cont'd)

(B) BHMC Ordering (Cont'd)

The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty (20) business day period by twenty (20). This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

5.2 Ordering Requirements

5.2.1 Switched Access Service

(A) Feature Group A

When placing an order for Feature Group A Switched Access Service, the customer shall provide the following information in addition to that set forth in 5.1 preceding:

- The number of lines and the first point of switching (i.e., Dial Tone Office)

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service

(A) Feature Group A (Cont'd)

- Optional Features desired
- Whether the Off-hook Supervisory Signaling is provided by the customer's equipment before the called party answers, or is forwarded by the customer's equipment when the called party answers
- Number of lines to be provided as single lines
- Number of lines to be arranged in multi-line hunt group arrangements
- Directionality (1-way, 2-way, etc.)
- A projected percentage of intrastate use (PIU) as set forth in Section 2.3.9 preceding

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(A) Feature Group A (Cont'd)

- The Interexchange Carrier to which the service is connected or, in the alternative, specify the means by which the FGA access communications are transported to another state.

(B) Feature Group B

When placing an order for Feature Group B Service, the customer shall provide, the following information in addition to that set forth in 5.1 preceding:

- The number of trunks desired
- The end office, except when FGB is provided through a centralized equal access arrangement, when direct routing is desired
- The access tandem office when tandem routing is desired
- Optional Features requested
- Number of trunks to be provided as single trunks

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(B) Feature Group B (Cont'd)

- Number of trunks to be arranged in trunk group arrangements
- Directionality (1-way, 2-way, etc.)
- A projected percentage of intrastate use (PIU) as set forth in Section 2.3.9 preceding
- The Interexchange Carrier to which the service is connected or, in the alternative, specify the means by which the FGB access communications are transported to another state.
- The access code dialing arrangement (i.e., a uniform access code of 950-1XXX or 950-0XXX).
- For Feature Group B switched access service to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D and Interim NXX Translation

When placing an order for Feature Group C and D Switched Access Service, the customer shall provide:

- The number of BHMC from the customer designated premises to the end office by Feature Group and by type of BHMC, or Trunk Quantities.
- The number of trunks desired between customer designated premises and an entry switch or Operator Transfer Service location.
- The number of BHMC or trunks required for or to be converted to an SS7 Signaling capability.
- For customers other than providers of MTS/WATS, the number of trunks desired between customer designated premises and an entry switch.
- The number of BHMC or trunks (for customers other than providers of MTS or WATS) required for or to be converted to an SS7 Signaling capability.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D and Interim NXX Translation (Cont'd)

- Optional Features desired
- A projected percentage of intrastate use (PIU) as set forth in Section 2.3.9 preceding.
- For Feature Group D switched access service to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

When BHMC information is provided it is used to determine the number of transmission paths as set forth in Section 6 following.

The BHMC may be determined by the customer in the following manner. For each day (8:00 a.m. to 11:00 p.m., Monday through Friday, excluding national holidays), the customer shall determine the highest

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D and Interim NXX Translation (Cont'd)

number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 a.m.hour). The customer shall, for the same hour period (i.e., busy hour) for each of the twenty (20) consecutive business days, pick the twenty (20) consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty (20) business day period by twenty (20). This computation shall be performed for each end office the customer wishes to serve. These determinations establish the forecasted BHMC for each end office.

Customers may, at their option, order FGD by specifying the number of trunks desired between customer designated premises and an end office or access tandem. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide the Telephone Company

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D and Interim NXX Translation (Cont'd)

an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements.

When Feature Group D is ordered with the SS7 optional feature, the customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic. The access order charge will apply as set forth in Section 20.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.2 Equal Access Conversions

When an office is scheduled to be converted to equal access, the IC must submit an Access Service Request for FGD service no later than 120 days prior to the end office equal access conversion date in order for the IC to participate in the presubscription process as described in Section 12.3.3 following.

Customers may request existing FGA or FGB services be converted to FGD upon the conversion of an office to equal access. Changes in Feature Group types are provided as described in Section 6 following.

(A) Feature Group D Facilities Shortages

In the event a shortage of FGD resources exists, the Telephone Company will make every reasonable effort to meet all Access Services Requests as of the equal access conversion date. In the event these efforts are unsuccessful, the Telephone Company will notify all ICs requesting FGD service that a shortage of facilities exists and allocation of available facilities among participating ICs is necessary.

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.2 Equal Access Conversions (Cont'd)

(A) Feature Group D Facilities Shortages (Cont'd)

The available resources are determined by the Telephone Company and represent the equipment and facility quantities necessary to provide FGD service, excluding interLATA FGC and interLATA FGC terminating resources currently in service. If the interLATA FGC trunks are arranged to carry two-way traffic, one-half will be considered available resources.

FGD resources are allocated to each IC based on the percent of end users that are presubscribed to that IC as counted thirty (30) days prior to the conversion date. For example, if ten percent (10%) of end users in an end office, or a group of end offices served by a common access tandem, scheduled to be converted to equal access are presubscribed to a particular IC, ten percent (10%) of the total available FGD services will be allocated to that IC.

The quantity of resources in service for each IC as determined by the allocation process will be adjusted on the basis of actual usage and blocking measurements. Actual usage

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.2 Equal Access Conversions (Cont'd)

(A) Feature Group D Facilities Shortages (Cont'd)

adjustments will be made ninety (90) days after conversion to equal access. If necessary, this reallocation process will continue at three month intervals until all initial service requests have been met.

- (B) 800 and 900 Access Service NXX Code Activation shall be ordered by the customer for an entire Telephone Company serving area, State within a serving area, or LATA associated with a Telephone Company serving area. The customer must specify in its Access Service Request, the 800 or 900 NXX codes to be activated or deactivated and the service area desired. The Telephone Company will activate or deactivate the requested NXX codes in all Telephone Company switches which perform the customer identification function for 800 or 900 Access Service within the service area ordered by the customer.

When a customer's 800 Access or 900 Access Service traffic originates from a Telephone Company end office which is not capable of performing the customer

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.2 Equal Access Conversions (Cont'd)

(B) (Cont'd)

identification function the customer may be required, upon reasonable notice, to provide the Telephone Company an estimate of the amount of traffic it will generate from the end office to assist the Telephone Company in its own efforts to project future facility requirements.

For additions and/or deletions of 800 Access or 900 Access Service NXX(s) subsequent to the initial order for service, the customer shall place an Access Service Request identifying the requested changes at least thirty (30) days prior to the desired effective date in order to allow the Telephone Company sufficient time to implement the change. Calls originating in Telephone Company jurisdictions to NXXs, which the customer has not ordered activated will be blocked in the end offices or access tandems, which possess the technical capabilities to block such calls.

(C) Operator Services

Operator Services, as described in Section 6 following, are provided to all customers via Feature Group D Switched

(T)

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.2 Equal Access Conversions (Cont'd)

(C) Operator Services (Cont'd)

Access Service for calls associated with end offices converted to equal access. Operator Services are provided for calls associated with end offices not converted to equal access via Feature Group C Switched

Access Service to AT&T only. Operator Service customers must order, if none exists, sufficient Switched Access trunking facilities between their premises and the Telephone Company designated Operator Service switching locations in accordance with the ordering requirements set forth in (1) and (2) preceding. At the option of the customer, Operator Transfer and Inward Operator Assistance traffic may be combined on the same trunk group. Operator Service switching locations, in which Operator Services are available, are identified in National Exchange Carrier Association Tariff FCC No. 4. Rates and charges applicable to the provision of Operator Service functions are set forth in Section 20 following.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.3 Special Access Service

When placing an order for Special Access Service, the customer must specify:

- The customer designated premises or hubs involved
- Type of service (e.g., Voice Grade, High Capacity, etc.)
- The channel interface(s)
- Technical specification package
- Options desired
- For multi-point services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- Customer must provide PIU. If more than ten percent (10%) interstate traffic, service is considered interstate.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.3 Special Access Service (Cont'd)

A service inquiry is a request to the Telephone Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

Where the Special Access Service is exempt from the Special Access Surcharge, as set forth in Section 7.3.2 following, the customer shall furnish written certification to that effect as set forth in Section 7.3.3 following.

5.2.4 WATS or WATS-Type Services

Special Access Service may be ordered for connection with FGA, FGB, FGC, or FGD Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) for the provision of WATS or WATS-type Services and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC, or FGD Switched Access Service. For the Special Access Service the customer shall specify:

- The customer designated premises at which the Special Access service terminates
- The type of line (i.e., two-wire or four-wire)

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.4 WATS or WATS-Type Services (Cont'd)

- The type of calling (i.e., originating, terminating or two-way)
- Type of Supervisory Signaling.

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, as set forth in Section 7.2.1 following, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

5.2.5 Mixed Use Facilities - Switched and Special Access

Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered as Special Access Service as further elaborated and set forth in Section 7.2.6 following.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.6 Miscellaneous Services

Testing Service, Additional Labor, Telecommunications Service Priority and Special Facilities Routing shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the access service. When miscellaneous services are added to a pending order a service date change may be required. When a service date change is required, the service date change charge as set forth in Section 20 following will apply. When miscellaneous services are added to a pending order, charges for a design change as set forth in Section 20 following, will apply when an engineering review is required. If both a service date change and an engineering review are required, both the Service Date Change Charge, and the Design Change Charge will apply as set forth in 5.3.2 following.

The rates and charges for these services, as set forth in Section 20 of this tariff, will apply in addition to the ordering charges set forth in Section 20, and the rates and charges for the Access Service with which they are associated. These charges are also applicable when a customer orders International Blocking.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.6 Miscellaneous Services (Cont'd)

Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request.

Additional Engineering will only be required as set forth in Section 12 following. When it is required, the customer will be so notified and will be furnished with a written statement identifying the reasons for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than ten percent (10%).

5.3 Access Orders For Services Provided By More Than One Telephone Company

Access Services provided by more than one Telephone Company are services where one end of the Local Transport or Channel Mileage element is in the operating

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

territory of one Telephone Company and the other end of the element is in the operating territory of a different Telephone Company or where the Interim NXX Translation service, and the end office are not provided by the same Telephone Company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in Section 2.4.5 preceding, to be used by the Telephone Companies involved in providing the Access Service. The Telephone Company will notify the customer which of the ordering procedures will apply.

5.3.1 Single Company Billing Ordering

The Telephone Company receiving the order from the customer will arrange to provide the service, and bill the customer as set forth in Section 2.4.5. The customer will place the order with the Telephone Company as follows:

- (A) For Switched Access Services the customer will place the order with the Telephone Company in whose territory the first point of switching is located. The first point of switching is:
- FGA - dial tone office
 - FGB - access tandem, end office or centralized equal access provider

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(A) (Cont'd)

- FGC - end office
- FGD - end office or access tandem

When the first point of switching is not in the same Telephone Company's territory as the Interexchange Carrier premises, the customer must supply a copy of the order to the Telephone Company in whose territory the Interexchange Carrier premises is located, and any other Telephone Company(s) involved in providing the service. When service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

(B) Multiple Company (Interconnection Point) Billing

Each Telephone Company will provide its portion of the Access Service within its operating territory to an interconnection

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

point(s) (IP) with the other Telephone Company(s). The interconnection point(s) and billing percentages will be determined by the Telephone Companies involved in providing the Access Service and listed in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC No. 4. Each Telephone Company will bill the customer for its portion of the service as set forth Section 2.4.5. All other appropriate charges in each Telephone Company tariff are applicable.

When service is ordered under the provisions of the following paragraphs, the customer must also supply a copy of the order to the Telephone Company in whose operating territory a customer designated premises is located and any other Telephone Company(s) involved in providing the service. Additionally, when service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

- (1) For Feature Group A and B Switched Access Service, the customer must place an order with the Telephone Company in whose territory the first point of switching is located, (i.e., FGA - dial tone office, FGB - access tandem or end office). The Telephone Company will designate the first point(s) of switching for FGB Services where the Telephone Company elects to provide equal access through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC NO. 4.
- (2) For Feature Group C and D Switched Access Service, the customer must place an order with the Telephone Company in whose territory the end office is located.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

- (3) Except for Special Access Service provided as set forth in (4) or (5) below, the customer may place the order for a Special Access Service with either Exchange Telephone Company.
- (4) For Special Access Service involving a hub(s), the customer must place the order with the Telephone Company in whose territory the hub(s) is located.
- (5) For Special Access Service to be interconnected with Switched Access Services at Telephone Company designated WATS Servicing Offices for the provision of WATS or WATS-Type Services, the customer must place an order with each Telephone Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated.
- (6) For initiation, additions, changes, or deletions to the 800 NXX code(s), the customer must place an order with the Telephone Company who provides

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(6) (Cont'd)

the Customer Identification Function for 800 Access Service. The customer must also provide a copy of the order to the Telephone Companies subtending the office providing Customer Identification.

- (7) When FGA is ordered in a multi-Telephone Company provided Extended Area Service area or FGB is ordered in a multi-Telephone Company access tandem arrangement, the customer must provide a copy of the order to all Secondary Exchange Carriers. Each Exchange Carrier will bill as set forth in Section 2.4.5 preceding.

(C) EAS Arrangements

Where a customer utilizes FGA to originate and/or terminate calls within an Extended Area Service (EAS) calling area provided by more than one telephone company, as set forth in Section 2.4.5 preceding, the customer shall submit an ASR for FGA service in the manner set forth in (A)

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.1 Single Company Billing Ordering (Cont'd)

(C) EAS Arrangements (Cont'd)

preceding. The customer shall also provide a copy of the ASR to any other Telephone Company involved in providing the service within the EAS calling area.

5.3.2 Access Service Request Modifications

The customer may request a modification of its Access Service Request prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Service Request modification, the Telephone Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service circuits or Switched Access Service lines, trunks, busy hour minutes of capacity or CCS/SS7 Port Terminations will be treated as a new Access Service Request (for the increased amount only).

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

If order modifications are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order modification charges being incurred by the customer.

(A) Service Date Change Charge

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than thirty (30) calendar days. If the customer is unable to accept the service on the established service date and/or the customer requested service date is more than thirty (30) calendar days after the original service date, the customer will have the following options:

- (1) the original order will be canceled by the Telephone Company, and reissued with appropriate cancellation charges applied, or
- (2) the billing will commence for the services ordered on the original ASR.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

(A) Service Date Change Charge (Cont'd)

If the Telephone Company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

If the service date is changed to an earlier date, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (C) following apply. Such charges will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply as shown in Section 20 on a per order per occurrence basis, for each service date changed.

(B) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by Telephone

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

(B) Design Change Charge (Cont'd)

Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer premises, end user premises, end office switch, Feature Group type or Special Access Service circuit type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied. The Telephone Company will review the requested change, notify the customer whether the changes can be accommodated and whether a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

(B) Design Change Charge (Cont'd)

The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is shown in Section 20 of this tariff.

If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

(C) Expedited Order Charge

- (1) When placing an Access Service Request a customer may request a service date that is prior to the Telephone Company's published service date interval. A customer may also request an earlier service date on a pending Access Service Request. If the Telephone Company determines that service cannot be provided on the requested date during normal business hours Expedited Order Charges will be computed and billed to the customer. Expedited Order Charges will also

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

(C) Expedited Order Charge (Cont'd)

(1) (Cont'd)

apply to access orders submitted with a TSP provisioning priority as described in Section 8.8.

The Expedited Order Charge is calculated by multiplying the total nonrecurring charge for the quantity ordered times the number of business days from the requested service date to the last date of the service date interval established by the Telephone Company, and dividing that figure by the total number of business days within the applicable service date interval. For Switched Access, only the Installation Charge is used to calculate the Expedited Order Charge. For Special Access, only the Nonrecurring Charge for service installation is used to calculate the Expedited Order Charge.

(2) If the Telephone Company determines that provision of service on the expedited date will require additional work efforts outside of normal scheduled business hours, the

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Access Service Request Modifications (Cont'd)

(C) Expedited Order Charge (Cont'd)

(2) (Cont'd)

customer will be notified and will be provided with an estimate of the additional charges involved. The charges will be based on the Additional Labor Rates set forth in Section 12 following and are in addition to the Expedited Order Charge calculated in (1) preceding. Actual charges assessed will not exceed the estimate by more than ten percent 10%.

When the request for expediting occurs subsequent to the issuance of the Access Service Request, a Service Date Change as set forth in (A) preceding also applies.

5.3.3 Cancellation of an Access Service Request

A customer may cancel an Access Service Request on any date after receipt of the Access Service Request by the Telephone Company

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.3 Cancellation of an Access Service Request (Cont'd)

and prior to the installation of service. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Access Service Request order is to be canceled. The verbal notice must be followed by written confirmation within ten days. If written confirmation of the cancellation is not received by the Telephone Company, the verbal notice will not be considered a valid cancellation notice. When a customer cancels an Access Service Request for the discontinuance of service, no charges apply for the cancellation.

(A) Delay of Service Date by Customer

If a customer or a customer's end user is unable to accept Access Service within thirty (30) calendar days after the original service date, the customer has the choice of the following options:

- The Access Service Request shall be canceled and charges described in (C) following will apply, or
- Billing for the service will commence.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.3 Cancellation of an Access Service Request (Cont'd)

(A) Delay of Service Date by Customer (Cont'd)

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the thirty-first (31st) day beyond the original service date of the Access Service Request.

(B) Delay of Service Date by Telephone Company

If the Telephone Company misses a service date by more than thirty (30) days due to circumstances over which it has direct control (excluding, e.g., Acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Service Request without incurring cancellation charges.

(C) Cancellation Charge

When a customer cancels an Access Service Request prior to the service date, the Cancellation Charge specified in (1) or (2) following, shall apply:

- (1) For Special Access, the Cancellation Charge is calculated, on a per order.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.3 Cancellation of an Access Service Request (Cont'd)

C) Cancellation Charge (Cont'd)

(1) (Cont'd)

basis, by multiplying the total nonrecurring charge for the quantity ordered by the number of business days elapsed since the order date, and dividing that figure by the number of days in the service interval (i.e. the number of business days between the order date and the last day of the service date interval).

- (2) For Switched Access, the Cancellation Charge is calculated, on a per order basis, by multiplying the total installation charge for the quantity ordered by the number of business days elapsed since the order date, and dividing that figure by the number of days in the service interval (i.e. the number of business days between the order date and the last day of the service date interval), and adding the ASR charge.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.3 Cancellation of an Access Service Request (Cont'd)

(D) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service circuits or Switched Access Service lines, trunks, busy hour minutes of capacity or CCS/SS7 Port Terminations on a pending ASR will be treated as a partial cancellation. The charge will be determined by multiplying the total switched access installation or special access nonrecurring charge for the canceled portion of the order by the number of business days elapsed since the order date and dividing that figure by the number of days in the service interval.

5.3.4 Minimum Period Charges

- (A) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

Continued

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.4 Minimum Period Charges (Cont'd)

(A) (Cont'd)

For purposes of applying minimum period charges, the disconnect date shall be two business days after the date the Telephone Company receives written notification from the customer, or the date the customer requests service be disconnected, whichever is the later date.

(B) The Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service, the charge for a month or fraction thereof, is equal to the sum of the applicable switched access rates, times the actual or assumed usage for the month as set forth in Section 6 following.

For Special Access Service, the charge for a month, or fraction thereof, is the applicable monthly rates for the service as set forth in Section 7.2.3 following.

(T)

Continued

ACCESS SERVICE

6. Switched Access Service

6.1 General

The Telephone Company adopts Section 6 and the associated rates in Section 20 Frontier Telephone Companies Tariff FCC No. 1 (the Telephone Company's Interstate Access tariff) effective as of July 3, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows and in Section 20 through 23 of this tariff.

West Coast Study Area

The Telephone Company adopts Section 4 of the Frontier Telephone Companies Tariff FCC No. 5 (the Telephone Company's Interstate Access tariff) effective as of July 3, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows and in Section 24 of this tariff.

6.2 Language Exceptions

(None)

(N)

(N)

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ACCESS SERVICE

6. Reserved For Future Use

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ACCESS SERVICE

6. Reserved For Future Use

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ACCESS SERVICE

6. Reserved For Future Use

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ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises*, directly, through a Telephone Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Circuit Types

There are six types of circuits used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic circuit and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

*Telephone Company Centrex Co switches are considered to be a customer designated premises for purposes of this tariff.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Circuit Types (Cont'd)

For purposes of ordering circuits, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the circuit nor to imply that the circuit is limited to a particular use.

Following is a brief description of each type of circuit:

Voice Grade - a circuit for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Circuit Types (Cont'd)

Digital Data - a circuit for the digital transmission of synchronous serial digital data at rates of 2.4, 4.8, 9.6, 19.2, 38.4 or 56 kpbs.

High Capacity - a circuit for the transmission of isochronous serial digital data at rates of 1.544, 6.312, 44.736 or Mbps.

Detailed descriptions of each of the channel types are provided in 7.4 through 7.6 following.

The customer also has the option of ordering Voice Grade and High Capacity facilities (i.e., 1.544 Mbps, 6.312 Mbps, and 44.736 Mbps) to Telephone Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.4 and 7.6 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.4.3 through 7.6.3 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions

For the purposes of ordering, there are three (3) categories of Special Access Service. These are:

Service Designator Codes

Voice	VG
Digital Data	DDS
High Capacity	HC

Each service consists of a basic channel to which a technical specifications package, (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specification packages and optional features and functions are described in 7.4.2 following. Channel interfaces are described in Section 11.1 following.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

The channel descriptions provided in Sections 7.4 through 7.6 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, between hubs, or between a customer designated premises and a WATS Serving Office.

(A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in Section 11.2 following.

(B) Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

(B) (Cont'd)

communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in Section 11.3 following, in a combination format.

(C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (E) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

(D) The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards listed in the provision will be maintained at the performance levels specified in this tariff.

(E) The optional features and functions available with each type of Special Access Service

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

(E) (Cont'd)

are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 7.4.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.

(F) All services installed after July 1, 1992, will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-TSY-000335
	PUB 41004, Table 4
Digital Data	TR-NPL-000341 and
	associated Addendum
	PUB 62310
High Capacity	TR-INS-000342
	UB 62411

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and a WATS Serving Office (WSO).

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

A Special Access Surcharge, as set forth in 7.3 following, may be applicable.

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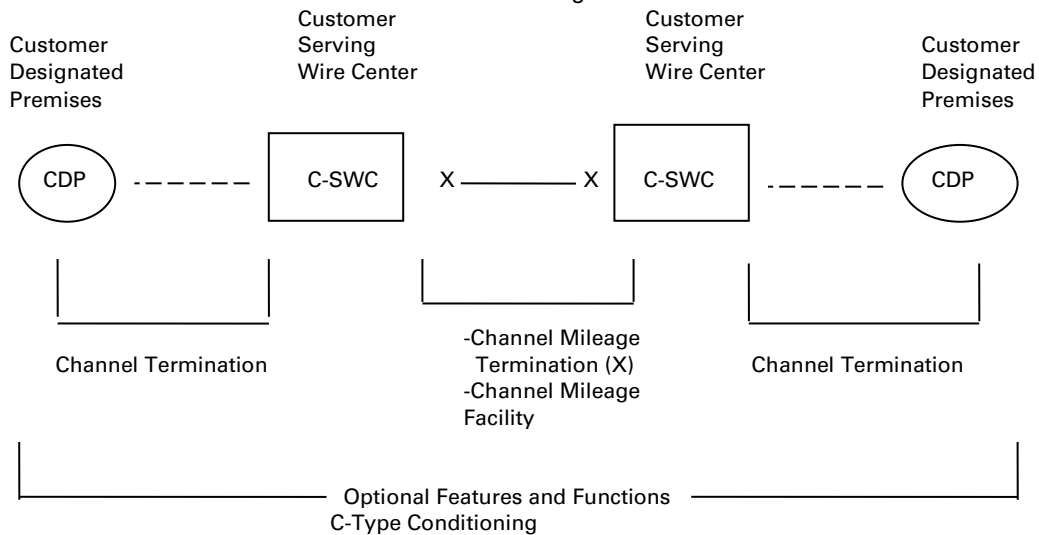
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

The following diagram depicts a two-point Voice Grade service connecting two Customer Designated Premises (CDP). The service is provided with C-Type conditioning.



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
 - 2 Channel Mileage Termination plus
 - 1 section, Channel Mileage Facility per mile
- C-Type Conditioning Optional-Feature

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ACCESS SERVICE

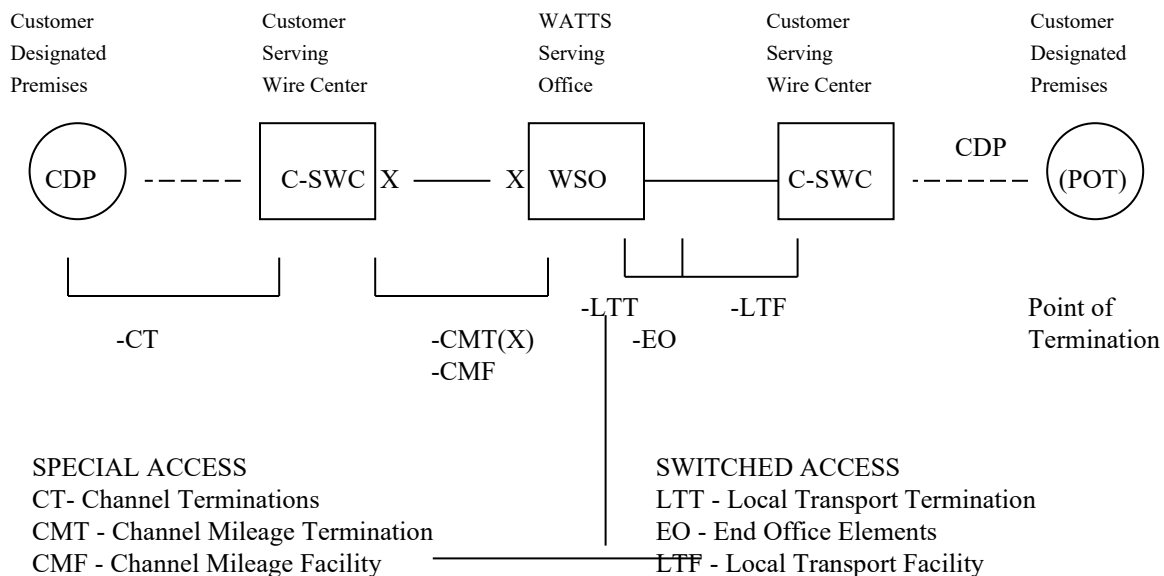
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

The following diagram depicts a two-point Voice Grade service connecting a customer designated premises to a WATS serving office.



Applicable rate elements for Special Access are:

- Channel Termination
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 section, Channel Mileage Facility per mile
- Special Access Surcharge*

*May not apply if exemption certification is provided.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through one or more Telephone Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding and Section 11.2 following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

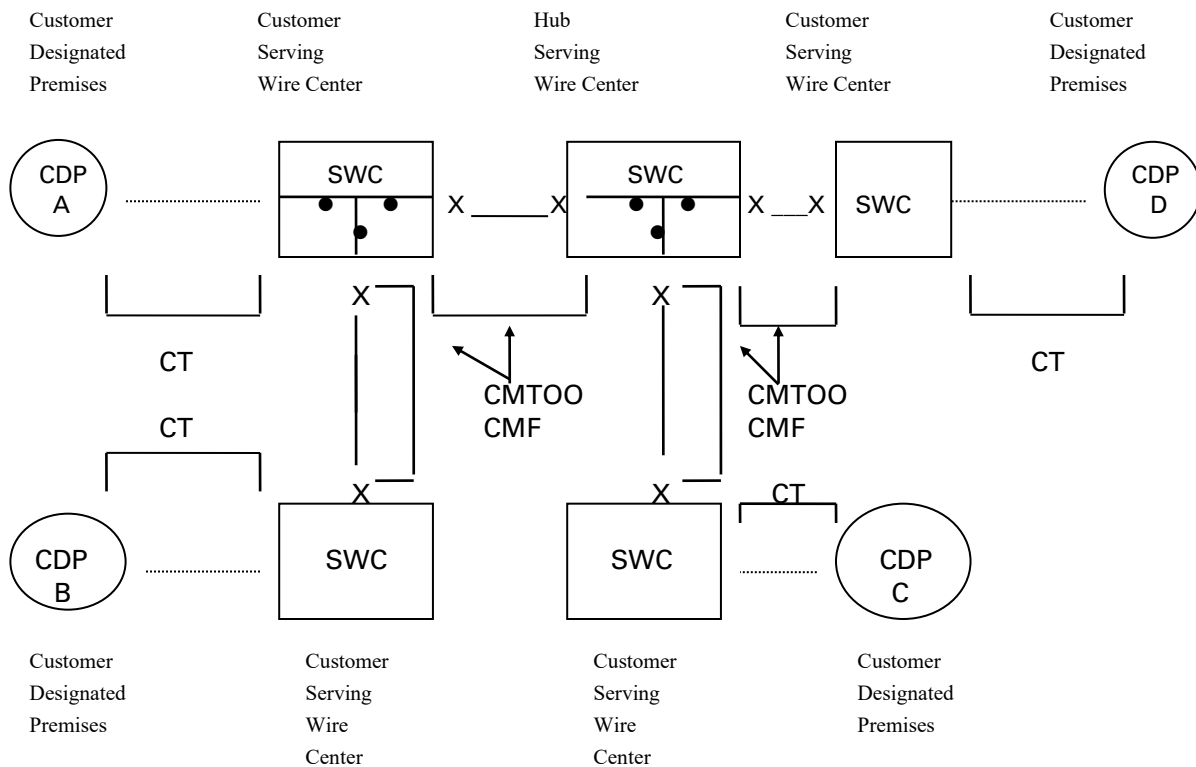
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

When ordering, the customer will specify the desired bridging hub(s). NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF FCC NO. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



Applicable rate elements are:

- Channel Termination (4 applicable)
- Channel Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging (6 applicable, i.e., each bridge port)
- Additional Optional Features and Functions (when applicable)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 20 following, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Channel Terminations, Channel Mileage (as applicable) and Optional Features and Functions (if any)].

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 8.8 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.6 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test the following at the time of installation:

- (A) For Voice Grade analog services, the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in Section 12.2 following, is available at the customer's request. All test results will be made available to the customer upon request.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.7 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

7.1.8 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

7.1.9 Special Conditions

The following services are furnished only to the same customer, on the same premises as of January 1, 1995. These services will no longer be offered as of two years following the effective date of this tariff page.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.9 Special Conditions (Cont'd)

<u>S&E Code</u>	<u>Service</u>	<u>Rates Per Month</u>	
PL1T1	Private Line 1st Term	\$18.00	
PLDPC	Private Line Mileage 1/2	\$12.00	(I)
PLML1	Private Line Mileage	\$. 65	
PLML2	Private Line Mileage	\$2.70	
PLML3	Private Line Mileage	\$3.90	
PLML4	Private Line Mileage	\$2.60	
PLML5	Private Line Mileage	\$3.25	
PLSP	Private Line Termination	\$6.00	

7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.2.1(A) following)
- Channel Mileage (described in 7.2.1(B) following)
- Optional Features and Functions (described in 7.2.1(C) following)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(A) Channel Termination

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in (C) following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collected in a Telephone Company building.

For the avoidance of any doubt when a customer orders Special Access Service to a Telephone Company Switch, that switch is a Customer Designated Premise (CDP) where the Special Access terminates.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub or between two Telephone Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s).

(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination (Cont'd)

the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub. If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers),

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination (Cont'd)

neither the Channel Mileage Facility
rate nor the Channel Mileage
Termination rate will apply.

(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions (Cont'd)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4 identifies serving wire centers, hub locations and the type of bridging or multiplexing functions available.

Descriptions for each of the available Optional Features and Functions are set forth in 7.4.3 through 7.6.3 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have thirty (30) days.

(B) Daily Rates

Daily rates are recurring rates that apply to each twenty-four hour period or fraction thereof that Access service is provided for part-time use. For purposes of applying daily rates, the twenty-four hour period is not limited to a calendar day.

Part-time Access Service provided within a consecutive thirty (30) day period will be charged the daily rate, not to exceed the monthly rate. For each day or partial day after a consecutive thirty (30) day period of service, a charge equal to 1/30th of the monthly rate shall apply.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

(1) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in Section 5.3.2 preceding.

Changes in the physical location of the point of termination or customer designated premises are moves as described below:

(a) Moves

A move involves a change in the physical location of either the customer's premises or a point of termination at the customer's premises. The charges for the move are dependent on whether the move is to be a new location within the same building or to a different building.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Service Rearrangements (Cont'd)

(b) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements.

(c) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and a start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Service Rearrangements (Cont'd)

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in Section 2 preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Service Rearrangements (Cont'd)

Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in Section 20 following.

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization
- Change of customer circuit identification,

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Service Rearrangements (Cont'd)

- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in Section 20 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Service Rearrangements (Cont'd)

- If the change involves the addition of an optional feature or function, or if the change involves changing the type of signaling on a Voice Grade service, and for all other changes, the Access Order Charge as set forth in Section 20 following will apply.

(2) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

(3) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Installation of Optional Features and Functions (Cont'd)

nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in Section 20 following will apply per order.

7.2.3 Minimum Periods

The minimum service period for all services is one month and the full monthly rate will apply to the first month. adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in Section 5.3 preceding.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.4 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage Facility is calculated on the airline distance between the locations involved, i.e.,

- the serving wire centers associated with two customer designated premises,
- a serving wire center associated with a customer designated premises and a Telephone Company hub,
- two (2) Telephone Company hubs,
- or between the serving wire center associated with a customer designated premises and a WATS Serving Office.

The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

Mileage charges are shown with each channel type. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.4 Mileage Measurement (Cont'd)

When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. When more than one Telephone Company is involved in the provision of service, billing will be accomplished as set forth in Section 5.3.1 preceding.

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e.,

- customer designated premises serving wire center to hub,
- hub to hub, and/or
- hub to customer designated premises serving wire center.

However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

See the service configuration example for multipoint service as set forth in Section 7.1.3 preceding.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Facility Hubs

A customer has the option of ordering Voice Grade service or High Capacity services (i.e., DS1, DS2, or DS3) to a facility hub for channelizing to individual services requiring lower capacity facilities.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub. NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from high capacity to voice frequency channels

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Facility Hubs (Cont'd)

service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a High Capacity service is de-multiplexed to provide

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Facility Hubs (Cont'd)

channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, 6.312 Mbps High Capacity service is de-multiplexed, to four DS1 channels and then one of the DS1 channels is further demultiplexed to 24 individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Channel Mileage charges also apply between the hubs.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Facility Hubs (Cont'd)

rate elements required to provide the part-time service (i.e., Channel Termination, Channel Mileage and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

7.2.6 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Telephone Company hub where the Telephone Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services.

The High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.6 Mixed Use Analog and Digital High Capacity Services (Cont'd)

the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed use facility.

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided. The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Channel Termination and Channel Mileage rates will be reduced accordingly

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.6 Mixed Use Analog and Digital High Capacity Services (Cont'd)

(e.g., 1/24th for DS1 service, etc.). Switched Access Service rates and charges, as set forth in Section 20 following, will apply for each channel that is used to provide a Switched Access Service.

The customer must place an order for each individual Switched or Special Access Services utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

7.3 Surcharge for Special Access Service

7.3.1 General

Special access services provided under this tariff may be subject to the monthly Special Access Surcharge.

7.3.2 Application

(A) The Special Access Surcharge will apply to each intrastate Special Access Service that terminates on an end user's PBX or other device, where through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include, but are not limited to, wiring and software functions, bridging, switching or patching of

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.2 Application (Cont'd)

(A) (Cont'd)

calls or stations. The Surcharge will apply irrespective of whether the interconnection functions are performed in equipment located at the customer's premises or in a Centrex CO-type switch.

(B) Special Access Service will be exempted from the Surcharge by the Telephone Company upon receipt of the customer's written certification for the following Special Access Service terminations:

- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA equivalent ONALS; or
- (2) an analog channel termination that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or
- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.2 Application (Cont'd)

(B) (Cont'd)

(4) (Cont'd)

common lines such as, terminations which are restricted through hardware or software; or

(5) a termination that interconnects either directly or indirectly to the local exchange network such as where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination, or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or

(6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device which interconnects the Special Access Service to a local exchange subscriber line.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.3 Exemption of Special Access Service

- (A) Special Access Services which are terminated as set forth in 7.3.2(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company as follows:
- at the time the Special Access Service is ordered or installed;
 - at such time as the service is reterminated to a device which does not interconnect the service to local exchange facilities; or
- (B) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in 7.3.2(B) preceding, for each termination, and the date which the exemption is effective.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.3 Exemption of Special Access Service (Cont'd)

- (C) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.
- (D) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

7.3.4 Rate Regulations

- (A) The surcharge will apply as set forth in 7.3.2(A) preceding, except that a surcharge will be assessed on a per voice grade equivalent basis for Special Access Services derived from High Capacity Special Access Services.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.4 Rate Regulations (Cont'd)

(A) (Cont'd)

If the customer claims exemption(s) as set forth in 7.3.3 preceding or, is not utilizing all available voice grade equivalents and has spare capacity, the number of surcharges would be reduced accordingly.

In the case of multipoint Special Access Services, one (1) Special Access Surcharge will apply for each termination of a Special Access Channel at an end user's premises.

(B) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each intrastate Special Access Service installed unless exemption certification is provided as set forth in 7.3.3 preceding.

(C) If a written certification is not received at the time the Special Access Service is obtained, the Surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations set forth in (D) following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.4 Rate Regulations (Cont'd)

D) Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification, as set forth in 7.3.3 preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification.

7.4 Voice Grade Service

7.4.1 Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company hub or hubs, or between a customer designated premises and a WATS Serving Office (WSO).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.1 Basic Channel Description (Cont'd)

Voice Grade Special Access services are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Voice Grade Service are as set forth in Section 20 following.

7.4.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in the following matrix. Compatible network channel interfaces are set forth in Section 11.3 following

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.2 Technical Specifications Packages and Network Channel Interfaces (Cont'd)

Parameter	Package VG													
	C*	1	2	3	4	5	6	7	8	9	10	11	12	CA
Attenuation														
Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X	X
Envelope Delay														
Distortion	X						X	X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X	X
Intermodulation														
Distortion	X						X	X	X	X	X	X		X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain, Hits, and Dropouts	X													
Phase Jitter	X						X	X	X	X	X	X	X	X
Return Loss													X	
Signal-to-C														
Message Noise					X									
Signal-to-C														
Notch Noise	X					X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NWT-000334 and TR-TSY-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical PUB 41004, Table 4.

* The desired parameters are selected by the customer from the list of available parameters.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions

(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telemetry and Alarm Bridging

Active Bridging
Passive Bridging

The rates for these options are set forth in Section 20 following.

(B) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in Section 20 following.

For two-point services, the parameters apply to each service as measured end-to-end. For multipoint services, the parameters apply as measured on each mid-link or as measured on each end link. C-Type conditioning and Data Capability may be combined on the same service.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd))

7.4.3 Optional Features and Functions (Cont'd)

(B) Conditioning (Cont'd)

(1) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-TSY-000335.

(2) Improved Attenuation Distortion*

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-TSY-000335. This option is available only when ordered in combination with C-Type Conditioning.

*Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(B) Conditioning (Cont'd)

(3) Improved Envelope Delay Distortion*

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-TSY-000335. This option is available only when ordered in combination with C-Type Conditioning.

(4) Data Capability (D Conditioning)

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or three-point multipoint services.

*Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(B) Conditioning (Cont'd)

(4) Data Capability (D Conditioning) (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in Section 20 following.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(C) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four-wire (4) transmission. The ranges are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in Section 20 following.

(D) Improved Return Loss

- (1) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in Section 20 following

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(D) Improved Return Loss (Cont'd)

- (2) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in Section 20 following.

(E) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in Section 20 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(E) Signaling Capability (Cont'd)

The following network channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR, and TF.

The following network channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV, and SF. The signaling capability charge will not apply when used in the provision of WATS access service.

(F) Four-Wire (4)/Two-Wire (2) Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the four-wire Channel Termination rate as set forth in Section 20 following when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic four-wire Channel Termination rate.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(G) Improved Two-Wire (2) Voice Transmission

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	35 dBrnc
51 to 100	37 dBrnc
101 to 200	40 dBrnc
201 to 400	43 dBrnc
401 to 1000	45 dBrnc

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(G) Improved Two-Wire (2) Voice Transmission (Cont'd)

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

The rate for the provision of Improved Two-Wire Voice Transmission is included as part of the basic Channel Termination rate.

7.5 Citizens Digital Network

7.5.1 Basic Channel Description

A Digital Data channel is a channel for duplex four-wire (4) transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 38.4, or 56 Kbps where facilities are available. The actual bit rate is a function of the channel interface selected by the customer. The channel

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Citizens Digital Network (Cont'd)

7.5.1 Basic Channel Description (Cont'd)

provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

The customer will provide the Channel Service Unit/Data Service Unit equipment associated with the Digital Data channel at the customer premises.

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Rates and charges for Special Access Citizens Digital Network are as set forth in Section 20 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Citizens Digital Network (Cont'd)

7.5.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 7.4.2. Compatible channel interfaces are set forth in Section 11.3 following.

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data Channel:

<u>NCI</u>	<u>Bit Rate</u>
DU-24	02.4Kbps
DU-48	04.8Kbps
DU-96	09.6Kbps
DU-19	19.2Kbps
DU-38	38.4Kbps
DU-56	56.0Kbps

7.5.3 Optional Features and Functions

The Optional Features and Functions described in (A) following are only available where Citizens Digital Network is provided via a hub.

(A) Central Office Bridging Capability

Digital data bridging is available on individual case basis only.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Citizens Digital Network (Cont'd)

7.5.3 Optional Features and Functions (Cont'd)

(B) Secondary Channel

Secondary Channel is an optional feature associated with a primary Citizens Digital Network channel(s). This offering will be provided with the new installation of Citizens Digital Network only, and must be ordered at the same time the primary channel(s) is ordered.

Secondary Channel describes a second, totally independent, lower speed channel operating in parallel with the primary channel of a Digital Data Access Service circuit.

The types of secondary channels offered to provide for the simultaneous, independent two-way transmission of digital signals between two or more customer premises each having Secondary Channels are as follows:

- Secondary Channel furnished for digital transmission at a synchronous rate of 133 bps, operating in parallel with a primary 2.4 kbps (DA1) channel (per station).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Citizens Digital Network (Cont'd)

7.5.3 Optional Features and Functions (Cont'd)

(B) Secondary Channel (Cont'd)

- Secondary Channel furnished for digital transmission at a synchronous rate of 266 bps, operating in parallel with a primary 4.8 kbps (DA2) channel (per station).
- Secondary Channel furnished for digital transmission at a synchronous rate of 533 kbps, operating in parallel with a primary 9.6 kbps (DA3) channel (per station).
- Secondary Channel furnished for digital transmission at a synchronous rate of 2,666 bps, operating in parallel with a primary 56 kbps (DA4) channel (per station).

7.6 High Capacity Service

7.6.1 Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps* or 1.544,

*Available only as a channel of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment data.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.1 Basic Channel Description (Cont'd)

6.132, 44.736, or isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

The customer will provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous twenty-four (24) hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designated, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

Rates and charges for Special Access High Capacity Service are set forth in Section 20 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 7.4.2. Compatible channel interfaces are set forth in Section 11.3 following.

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

<u>NCI</u>	<u>Bit Rate</u>
64 Kbps*	
DS-15	1.544 Mbps (DS1)
DS-63	6.312 Mbps (DS2)
DS-44	44.736 Mbps (DS3)

*A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Telephone Company hub.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions

(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer designated premises. The customer is responsible for providing the equipment at its designated premises.

(B) Central Office Multiplexing

(1) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(B) Central Office Multiplexing (Cont'd)

(2) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

(3) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Citizens Digital Network.

(4) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 Kbps channels utilizing digital time division multiplexing.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(B) Central Office Multiplexing (Cont'd)

(5) DSO to Subrate

Where facilities are available, the telephone company will provide an arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty (20) 2.4 Kbps, ten (10) 4.8 Kbps, or five (5) 9.6 Kbps channels using digital time division multiplexing.

The table set forth in 7.4.2 shows the technical specifications packages with which the optional features and functions are available

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Individual Case Filings

Certain services set forth in Special Access Service, Section 7 are provided on an Individual Case Basis. Services provided on an Individual Case Basis are set forth in Section 20 following.

7.8 Special Conditions

In Decision 96-10-066, the California Public Utilities Commission (CPUC) established the California Teleconnect Fund (CTF). This program provides discounts on telecommunications services delineated herein to qualifying schools, libraries, hospitals and health clinics, and community based organizations, approved by the CPUC, as described below.

These organizations must apply to the California Public Utilities Commission for the CALIFORNIA Teleconnect Fund (CTF) program discount and receive approval of their application prior to the discount being applied, pursuant to the process described in Resolution T-16742.

The following business services are subject to a 50% discount on all monthly rate(s) (excluding the non-recurring charges) for eligible entities where services are available.

- Digital Channel Service (T-1 or DS1 equivalent)
- High Capacity Digital Service or functional equivalents (including, but not limited to, DS3)

These discounted services may not be resold to, or shared with, any other non-qualifying person or entity.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.8 Special Conditions (Cont'd)

7.8.1 Funding

If the Executive Director of the California Public Utilities Commission (CPUC) determines that there are insufficient funds to reimburse the Utility for its claims against the CTF, the CPUC will promptly inform the Utility concerning this condition and direct the Utility to suspend the offering of applicable discounted rates to qualifying Schools, Libraries, Government Owned Hospitals, Government Owned Health Clinics, and Community Based Taxed Exempt Organizations on a schedule consistent with fund balances and utility claims and with appropriate prior notice to customers.

(A) Schools and Libraries

To qualify for the discount, schools must be public or nonprofit schools providing elementary or secondary education and which do not have endowments of more than \$50 Million. Only those libraries, which are eligible for participation in state based plans for funds under Title III of the Library Services and Technology Act qualify for the discount.

Qualifying schools and libraries shall be entitled to a 50% discount off tariffed rates or negotiated/contract rates, whichever are lower, for services in this section preceding, after first deducting the applicable E-rate discounts. The 50% discount shall be calculated as follows:

Continued

(N)

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.8 Special Conditions (Cont'd)

7.8.1 Funding (Cont'd)

(A) Schools and Libraries (Cont'd)

If the customer has not been approved to receive E-rate discounts, whether or not an application is pending, the 50% discount will be applied to all eligible services after deducting a statewide average E-rate discount (determined by the CPUC) from the billed amount.

If the customer has been approved to receive E-rate discounts, the 50% discount will be applied to the services after deducting the actual E-rate discounts from the billed amount.

The statewide average discount is deducted from the customer's services solely for purposes of calculating the CTF discount. The statewide average discount shall be added back to the billed amount for payment by the customer. However, when the customer receives its approved E-rate benefit, the customer's account will be retroactively adjusted to reflect the approved E-rate.

The following schools and libraries shall be entitled to a 50% discount off the entire tariffed rates or negotiated/contract rates, whichever are lower, for services identified in this section preceding: small schools as defined in Section 42283 of the Education Code, participants whose E-rate applications have been denied, and participants who subscribe to services that are ineligible for E-rate discounts.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.8 Special Conditions (Cont'd)

7.8.1 Funding (Cont'd)

(B) Hospitals

Must be district owned, municipal or county government owned and operated hospital or health clinic.

Qualifying hospitals and health clinics shall be entitled to a 50% discount off tariffed rates or the rates charged to other businesses for those same services, whichever is lower.

(C) Community Based Organizations (CBOs)

Must be tax-exempt organizations offering health care, job training, job placement, or educational instruction, or a community technology program offering access to and training in the Internet and other technologies. A "tax exempt organization" shall refer to an organization described in Section 501 (c) (3) or 501(d) of the Internal Revenue Code, Title 26 of the United States Code. In order to qualify for the CBO discount, the CBO must provide proof at the time of application that it is a tax exempt organization and that it offers healthcare, job training, job placement, or educational instruction.

Qualifying CBOs shall be entitled to a 50% discount off tariffed rates or the rates charged to other businesses for those same services, whichever is lower. CBOs are not eligible for Federal Communications Commission's E-Rate Discounts.

(N)

(N)

Continued

ACCESS SERVICE

8. Special Federal Government Access Services

8.1 General

This section covers Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security. In addition, this section covers the Telecommunications Service Priority (TSP) System service and procedures as set forth in 8.8.1(D) since it is administered by the Federal Government.

Services for command and control communications and for national security and emergency preparedness may sometimes be provided under non-emergency conditions for a short duration to determine network assurance. However, the Telephone Company reserves the right limit or to decline participation in these non-emergency condition requests for service.

8.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.2 Emergency Conditions (Cont'd)

- (A) State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").
- (B) Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)
- (C) Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.
- (D) The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to protection of life and property or to the National Defense that it must be processed immediately.
- (E) Political unrest in foreign countries which affect the national interest.
- (F) Presidential service.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.3 Intervals To Provide Service

The services provided under the provisions of this section of the tariff are provided on an individual case basis.

8.4 Safeguarding of Service

8.4.1 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service as set forth in 8.8 following.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to service.

8.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.6 Mileage Application

Mileage, when used for rate application between two customer designated premises, shall be determined by the V and H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC NO. 4 for WIRE CENTER INFORMATION (V and H coordinates).

8.7 Move Charges

When service is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

8.8 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8. Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire facilities between two customer premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced) to one milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 Hz

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services
(Cont'd)

(1) Voice Grade Secure Communications
Type I (Cont'd)

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1,000 Hz

±1 dB between 1,000 Hz and 40,000 Hz

±2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services
(Cont'd)

(2) Voice Grade Secure Communications
Type II

Approximate bandwidth 10-50,000 Hz.
Furnished on four-wire facilities for
duplex operation for two-point secure
communications between an IC
premises on an end user's premises
and an end user's premises. Services
are conditioned as follows:

G-1 Conditioning - The absolute loss
with respect to frequency and the net
loss variation shall be the same as
Voice Grade Secure Communications
Type I services without additional
conditioning. Voice frequency signaling
or supervisory tones can be
transmitted.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services
(Cont'd)

(3) Voice Grade Secure Communications
Type III

Approximate bandwidth 10-50,000 Hz.
Furnished on four-wire facilities for
duplex operation for two-point secure
communications between a customer
premises switch and a customers'
premises. Services are conditioned as
follows:

G-2 conditioning - The absolute loss
with respect to frequency and the net
loss variation from the switch to an
end user's premises shall be the same\
as Voice Grade Secure
Communications Type I services
without additional conditioning: from
an end user's premises to the switch
shall be the same as Voice Grade
Secure Communications Type I services
with additional conditioning. Voice
frequency signaling or supervisory
tones can be transmitted.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services
(Cont'd)

(4) Voice Grade Secure Communications
Type IV

Approximate bandwidth 10-50,000 Hz.
Furnished on four-wire facilities
for duplex operation for two-point
secure communications between two
customer premises switches. Services
are conditioned as follows:

G-3 conditioning - The absolute loss
with respect to frequency and the net
loss variation shall be the same in both
directions of transmission as Voice
Grade Secure Communications Type I
services with additional conditioning.
Voice frequency signaling or
supervisory tones can be transmitted.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(B) Wideband Data Special Access Services

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(B) Wideband Data Special Access Services
(Cont'd)

(3) Wideband Secure Communications
Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty (20) microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

(C) Special Routing Access Service

Special Routing Access Service is a specialized service for use by carriers authorized to provide their service for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(C) Special Routing Access Service (Cont'd)

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished under other provisions of this tariff.

The Telephone Company will manually record Special Routing Access Service Active Mode Trunk Usage, and will bill the customer in accordance with these records. The hours for each trunk ordered will be summed and then rounded to the nearest half hour, except that when the initial activation total is less than one hour, one hour will be used to determine the charge.

(D) Telecommunications Service Priority (TSP) System

- (1) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

(1) (Cont'd)

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness(NSEP) Service User Manual" (NCSM 3-1-1).

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

(1) (Cont'd)

Access Services. The TSP System applies only to NSEP telecommunications services, and requires and authorizes priority action by the Telephone Company providing such services.

(2) The TSP System's applicability is limited to Access Services which the Telephone Company can discreetly identify for priority provisioning and/or restoration.

(3) Some of the elements required for the TSP System are included in other sections of this tariff as general service offerings. They have been referenced in this section to reflect the complete TSP System with appropriate references to those other sections of the tariff for regulations, rates and charges.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

- (4) The customer for TSP System Service also must be the same customer for the Access Service with which it is associated.
- (5) Under certain conditions it may be necessary to interrupt one or more customer services with a lower or no restoration priority in order to install or restore NSEP telecommunications service(s) of a higher priority. If such interruption is necessary, and if circumstances permit, the Telephone Company will make reasonable effort to notify the interrupted service customer of the action to be taken. Credit allowance for such service interruption shall be made in accordance with the provisions set forth in Section 2.4.3.
- (6) The customer, in obtaining TSP System service, acknowledges and consents to the provision of certain customer service record information by

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

(6) (Cont'd)

the Telephone Company to the Federal Government, as specified in the TSP Service Vendor Handbook, in order for the Government to maintain and administer its overall TSP System. This customer service record information will include only TSP Authorization Code and Telephone Company Circuit/Service ID.

(7) When priority Restoration Maintenance and Administration, as defined in the TSP Service Vendor Handbook, is discontinued (Revocation of Assigned Restoration Priority), and the associated Access Service is continued in service, the charge specified in Section 20 will not apply for such a discontinuance.

(8) Credit allowance for service interruption for Priority Restoration Maintenance and Administration shall be the same as for the Access Service with which it is associated as set forth in Section 2.4.3 preceding.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

(9) Certain activities performed by the Telephone Company in association with the TSP System are as follows:

- (a) Priority Installation Invocation includes System Development, Verification, Confirmation and Preemption.
- (b) Priority Restoration Level Implementation includes System Development, Verification and Confirmation.
- (c) Priority Restoration Level Change includes Verification and Confirmation.
- (d) Priority Restoration Maintenance and Administration includes Reconciliation and Preemption.

Continued

ACCESS SERVICE

8. Special Federal Government Access Services (Cont'd)

8.8 Service Offerings to the Federal Government (Cont'd)

8.8.1 Type and Description (Cont'd)

(D) Telecommunications Service Priority (TSP) System (Cont'd)

- (10) The customer, in obtaining a Priority Restoration, recognizes that quoting charges and obtaining permission to proceed with the installation or restoration of certain access services will cause unnecessary delays. In subscribing to Priority Restoration service the customer recognizes this condition and grants the Telephone Company the right to quote charges after the restoration has been completed.

Continued

ACCESS SERVICE

9. Billing and Collection Services

The Telephone Company, at the option of a customer, will provide the following Ancillary Services:

- (A) Recording
- (B) Rating
- (C) Bill Processing
- (D) Bill Rendering
- (E) CMDS II
- (F) Inquiry
- (G) Data Transmission
- (H) Record Keeping

Customer's may determine Billing and Collection requirements that are not covered in this section of the tariff. All requests for modification to the Telephone Company billing and collection processing systems will require a feasibility study to determine if the customer's additional needs can be met. Customer's may also request that the Telephone Company provide certain tax compliance functions. The charges and rates plus the time periods will be administered on an individual case basis.

When requested, the Telephone Company will disclose to federal and state public utility Commissions and law enforcement agencies, customer information, including but not limited to complaint levels and summaries, description of specific practices relating to cramming that the Telephone Company has encountered generally, identity of subCICs and or service providers terminated or notified of a need to lower complaints.

(N)
|
(N)

9.1 Recording Service

Recording Service is the recording of the details of a customer message and, when requested by the customer ,the provision of those details to the customer. Recording Service includes recording, assembly and editing, and provision of recorded customer message detail.

Recording is the entering on magnetic tape or other acceptable media the details of customer messages originated through Switched Access Service for which appropriate answer and disconnect supervision has been

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

received. Recording is provided 24 hours a day, 7 days a week.

Assembly and editing is the aggregating of the recorded customer message details to create individual messages and verification to assure that the data required for rating, in accordance with the standard format established by the Telephone Company, is present and accurate. Assembly and editing is performed each work day. Provision of the recorded detail is the forwarding to the customer of magnetic tape or tapes containing the assembled and edited customer message detail or data-transmitting the assembled and edited detail to the customer. Except for lost or damaged records, the recorded detail will be available to the customer not more than five business days after the date all the detail requested by the customer has been processed by the Telephone Company.

Recording is the entering on magnetic tape, in the industry standard Exchange Message Interface ("EMI") format, or other acceptable media, of the details of messages for which appropriate answer and disconnect supervision has been received.

The Telephone Company will provide Recording Service in association with the offering of Switched Access Service served by Telephone Company-provided automatic message accounting equipment. In addition, where the Telephone Company records the customer messages on manual tickets the Telephone Company will provide Recording Service for the manual tickets.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

The Telephone Company will provide Recording Service on an NPA-NXX basis in designated end offices in its operating territory.

The term "Customer Message" used herein denotes a completed call originated by a customer's end user. A customer message begins when answer supervision from the customer premises, indicating that the called party has answered, is received by the Telephone Company recording equipment. A customer message ends when disconnect supervision is received by the Telephone Company's recording equipment from either the customer premises or the customer's end user's premises from which the call originated.

9.1.1 Undertaking of the Telephone Company

- (A) The Telephone Company will record all customer messages carried over Switched Access Service that are available to the Telephone Company provided recording equipment. Unavailable customer messages (i.e., certain Feature Group C, operator and TSPS messages which are not accessible by Telephone Company provided recording equipment operators) will not be recorded. The recording equipment will be provided at locations selected by the Telephone Company.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.1 Undertaking of the Telephone Company (Cont'd)

(A) (Cont'd)

Assembly and editing will be performed on all customer messages recorded during the billing period. Except as set forth in 9.1.1(E) and 9.1.2 following, recorded message detail from previous billing periods will not be regenerated and made available to the customer.

(B) A standard format for the provision of the recorded message detail will be established by the Telephone Company and provided to the customer. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the involved customer's six months in prior of the change.

(C) Name and address information will, when requested by the customer and to the extent the required names and addresses are available in the Telephone Company's customer information data bases, be provided for the recorded customer message detail for Company Code dialed message only.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.1 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

The name and address information for Company Code dialed messages only will be provided with the recorded customer message detail and included on the magnetic tapes containing the recorded customer message detail. The name and address information will be provided in a standard format in accordance with the specifications the Telephone Company will provide. Charges to provide name and address information will be determined on an individual case basis.

- (D) At the request of a customer, magnetic tape(s) containing the recorded message details will be provided to the customer as part of Recording Service. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the magnetic tapes unless specified otherwise by the customer via the U. S. Mail. However, the customer may pick up the magnetic tapes at a location designated by the Telephone Company or request that the detail on the magnetic tapes be data-transmitted to the customer. When the message detail are data-transmitted to a customer location,

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.1 Undertaking of the Telephone Company (Cont'd)

(D) (Cont'd)

the data transmission charge will be determined on an individual case basis.

(E) When the customer message details are data-transmitted to a customer location, the data transmission charges will be determined on an individual case basis. Such a request must be made within 30 days from the date the details were initially made available to the customer. Recorded and Assemble/Edited messages will be retained by the Telephone Company for 90 days.

(F) At the customer's request the Telephone Company may undertake the development of a program and/or project to satisfy a particular customer need. Program/ Project development charges would apply for an undertaking.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.2 Liability of the Telephone Company

- (A) When the Telephone Company determines message detail is not available because the Telephone Company loses or damages tapes or incurs recording system outages, it will estimate the volume of lost messages and associated revenue based on previously known values. This estimated message volume will be included along with the customer message detail provided to the customer and/or provided for Message Processing Service. In such events, the extent of the Telephone Company's liability for damages shall be limited to the granting of a corresponding credit adjustment to the customer amount due to account for the unbillable revenue.
- (B) When the Telephone Company is notified that, due to error or omission, incomplete data has been provided to the customer, the Telephone Company will make every reasonable effort to locate and/or recover the data and to provide new magnetic tapes to the customer at no additional charge. Such request to reassemble the data must be made within 90 days from the date the details were initially made available to the customer. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in (A) preceding.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.2 Liability of the Telephone Company (Cont'd)

- (C) In the absence of willful misconduct, no liability for damages to the customer other person or entity other than that as set forth in (A) and (B) preceding shall attach to the Telephone Company for its action or the conduct of its employees in Recording Service.

9.1.3 Obligations of the Customer

- (A) The customer shall provide specifications in the Customer Order which indicates the specific NPA-NXX and/or class of service. The customer and the Telephone Company shall mutually agree on an implementation date based on the complexity of the customized portion of the specification.
- (B) The customer shall order provision of recorded message detail at least one month prior to the date when it wishes to receive data transmission or magnetic tapes of the recorded message detail. However, the customer may wish to receive magnetic tapes of the recorded detail or have the recorded detail data-transmitted to a customer location at some times and not at others. Any change in the provision of recorded message detail to the customer

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.3 Obligations of the Customer (Cont'd)

(B) (Cont'd)

will be accommodated provided the customer gives two weeks advance written notification to the Telephone Company.

- (C) The customer's terminal location shall provide such signals as may be required for the proper operation of the Telephone Company's automatic message accounting equipment used to perform the recordings.

9.1.4 Payment Arrangements and Audit Provision

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representatives to make an examination and audit, during normal business hours, at reasonable intervals determined by the Telephone Company, of all such records and accounts as may under recognized accounting practices contain information bearing upon the recording of messages for which amounts may be payable to the customer. Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.4 Payment Arrangements and Audit Provision (Cont'd)

statement appears in a letter, signed by the authorized representative of the party having such right and delivered to the other party, expressly waiving such right.

(A) Audit Provision

All information received or reviewed by the customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit nor is information to be used for any other purposes.

(B) Minimum Period

The minimum period for which Recording Service is provided and for which charges apply is six months.

The minimum monthly charges are the charges for customer messages recorded, customer messages assembled and edited (except when Message Processing Service is ordered for the same monthly period), and, when ordered by the customer,

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.4 Payment Arrangements and Audit Provision (Cont'd)

(B) Minimum Period (Cont'd)

provision of customer Message Detail on a magnetic tape or data file.

If the service is canceled or discontinued prior to the customer order expiration date, the minimum monthly charges will be applied to the remainder of the term of the Customer Order. The minimum monthly charge will be computed using the average monthly charge for the most recent months.

(C) Cancellation of a Customer Order

A customer may cancel a Customer Order for Message Billing Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Customer Order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. The service date for Message Billing Service is the date the customer and the Telephone Company mutually agree the service is to

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.1 Recording Service (Cont'd)

9.1.4 Payment Arrangements and Audit Provision (Cont'd)

(C) Cancellation of a Customer Order (Cont'd)

start. When a customer cancels a Customer Order for Message Billing Service after the order date, but prior to the start of service, a charge equal to the program development costs and any nonrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(D) Changes to Customer Orders

When a customer requests changes to a pending Customer Order for Message Billing Service, they will be undertaken if they can be accommodated by the Telephone Company. A charge equal to any costs incurred by the Telephone Company because of the change will apply.

9.2 Rating Service

Rating service is the transforming of the recorded details of calls into rated messages in preparation for billing. Rating service includes initial data entry and rating of messages.

Initial data entry is the assembly of recorded call details into messages. The function includes editing and verification of recorded details to assure that the data required for rating are present.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.2 Rating Service (Cont'd)

Rating of customer messages is the computing of applicable charges for each customer message based on the customer's provided schedule of rates. Rating also includes the preparation of the customer message detail for input to Bill Processing Services, to the customer or to other entities.

Further, rating is always performed and editing may be performed coincident with the implementation of a change in the customer's schedule of rates.

9.3 Bill Processing Service

Bill Processing Service is the preparation of bills for Message-Billed Service and Bulk-Billed Service, mailing of statements of the amounts due for service received from the customer, and the collection of deposits and monies due from the end users. Bill Processing Service includes message-billed (when necessary) and bulk-billed account establishment, posting of rated messages and rate elements, rendering of bills, collection of deposits, receiving payments, maintenance of accounts, treatment of accounts, message investigation and inquiry (when ordered by the customer).

Bulk-billed service is a billing service for an end user account with a dedicated access line (DAL) to the end user premises where individual customer messages are not posted to the account and are not listed on the bill rendered to the end user.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.3 Bill Processing Service (Cont'd)

Message-billed service is a billing service for an end user account with an end user common line where individual customer messages are posted to the account and are listed on the bill rendered to the end user. Message-billed service is also a billing service for a customer credit card end user account without an end user common line or dedicated access line (DAL) where individual messages or groups of messages are posted to the account and listed on the bill rendered to the end user.

Account establishment is the preparation of an end user customer record so that a bill can be sent to that end user. Posting of rated messages is the processing for billing of rated messages. Posting also includes the examination and identification of all the rateable elements required by customer service offerings and the application of appropriate customer rates and charges to the customer service. The rating may be performed by the Telephone Company, another entity or the customer.

Editing and rating of rate elements is performed when customer services are established or changed. Rating is always performed and editing may be performed coincident with the implementation of a change in the customer's schedule of rates.

9.4 Bill Rendering

Rendering of bills is the preparation and mailing of statements of the deposits and amount due from the end user for services received from the customer. These statements may be included as part of the regular monthly

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.4 Bill Rendering (Cont'd)

billed for local Telephone Exchange Service mailed to the end user.

Receiving payment and maintenance of accounts is the receiving of monies from the end users of a customer for services furnished by the customer and maintenance of records of all transactions.

Treatment of accounts is the forwarding of notices of delinquent or unpaid accounts, negotiating of credits and adjustments, and may include denial of the customer's services and/or local Telephone Exchange Services to the end user. Where local Telephone Exchange Service access is denied, access to the service of customer's may also be denied.

Exchange telephone service shall not be disconnected for non-payment of intralata toll, interlata toll, or international toll but is otherwise subject to the conditions set forth above. (N)
(N)

Message investigation is the activity undertaken by the Telephone Company to secure or attempt to secure proper billing information for messages.

9.5 Centralized Message Data System II Sampling (CMDSII)

The Centralized Message Data System (CMDSII) is a data system that processes a 5% sample of toll messages completed over the network. The sample data is normally drawn daily during the message processing operation and is forwarded to the customer.

Procedural requirements include: (1) the selection of a daily sample of messages as early in the message processing operation as feasible; and (2) the entry of Customer data on the sample record that is not available in the message record.

Continued

ACCESS SERVICE

Continued

Advice Letter No. 671

Decision No. 00-03-020

Issued By:
F. Wayne Lafferty

Vice-President Regulatory and Government Affairs

Date Filed: October 26, 2001

Effective: May 1, 2001

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.5 Centralized Message Data System II Sampling (CMDSII) (Cont'd)

The sample size is 5% or a 1/20 ratio of the sample universe. The sample universe consists of all recorded toll telephone calls, including DIAL-IT, MTS, 800 Service, WATS, Overseas, Directory Assistance (excluding 411 Directory Assistance calls) and Official Tariff (whether rated or not).

Excluded from the sample universe are TWX messages, Interstate WATS, 900 Service and local traffic (including Local Directory Assistance, Message Unit, Multi-Message Unit and Interzone U calls). Where local traffic cannot be readily excluded from the universe sample, the message may be sampled and then excluded as "non-applicable", as defined herein.

Duplicate samples are to be avoided. Any message available for sample selection in a prior cycle should be excluded from the current sample universe or considered as a "non-applicable" sample. This includes messages recirculated through the toll system (such as recharge), as well as messages returned under the Toll Fraud Plan, i.e., unbillable, uncollectible and correct as written. Any message which is identified for billing by the Customers should be excluded from the sample.

The messages included in the base are: (1) Sent Paid; (2) Sent Collect; (3) Collects processed in one Accounting office; and (4) Received Collects.

Some records are not in a standard format and are not assigned NPA-NXX codes that facilitate mechanized

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.5 Centralized Message Data System II Sampling (CMDSII) (Cont'd)

processing. To include these messages in the CMDSII database would be impracticable. Such messages, defined as "non-applicable", are therefore excluded from the daily sample sent to the customers.

9.5.1 Special Conditions

The following message types are defined as non-applicable.

(A) Radio Telephone Service

1. Air-Ground
2. Land-mobile, other than dialed

(B) Maritime Mobile (ships and aircraft)

1. VHF and UHF Maritime
2. Coastal Harbor
3. High Seas

(C) Local Messages, Message Unit, Multi-Message Unit and Interzone calls (In cases where exclusion from the sample universe is not possible, these messages are considered non-applicable).

(D) 411 (local) Directory Assistance calls

(E) Messenger charges

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.5 Centralized Message Data System II Sampling (CMDSII) (Cont'd)

9.5.1 Special Conditions (Cont'd)

- (F) Telegram charges
- (G) Recharged messages, Returned (Unbillable, Uncollectible), Correct as Written
- (H) TSP memoranda
- (I) Credit memoranda
- (J) Report charges
- (K) Overseas messages IOC and IOTC collect to an overseas point
- (L) Conference messages
- (M) Duplicate messages (those available for sample in another or prior sample universe)

9.6 Inquiry

Inquiry is the answering of end user questions about charges billed for customer services and application of credits and adjustments to end user accounts and review of customer messages removed from an end user's bill. Inquiry is only available to subscribers of bulk-billed or message-billed Bill Processing Service.

Unauthorized charges that are removed from the end user's bill by the Telephone Company may not be submitted for rebilling by the Customer. If an end user contacts the customer rather than the Telephone Company with a complaint of being charged without authorization, the customer should provide a credit adjustment on the end user's bill and will not resubmit the charge to the Telephone Company for billing of the end user. (N)

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.7 Data Transmission

Where the Telephone Company has rated customer messages which are to be billed to the customer's end user by another Telephone Company, the Telephone Company will enter the customer messages on a magnetic tape which can be used for data transmission of the details. When the customer has so arranged with all involved Telephone Companies, the Telephone Companies will transmit the rated message detail to the other Utilities for billing to end users in their operating territories. When the customer does not have billing arrangements with all Telephone Companies, all such rated customer messages will be delivered to the customer. Associated rates and charges are set forth in Section 20.

9.8 Record Keeping

Record Keeping is the maintenance of master file information for all billing accounts that meet the definition of a Customer.

The Telephone Company shall provide Record Keeping for all categories of information required to maintain the integrity of information pertaining to the customer.

Rated LDS messages are required to provide Record Keeping and shall be used as the input to the master file. If the customer provides the messages, those customer messages must be in industry standard EMI format and delivered to the location specified by the Telephone Company.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.8 Record Keeping (Cont'd)

Customer messages input to Record Keeping that the Telephone Company cannot bill for any reason shall be reviewed by the Telephone Company. Upon completion of the review, the billable messages shall be posted and the appropriate charges shall apply.

The master file shall contain standard information such as, but not limited to:

- (A) Billing telephone number;
- (B) Status of account (e.g., active, final, suspended);
- (C) Effective date of account status;
- (D) Class of service.

The master file shall be structured so that standard billing periods and billing account sequencing can accomplish the billing of revenue in a manner consistent with Independent service measurement criteria.

9.9 Undertaking of the Telephone Company

9.9.1 Message Processing Service

- (A) When Message Processing is ordered by a customer, the Telephone Company will process all of the customer's messages it possesses as set forth in (B) through (I) following at rates and charges set forth in Section 20.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.1 Message Processing Service (Cont'd)

- (B) The Telephone Company will provide Message Processing Service only for customer messages originating or recorded within the operating territory of the Telephone Company. The customer messages which the Telephone Company will process may be customer messages from Recording Service as set forth in 9.1 preceding or, at the direction of the customer, other customer messages which are chargeable in accordance with the rate schedule furnished by the customer. Any sent-paid coin customer messages provided as input by the customer will be processed unless the customer specifies in writing that such customer messages are not to be processed. When such customer messages are processed message processing charges will apply. When such messages are not processed they may not be included in any customer message detail provided to the customer.
- (C) A record of call details is a required input to the provision of Message Processing Service. Where a customer subscribes to Recording Service as set forth in 9.1 preceding, those recorded details may be used as the input. Where the customer provides call details, the records must be in

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.1 Message Processing Service (Cont'd)

(C) (Cont'd)

the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. If the customer-provided records must be converted by the Telephone Company to the standard format, and the Telephone Company agrees to make the conversion, program development charges as set forth in Section 20 following apply for the hours required to design, develop, test and maintain the necessary programs.

(D) The Telephone Company must develop the customer's schedule of rates into a rating program. A program development charge, as set forth in Section 20 following, applies for the hours required to design, develop test and maintain the necessary program.

(E) Upon acceptance by the Telephone Company of a Special Order for Message Processing Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.1 Message Processing Service (Cont'd)

- (F) Changes in the rate levels of customer charges to be billed will normally be implemented within 30 days after receipt of a Special Order from the customer requesting such change. Such changes will require modifications of the rating program. Program development charges, as set forth in Section 20 following, apply for the hours required to design, develop, test and maintain the necessary program changes. If any customer message detail must be reprocessed in order to apply the rate changes, the appropriate message processing charges as set forth in Section 20 following apply for all customer messages reprocessed.
- (G) Changes in the rate structure for customer services to be billed also require a change in the rating program. When the Telephone Company determines it can accommodate the changes, the charges and the period of time to make such changes will be determined on an individual case basis (ICB). Program development charges, as set forth in Section 20 following, apply for the hours required to design, develop and test the necessary program changes.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.1 Message Processing Service (Cont'd)

- (H) Where the rates for customer services have been implemented under an accounting order pending final approval from a regulatory agency, the Telephone Company will keep such records as may be required to make any adjustments to the end users as may be ordered by the regulatory agency.

The Telephone Company will implement such rate changes on the proposed tariff effective date unless notified otherwise by the customer in writing at least 5 business days in advance of the proposed effective date. It is the customer's responsibility to notify the Telephone Company in writing at least 5 business days before the proposed tariff effective date if the proposed tariff effective date has changed.

- (I) If the customer makes a request within 30 days of the date the details were initially made available to the customer, the Telephone Company will make every reasonable effort to reassemble the customer detail and make it available again to the customer, and the charges as set forth in Section 20 will apply for all such

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.1 Message Processing Service (Cont'd)

(I) (Cont'd)

customer detail provided. The charges as set forth in Section 20 will also apply if the details are data-transmitted to the customer.

- (1) Customer Messages which the Telephone Company processes that cannot be rated in accordance with the customer rate schedule will be reviewed by the Telephone Company message investigation groups. Upon completion of the review, rated customer messages will be delivered to the customer when the customer orders such service or to Bill Processing Service when the customer orders such service. Unrated messages will be handled in accordance with instructions that have been mutually determined by the Telephone Company and the customer. The appropriate charges, as set forth in Section 20 will apply.

9.9.2 Bill Processing Service

- (A) When Bill Processing Service is ordered by a customer, the Telephone Company will

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(A) (Cont'd)

establish and maintain customer end user accounts, prepare and render bills for all messages and bulk-billed messages and service rate elements it possesses as set forth in (B) through (O) following at rates and charges as set forth in Section 20. The Telephone Company will not establish an end user account with a customer balance due.

In addition, the Telephone Company will, in accordance with Telephone Company deposit regulations, determine and collect a deposit from the end user for the customer service. The Telephone Company will bill the service deposit when an end user account is established or for established accounts when the first message is posted to the end user account.

The Telephone Company will, when necessary, in accordance with the Telephone Company deposit regulations maintain a service deposit balance for each end user account. Deposits will not be maintained by individual customer accounts but will be maintained for the end user account in general.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(A) (Cont'd)

The Telephone Company will provide the customer a copy of its service deposit regulations upon request from the customer.

(B) The Telephone Company will provide Bill Processing Service only for message billed service, bulk-billed service, and message billed and related rate elements which are to be billed to end users whose customer services are located in the operating territory of the Telephone Company. The Telephone Company will separate the rated messages into a message billed group and a bulk-billed group in order to apply the rate as set forth in Section 20.

(C) Rated customer messages are a required input to the provision of Bill Processing Service. If the customer subscribes to Message Processing Service as set forth in 9.9.1 preceding, the rated customer messages may be used as the input. Where the customer provides the rated customer messages, those customer messages must

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(C) (Cont'd)

be in the standard format established by the Telephone Company. Such customer-provided rated messages must include a means to identify the customer end user account to be billed.

If the customer-provided rated messages must be converted by the Telephone Company to the standard format and the Telephone Company agrees to make the conversion, program development charges as set forth in Section 20 apply for the hours required to design, develop, test and maintain the necessary program. The assembling and editing charge, as set forth in Section 20, applies in addition to all such rated customer messages converted by the Telephone Company. The Telephone Company will provide to the customer the precise details of the required format. If in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change. If the customer requests the

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(C) (Cont'd)

customer-provided messages be reprocessed by the Telephone Company because of a customer error, the Telephone Company will process the customer-provided rated customer messages and appropriate charges as set forth in Section 20 will apply.

(D) For end users in its operating territory where the customer has ordered Bill Processing Service, the Telephone Company will bill all rated messages provided by the customer. The bill format will be determined by the Telephone Company.

(E) Upon acceptance by the Telephone Company of a Customer Order for Bill Processing Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual case basis (ICB).

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(E) (Cont'd)

Program development charges as set forth in Section 20, apply for the hours required to design, develop, test and maintain the necessary programs including any programs to change the rates or change the rate structure of any rate elements of the customer services.

(F) The Telephone Company will provide Bill Processing Service only on the condition that it purchase the accounts receivable from the customer as set forth in 9.13.1 following or the Telephone Company agrees to act as the billing agent for the customer.

(G) The Telephone Company will not provide any information related to Bill Processing Service accounts under this section of the tariff. Bill Processing Services information may be obtained as set forth in 9.14 following.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

- (H) The Telephone Company will, at the option of the customer, provide message-billed Bill Processing Service with and without inquiry and bulk-billed Bill Processing Service with and without inquiry. When the Telephone Company provides Bill Processing Service with inquiry, the Telephone Company will be responsible for contacts and arrangements with the customer's end user concerning the billing, collecting, crediting and adjusting of the customer service charges, except prior customer balances due from end users, in accordance with written instructions previously agreed to by the Telephone Company and the customer. These instructions will be furnished by the customer. When the Telephone Company provides Bill Processing Service without inquiry, all contacts from customer end user concerning the billed amounts will be referred to the customer and the Telephone Company will only be responsible for contacts with customer's end users concerning the collection of customer service deposits and charges, except customer balances due from end users.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(H) (Cont'd)

Inquiries consist of the communications, either written or oral, from the customer's end user to the Telephone Company. Communication requests would include post-billing inquiries such as disputed bill, denial of message(s), explanation of bills; pre-billing inquiries would include credit requests and customer requested recharge. Inquiry, when performed, will be consistent with customer prescribed procedures that are mutually agreed to by the Telephone Company.

(I) The Telephone Company will bill previously unbilled customer charges to the end user, provided the associated service was furnished not more than 3 months preceding the date of the end user's bill, except as follows:

- collect calls,
- credit card calls, or
- third party calls.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(I) (Cont'd)

For the above items, the Telephone Company will bill customer charges to the end user provided the associated service was furnished not more than 5 months preceding the date of the end user's bill.

- (J) Rated customer messages input to Bill Processing Service, which the Telephone Company cannot bill for any reason, will be reviewed by the Telephone Company message investigation groups. Upon completion of the review, the billable messages will be posted and the appropriate charges, as set forth in Section 20 will apply. Unbillable messages will be disposed of in accordance with instructions that are mutually determined by the Telephone Company and the customer.

- (K) The Telephone Company will establish a customer end user account for Message Billed Service when it identifies a message to be billed to a customer end user. The Telephone Company will bill other Message Billed Service charges, such as provision of

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(K) (Cont'd)

a credit card, blocking of third number billing, and subscription charges when it receives an order for such services from a customer. Other message related charges, such as directory assistance and DIAL-IT charges, will be billed to the end user based on the message data received from Recording Service or from the customer.

The Telephone Company will make adjustments to end user balances due to account for application of credits authorized by customer inquiry instructions and customer furnished statements.

- (L) The Telephone Company will apply a Record Keeping charge each month that there is either message activity or the existence of carrier specific indicator associated with a customer's end user account, when Message Billed Service is purchased.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

(L) (Cont'd)

A carrier-specific indicator will be set when the Telephone Company receives an order from the customer to perform activities for a specific end user, such as provisioning of credit card(s), billing for subscription charges, etc., and will remain in effect until the Telephone Company is notified to discontinue the account or service.

The customer, at its option, may specify that once an end user account has had message activity associated with it that an indicator be set so that the customer will be able to obtain billing information in subsequent months when there is no message activity. In the absence of message activity in a given month and no indicator, the customer will not be entitled to the billing information on non-active accounts.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

- (M) The Telephone Company will establish a customer end user account for bulk-billed service when it receives an order from a customer to perform such activity for a specific end user. The Telephone Company will bill other bulk-billed charges, such as provision of a bulk-billed service access line, installation of an access line and provision of an access line extension when it receives an order from a customer to perform such activities for a specific end user. The Telephone Company will make adjustments to end user balances due to account for application of credits authorized by customer inquiry instructions and customer furnished statements. Other message related charges, such as directory assistance and Dial-It charges, will be billed to the end user based on the message data received from Recording Service or from the customer.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.2 Bill Processing Service (Cont'd)

- (N) Where the rates for customer services have been implemented under an account order pending final approval from a regulatory agency, the Telephone Company will, upon written request from the customer, keep such records as may be required to make any adjustments to the end users as may be ordered by the regulatory agency. The charges for such a service will be determined on an individual case basis.
- (O) At the customer's request, the Telephone Company may undertake the development of a project to satisfy a particular customer need. Project development charges would apply for such an undertaking.

9.9.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding. The Telephone Company liability for Message Billing Service is as follows.

- (A) If Bill Processing Service detail is not available because the Telephone Company lost or damaged records or incurred processing system outages, the Telephone Company will attempt to recover the lost customer detail.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.3 Liability of the Telephone Company (Cont'd)

(A) (Cont'd)

If the lost customer detail cannot be recovered and the Telephone Company recorded the details, the customer detail will be as set forth in 9.1.2 (A) preceding. If the lost customer detail cannot be recovered and the customer provided the detail, the customer will be requested to resupply the detail. If the customer cannot resupply the detail, the detail and the extent of the Telephone Company's liability for damages will be as set forth in 9.1.2 (A) preceding. This recovered detail will be included in message detail provided to the customer when the customer orders such service and any recovered customer messages will be billed.

- (B) When the Telephone Company is notified that due to its error or omission incomplete detail has been provided, as set forth in 9.14 following, to a customer, the Telephone Company will make every reasonable effort to reassemble the detail and provide such detail to the customer at no additional charge. Such request to reassemble the details must be made within 30 days from the date the details were initially made available to the customer.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.3 Liability of the Telephone Company (Cont'd)

(B) (Cont'd)

If the detail cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in 9.1.2 (A) preceding.

(C) If the Telephone Company finds an error or is notified of an error in billing to a customer for which it is performing the billing, it will make a reasonable effort to correct the error and bill the customer accordingly, to the limits permitted by laws of the states in which it provides the service. If the error is caused by the Telephone Company and the Telephone Company cannot timely bill the proper end user, the extent of the Telephone Company's liability for damages will be the known amount misbilled, or when the amount misbilled is unknown, limited as set forth in 9.1.2 (A) preceding.

(D) In the absence of willful misconduct, no liability for damages to the customer or other person or entity other than that as set forth in (A), (B) and (C) preceding shall attach to the Telephone Company for its action or the conduct of its employees in providing Message Billing Service.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer

- (A) The customer shall order Message Billing Services using a Customer Order. The customer shall be responsible for all balances due from end users that exist prior to ordering Bill Processing Service. At the time Message Processing Service and/or Bill Processing Service is ordered, the customer shall order the service for 1, 3, or 5 years. Thereafter, upon six months' written notice, service may be extended for 1, 3 or 5 years. Not later than six months prior to the end of an order period, the customer shall notify the Telephone Company in writing if the service is to be discontinued at the end of the period. If no notice is received from the customer, the Telephone Company shall automatically extend the service for another year, using the most recent 12 months of capacity provided. The customer will be notified by the Telephone Company when such an extension is made. All appropriate charges, as set forth in Section 20, for another year will apply and the minimum charges will be based on the most recent 12 months of message capacity and/or bill capacity provided.
- (B) When Message Billing Service is ordered, the customer and the Telephone Company

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

(B) (Cont'd)

shall mutually agree upon an estimate of the number of messages (message capacity), including those messages which will be bulk-billed, to be processed for each yearly period ordered. In addition, when Bill Processing Service is ordered, the customer and the Telephone Company shall mutually agree upon, for each year in the order, an estimate of the number of message-billed and or bulk-billed messages (bill capacity) for which billing is to be provided. Separate estimates shall be derived for message billed messages and bulk-billed messages.

If the Customer has purchased Message Billing Service, the estimate of message capacity may be revised quarterly from the date the service is ordered. The quarterly revision will be submitted in writing by the Customer at least two weeks before the new quarter begins. The last quarterly revision will serve as the basis for assessing annual capacities and penalties, if applicable.

Quarterly revisions will only be allowed for Message Billing Service for Customer Orders

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

(B) (Cont'd)

effective during 1986. The Telephone Company reserves the right to re-evaluate this policy after allocation has been completed.

(C) The customer shall furnish all billing information necessary for the Telephone Company to provide the Message Billing Service, including any per-month service charges applicable to an end user and an affidavit that states whether the customer service is subject to any Federal and/or State Taxes. When customer messages are to be billed by an entity other than the Telephone Company, the customer shall furnish written instructions as to how the rated messages are to be provided to that entity. If the customer does not furnish complete instructions all resulting unbillable messages will be returned to the customer. The information shall be furnished by the customer in a timely manner.

(D) The customer shall furnish, to the Telephone Company, a written schedule of its service rates and charges in sufficient time to allow the Telephone Company to establish a rating program. The customer's

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

(D) (Cont'd)

rate structure must be consistent with established Telephone Company rating methodologies. The interval required to establish a rating program must be mutually agreeable to the Telephone Company and the customer.

(E) The customer shall notify the Telephone Company in writing of all tariffed rate or rate structure changes at least 5 business days in advance of the proposed effective date of such change. It is the customer's responsibility to notify the Telephone Company in writing at least 5 business days before the proposed tariff effective date if the proposed tariff effective date has changed.

(F) When the customer orders Message Billing Service, it shall authorize the Telephone Company in writing to deny service to end users for nonpayment. If the authorization is not received, Message Billing Service will not be provided.

(G) The customer shall be responsible for all contacts and arrangements, including customer deposits and prior balances due

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

(G) (Cont'd)

from end users, with its end users concerning the provision and maintenance of the customer's service.

- (H) When the customer orders message billed or bulk-billed Bill Processing Service with inquiry, the customer shall furnish to the Telephone Company written instructions which must be agreed to by the Telephone Company for the handling of end user questions about bills. When the customer orders Bill Processing Service for message or bulk billing without inquiry, the customer shall furnish to the Telephone Company the location where inquiries are to be referred. The customer shall notify its end users through its tariff or other appropriate means when the customer handles all bill inquiries. The customer shall furnish the Telephone Company all bill adjustments in writing as set forth in 9.13.1 following.

When the customer furnishes recorded detail for Message Processing Service and/or rated message detail for Billing Processing Service, it shall retain a copy of the detail furnished for a minimum period of 90 days.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

- (I) The customer agrees to permit the Telephone Company to, when necessary in accordance with Telephone Company deposit regulations, determine and collect customer service deposits from all end users of the customer's services for which the Telephone Company provides billing for the customer.

The customer will notify its end users through its tariffs or other means that the Telephone Company will, when necessary, in accordance with Telephone Company deposit regulations, determine and collect customer service deposits. The customer will also include in its tariff and service arrangement and obtain regulatory concurrence for the Telephone Company deposit regulations that the Telephone Company will use to determine and collect end user service deposits.

- (J) The customer will immediately redeem all customer gift certificates the Telephone Company receives in payment for any end user charges. The customer agrees to use a gift certificate format which is agreeable to the Telephone Company. The customer agrees that the customer gift certificates will be applied to the total balance due the Telephone Company.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.9 Undertaking of the Telephone Company (Cont'd)

9.9.4 Obligations of the Customer (Cont'd)

- (K) When the customer furnishes recorded customer detail for Message Processing Service and/or rated customer message detail for Bill Processing Service, it shall be responsible to deliver the detail to the location specified by the Telephone Company and it shall retain a copy of the detail furnished for at least 90 days.
- (L) The customer will provide rated customer messages to the Telephone Company to bill in accordance with 9.9.2 (I) preceding.

9.10 Payment Arrangements and Audit Provision

9.10.1 Audit Provision

Upon written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representatives to make an examination and audit, during normal business hours, at reasonable intervals determined by the Telephone Company, of all such records and accounts as may under recognized accounting practices contain information bearing upon the amount payable to it. Prompt adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.10 Payment Arrangements and Audit Provision (Cont'd)

9.10.1 Audit Provision (Cont'd)

nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement appears in a letter signed by the authorized representative of the party having such right and delivered to the other party, expressly waiving such right.

Any information received or accessed by the customer's or its authorized representative is to be considered confidential and not to be distributed or provided to any other party or individual not involved in the auditing or to be used for any other purpose than auditing of the Telephone Company records.

9.10.2 Minimum Period

The minimum period for which Message Billing Service is provided and for which charges apply is one year. If the service is discontinued prior to the end of the period ordered, monthly charges apply for each remaining month and fraction of month. Six months written notice is required for termination of billing and collection services.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.10 Payment Arrangements and Audit Provision (Cont'd)

9.10.3 Minimum Order Capacities and Minimum Yearly Charges

Message Billing Service is subject to minimum order quantities and charges. The minimum order quantities are the message capacity and bill capacity as specified below.

- (A) The minimum order capacity shall be established at the beginning of the ordering period. The Telephone Company and the customer shall mutually agree upon a reasonable quantity of messages to be billed for the term of the order. The Telephone Company reserves the right to validate said quantities using historical billing volumes, switched access minutes of use or any other mechanism as may be deemed appropriate by the Telephone Company.
- (B) For Message Processing Service, the minimum charge is the product of the message capacity as set forth in (A) preceding and the appropriate Message Processing Services rates set forth in Section 20 following.

For Bill Processing Service, the minimum charge is the product of the message-billed capacity as set forth in (A) preceding and the appropriate Bill Processing Service message-billed rate, as set forth in Section 20 following.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.11 Rate Regulations

- (A) Message Processing and Bill Processing Service message charges apply during the yearly periods ordered by the customer. The Telephone Company will not initiate rate changes to the message charges that apply to the customer during yearly periods ordered by the customer. For the purpose of determining the charges applicable to messages and/or Bulk-Billed messages for Bill Processing Service the charge is for each message detail processed for entry on the bill.

For the purpose of determining the charges applicable to other entries placed on the bill to meet the customer rate structure or other needs (i.e., subscription charges, credit card charges, etc.), the entries will be considered to be a message. An entry is one line of printed information on the bill.

- (B) When more than one copy of the end user bill is provided to the end user, the Message-Billed Service charges applies for each additional copy of the end user bill provided.
- (C) When message detail is data-transmitted to a customer location by the Telephone Company or from a customer location to the Telephone Company a charge on a per record basis will apply. A record is a logical grouping of information as described in the program that processes the information and loads the magnetic tape used to supply the message detail which is data-transmitted. The Telephone Company will determine this charge based on its count of records transmitted.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.11 Rate Regulations (Cont'd)

- (D) The end user account activity charges apply whenever an end user account is established or changed pursuant to a Special Order from a customer and/or whenever a balance due (whenever Inquiry is handled by the customer), nonrecurring or recurring customer rate element is added or changed in the account. The Record Keeping charge applies for each month the end user account is established.

An end user account is a record for message-billed service or a bulk-billed service that has been designated at the request of the customer which has a unique name and address and billing identification number, assigned by the Telephone Company to which a bill is rendered.

The end user account establishment and changes charge or the end user account rate element rate structure change charge may apply depending on the activity ordered by the customer as set forth in (1), (2), (3) and (4) following.

The rates and charges as set forth in this section apply to both intrastate jurisdictions and will be apportioned to the appropriate jurisdiction.

- (1) The end user account establishment and change charge applies whenever customer furnished information is used by the Telephone Company to establish or change end user account data or rate elements, or balance due, except for information to change end user account rate element rate levels or rate structure.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.11 Rate Regulations (Cont'd)

(D) (Cont'd)

(1) (Cont'd)

This rate element applies to service order account data provided via magnetic tape in a format specified by the Telephone Company. End user account rate element rate level and rate structure change charges are applied as set forth in (3) and (4) following.

(2) The end user account establishment and change charge applies whenever the customer furnishes to the Telephone Company end user account information that establishes or changes the information, rates or balance due associated with an end user account in a format other than that specified in (1) preceding that would require the Telephone Company to manually write and/or type and process the service order account data and will be determined on an individual case basis.

(3) The end user account rate element rate level change charge applies whenever customer furnished information is used by the Telephone Company to change an end user account rate element rate level. The charge applies for each end user account rate element rate level changed and will be determined on an individual case basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.11 Rate Regulations (Cont'd)

(D) (Cont'd)

(4) The end user account rate structure change charge applies whenever customer furnished information is used by the Telephone Company to change an end user account rate element rate structure. The charges to make the end user account rate element rate structure changes will be determined on an individual case basis.

(E) When message detail is entered on a magnetic tape to be provided to a customer, the per tape charge applies for each tape prepared and the per record charge applies for each record processed. The Telephone Company will determine the charges based on the number of data tapes created and on its count of the records entered on the tape. The number or records processed will be determined using the number of records input to or the number of records output from the programs that process the information and load the magnetic tapes whichever number of records is higher.

(F) Different rates apply for Bill Processing Service for Message Billed Service depending on the number of messages billed to an end user account per month. The rates groups are 1 to 10 messages per month, 11 to 100 messages per month, 101 to 600 messages per month and over 600 messages per month. The rate for the largest number of customer messages

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.11 Rate Regulations (Cont'd)

(F) (Cont'd)

billed for the end user account in a month will be used to determine the Bill Processing Service charges for that end user account for the month. The Telephone Company will determine the charges based on its counts or messages billed each bill day to an end user account.

(G) The basic per hour rate and the premium per hour rate for program development and project development is for the use of one Telephone Company programmer's time.

(H) The Telephone Company will keep a count of the hours and fraction thereof used by Telephone Company personnel to provide program development and project development and will bill the customer in accordance with these records. The hours for each service ordered will be summed and then rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.

(I) If there are messages billed for intrastate and interstate jurisdictions on one end user account, the Record Keeping Charge will be prorated by actual message usage.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service

The Telephone Company will provide Special Access Billing Service only for those customer Special Access services for which the Telephone Company is providing Special Access Service. The Telephone Company will not render bills for customer Special Access services for which it does not provide Special Access Service that are connected at end user premises to customer Special Access services for which it does render bills.

The Telephone Company will not render bills for usage- based rate elements under this section of the tariff. Usage-based rate elements will be billed as set forth in Section 20 following.

(A) General Description

Special Access Billing Service includes editing and rating, account establishment, rendering of bills, receiving payments, maintenance of accounts and treatment of accounts and inquiry (when ordered by the customer).

Editing and rating is the examination and identification of all the rateable elements of a customer Special Access service and the application of the appropriate customer rates and charges to the service. These functions are performed when Special Access services for a customer's end user are established or changed. In addition, rating is always performed and editing may be performed coincident with the implementation of a change in the customer's schedule of rates.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(A) General Description (Cont'd)

Account establishment is the preparation of a customer end user record so that a bill can be sent to that end user.

Rendering of bills is the preparation and mailing of statements of the amounts due for service received from the customer and the collection of the monies due from the customer's end users.

Receiving payment and maintenance of accounts is the collecting of deposit monies from end users of a customer for services furnished by the customer and maintenance of records of all transactions. Treatment of accounts is the forwarding of notices of delinquent or unpaid accounts, negotiating credits and adjustments, and may include denial of the customer's Special Access Service.

Inquiry is the answering of end user questions about charges for customer services, negotiating credits and adjustments to end user accounts, and reviews of customer charges.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company

- (1) When Special Access Billing Service is ordered by a customer, the Telephone Company will establish a Special Access Account, edit the billing detail, rate the billing detail, bill the customer and maintain and treat the Special Access Account based on the rate and customer data supplied by the customer at the rates and charges set forth in Section 20. The Telephone Company will not establish a Special Access end user account with any customer balance due. In addition, the Telephone Company will, in accordance with Telephone Company deposit regulations, determine and collect a deposit from the end user for the customer service. The Telephone Company will, when necessary in accordance with Telephone Company deposit regulations, determine and collect the service deposit when an end user account is established. The Telephone Company will, when necessary, in accordance with Telephone Company deposit regulations, maintain a service deposit for each end user account. The Telephone Company will provide the customer a copy of its deposit regulations upon request from the customer.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company (Cont'd)

(1) (Cont'd)

The Telephone Company will make adjustments to end user balances due to account for application of credits authorized by customer furnished statements.

- (2) Special Access Billing Service provided by the Telephone Company shall follow a specific format so that the Telephone Company can identify and bill the rateable elements and determine which account is to be billed. The Telephone Company will establish this format and provide it to the customer. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the involved customer six months in advance of the change.

- (3) The Telephone Company will develop the customer's schedule of rates and charges into a rating program. A program development charge, as set forth in Section 20 following, applies for the hours required to design, develop, test and maintain the rating program.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company (Cont'd)

- (4) Upon acceptance by the Telephone Company of a Special Order for Special Access Billing Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (5) Changes in the rate levels of customer services to be billed will normally be implemented within 60 days after receipt of a Special Order from the customer requesting such changes. Such changes will require modifications of the rating program. The program development charge, set forth in Section 20, will apply for the hours required to implement the necessary program changes.
- (6) Changes in the rate structure of the customer services to be billed also require a change in the rating program. When the Telephone Company determines it can accommodate the changes, the charges and the period of time to make such changes will be determined on an individual case basis. Program development charges, as set forth in Section 20 apply for the hours required to design, develop, test and maintain the necessary program changes.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company (Cont'd)

- (7) The Telephone Company will not provide any information related to Special Access Billing Service accounts under this section of the tariff. Special Access Billing Service information may be obtained as set forth in 9.14 following.
- (8) The Telephone Company will, at the option of the customer, provide Special Access Billing with and without inquiry. When the Telephone Company provides Special Access Billing with inquiry the Telephone Company shall be responsible for contacts and arrangements with the customer's end users concerning the billing, crediting and adjusting, collecting of the customer service charges, except prior customer balances due from end users, in accordance with written instructions furnished by the customer. When the Telephone Company provides Special Access Billing without inquiry all contacts from customer end users concerning the billed amounts will be referred to the customer and the Telephone Company will be responsible for contacts with customer's end users concerning the collection of customer service charges except customer deposits and prior customer balances due from end users. Inquiry will only be provided for those end user accounts for which the customer has ordered Special Access Billing.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company (Cont'd)

- (9) When the Telephone Company encounters bills which are to be rendered to end users or end users addresses not located in the Telephone Company operating territory, or in a State where Special Access Billing service has not been ordered, such bills will be handled as follows:
- (A) If the bill to the end user is for a service for which the Telephone Company provides a Special Access Service to the customer and the customer has ordered the appropriate Special Access Billing Service, the Telephone Company will bill the end user.
- (B) In all other situations, the bill will be returned to the customer and the customer shall be responsible to furnish a revenue adjustment to the Telephone Company as set forth in 9.13.1 following.
- (10) Where the rates for customer services have been implemented under an accounting order pending final approval from a regulatory agency, the Telephone Company will, upon written request from the customer, keep such records as may be required to make any adjustment to the end users as may be ordered by the regulatory agency. The charges for such a service will be determined on an individual case basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(B) Undertaking of the Telephone Company (Cont'd)

- (11) At the customer's request the Telephone Company may undertake the development of a program/project to satisfy a particular customer need. Program development charges would apply for such an undertaking. At the customer's request the Telephone Company may undertake the development of a project to satisfy a particular customer need. Project development charges would apply for such an undertaking.

(C) Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, the Telephone Company liability for Special Access Billing Service is as follows:

- (1) If Special Access Billing detail is not available because the Telephone Company lost or damaged records or incurred processing system outages, the Telephone Company will recover the lost detail based on previously received information. This recovered detail will be provided to the customer if the customer has ordered the appropriate Billing Information Service as set forth in 9.14 following. If the data cannot be recovered, the extent of the Telephone Company's liability for damages will be the known amount not billed or when the amount not billed is unknown, no more than 3 months charges for the services not billed.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(C) Liability of the Telephone Company (Cont'd)

- (2) When the Telephone Company is notified due to its error or omission that incomplete detail have been provided to the customer, the Telephone Company will make a reasonable effort to reassemble the detail and provide such information to the customer at no additional charge to the customer. Such request to reassemble the detail must be made within 30 days from the date the details were initially made available to the customer.

If the data cannot be recovered, the extent of the Telephone Company's liability for damages will be the known amount not billed or when the amount not billed is unknown, no more than 3 months' charges for the services not billed.

- (3) If the Telephone Company finds or is notified of an error in billing to an end user, it will make a reasonable effort to correct the error and bill the appropriate end user within the limits permitted by laws of the states in which it provides the service. If the error is caused by the Telephone Company and the Telephone Company cannot timely bill the proper end user, the extent of the Telephone Company's liability for damages will be the known amount misbilled or when the amount misbilled is unknown no more than 3 months' charges for the services is billed.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(C) Liability of the Telephone Company (Cont'd)

- (4) In the absence of willful misconduct, no liability for damages to the customer or other person other than that as set forth in (1), (2) and (3) preceding shall attach to the Telephone Company for its action or the conduct of its employees in providing Special Access Billing Service.

(D) Obligations of the IC

(1) Ordering Requirements

The customer shall order Special Access Billing Service using a Special Order. When Special Access Billing Service is ordered initially, the customer shall order the service for at least one year. Thereafter, upon six months written notice, additional service may be ordered for a minimum of one year and the rates and charges as set forth in Section 20 will apply. Not later than six months prior to the end of an order period, the customer shall notify the Telephone Company in writing if service is to be discontinued at the end of the period. If no notice is received from the customer, the Telephone Company will automatically extend the service for an additional year, using the most recent 12 months of bill

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(D) Obligations of the IC (Cont'd)

(1) Ordering Requirements (Cont'd)

capacity provided. All appropriate rates and charges as set forth in Section 20 for another year will apply and the minimum charges will be based on the most recent 12 months of bill capacity provided. The customer will be notified by the Telephone Company when such an extension is made.

(2) When Special Access Billing Service is ordered the customer shall furnish the Telephone Company for each year in the order an estimate of the average number of bills (bill capacity) to be rendered monthly each year.

(3) The customer shall furnish all billing information necessary for the Telephone Company to provide the Special Access Billing Service including an affidavit that states whether the customer Special Access Service is subject to any Federal taxes and or State taxes. When customer bills are to be sent to end users not in the operating territory of the Telephone Company, the customer shall furnish an address where the bills are to be sent. If the customer does not furnish an address, all undesignated bills will be returned to the customer. The information shall be furnished by the customer in a timely manner.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(D) Obligations of the IC (Cont'd)

- (4) The customer shall furnish to the Telephone Company a written schedule of its service rates and charges in sufficient time to allow the Telephone Company to establish a rating program. The interval required to establish a rating program must be mutually agreed to by the Telephone Company and the customer.
- (5) When the customer orders Special Access Billing Service, it shall authorize the Telephone Company in writing to deny service to the end user for nonpayment of monies due. If the authorization is not received, Special Access Billing Service will not be provided.
- (6) The customer shall be responsible for all contacts and arrangements, including prior customer balances due from end users, with its end users concerning the provision and maintenance of the customer's services to its end users.
- (7) When the customer orders Special Access Billing Service with inquiry, the customer shall furnish to the Telephone Company written instructions for the handling of customer end user questions about bills.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(D) Obligations of the IC (Cont'd)

(7) (Cont'd)

When the customer orders Special Access Billing Service without inquiry, the customer shall furnish to the Telephone Company the location where inquiries are to be referred. When the customer does not order Telephone Company Inquiry Service and desires credit adjustments be made to the balances due from an end user, the customer shall furnish a statement for each end user account where the credit is desired. These Statements shall show the rate element to be credited, the date the rate element was billed and the amount of the credit. The customer shall notify its end users that the customer handles all bill inquiries. The customer shall furnish the Telephone Company all bill adjustments in writing as set forth in 9.13.1 following.

- (8) The customer agrees to permit the Telephone Company to, when necessary, in accordance with Telephone Company deposit regulations, determine and collect customer service deposits from all end users of the customer's services for which the Telephone Company provides billing for the customer. The customer will notify its end users through its tariff or other means that the Telephone Company will, when necessary in accordance with Telephone Company deposit

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(D) Obligations of the IC (Cont'd)

(8) (Cont'd)

regulations, determine and collect customer service deposits. The customer will also include in its tariff and service arrangements and obtain regulatory concurrence for the Telephone Company deposit regulations that the Telephone Company will use to collect end user deposits.

(E) Payment Arrangements and Audit Provisions

(1) Audit Provision

Upon reasonable notice by the customer or its representative to the Telephone Company, the customer shall have the right through its authorized representatives to make an examination and audit, during normal business hours, at reasonable intervals determined by the Telephone Company, of all such records and accounts as may under recognized accounting practices contain information bearing upon the amount payable to it. Prompt adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise,

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(E) Payment Arrangements and Audit Provisions (Cont'd)

(1) Audit Provision (Cont'd)

unless such statement appears in a letter, signed by the party having such right and delivered to the other party, expressly waiving such right. Any information received or reviewed by the customer or its authorized representative is to be considered confidential and not to be distributed, provided or disclosed in any form to any other party or individual not involved in the auditing or to be used for any other purpose than auditing of the Telephone Company records.

(2) Minimum Periods

The minimum period for which Special Access Billing Service is provided, and for which charges apply, is one year. A minimum period of one year applies for each additional period of service ordered. When service is discontinued prior to the expiration of a minimum period, the minimum monthly charge is applicable for each month and fraction of month remaining in the minimum period.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(E) Payment Arrangements and Audit Provisions (Cont'd)

(3) Minimum Monthly Charges

- (a) During the initial year minimum period, there is a minimum monthly charge based on the customer's estimate of the number of bills to be rendered during that period. The minimum monthly charge is the charge for Bill Rendering, as set forth in Section 20 following. The monthly volume is (1/12) of the bill capacity ordered during the initial year.
- (b) During each additional yearly minimum period, the minimum monthly charge is the charge for Bill Rendering, as set forth in Section 20 following, for the monthly average of the actual volume of bills rendered during the previous 12 months.

(4) Cancellation of Application

A customer may cancel a Special Order for Special Access Billing Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Special Order is to be canceled. The verbal notice must be followed by written confirmation within 10

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(E) Payment Arrangements and Audit Provisions (Cont'd)

(4) Cancellation of Application (Cont'd)

days. The service date for Special Access Billing Service is the date that the customer and the Telephone Company mutually agree service is to start. When a customer cancels a Special Order for Special Access Billing Service after the date the Telephone Company is scheduled to complete entering the initial order details into its order distribution system but prior to the start of service, a charge equal to the program development costs and any unrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(5) Changes to Orders

When a customer requests changes to a pending or existing order for Special Access Billing Service, such changes will be undertaken if they can be accommodated by the Telephone Company. A charge equal to any costs incurred by the Telephone Company because of the change will apply.

(F) Rate Regulations

- (1) The end user account establishment and change charge applies whenever customer furnished information is used by the Telephone Company

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(F) Rate Regulations (Cont'd)

(1) (Cont'd)

to establish or change end user account data or rate elements, or balance due, except for information to change end user account rate element rate levels or rate structure. This rate element applies to service order account data provided via magnetic tape in a format specified by the Telephone Company. End user account rate element rate level and rate structure change charges are applied as set forth in (c) and (d) following.

- (a) The end user account establishment and change charge applies for each account established, rate element established, account changed and rate element changed and balance due changed.
- (b) The end user account establishment and change charge applies whenever the customer furnishes to the Telephone Company end user account information that establishes or changes the information or rates or balance due associated with an end user account, in a format other than that specified in (a) preceding that would require the Telephone Company to manually write and/or type and process the Service Order account data and will be determined on an individual case basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(F) Rate Regulations (Cont'd)

(1) (Cont'd)

(c) The end user account rate element rate level change charge applies whenever customer furnished information is used by the Telephone Company to change an end user account rate element rate level. The charge applies for each end user account rate element rate level changed and will be determined on an individual case basis.

(d) The end user account rate structure change charge applies whenever customer furnished information is used by the Telephone Company to change an end user account rate element rate structure. The charges to make the end user account rate element rate structure changes will be determined on an individual case basis.

(2) The bill rendering charge applies each month that one or more charges is billed by the issuing of a statement to a customer end user account. An end user account is a Special Access Billing Service for an end user which has a unique address to which a bill is rendered. When both Interstate and Intrastate Special Access service charges are billed by the Telephone Company to the customer end user on the same bill for the IC the bill rendering charge times 0.5 applies.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.12 Special Access Billing Service (Cont'd)

(F) Rates Regulations (Cont'd)

- (3) The basic per hour rate and the premium per hour rate for program/project development is for the use of one hour of one Telephone Company programmer's time.
- (4) The Telephone Company will keep a count of the hours and fraction thereof used by Telephone Company personnel to provide program/project development and will bill the customer in accordance with these records. The hours for each order will be summed and then rounded to the nearest hour, except that when the total is less than an hour, one hour will be used to determine the charges.

9.13 Billing Service

9.13.1 Purchase of Accounts Receivable

The Telephone Company will, unless the Telephone Company agrees to act as billing agent for the customer, purchase from the customer its accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users. The purchase of accounts receivable will be limited to amounts due the customer when the Telephone Company provides Bill Processing Service and/or Special Access Billing Service for that customer. After a customer

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

orders Bill Processing Service and/or Special Access Billing Service and the Telephone Company is purchasing the customer's accounts receivable, the customer is prohibited from assigning, transferring, selling, exchanging or giving these accounts receivable to any other entity or person. The customer will provide a written assurance to the Telephone Company as to such forbearance and any such assignment, transfer, sale, exchange or gift is null and void and will subject the customer to all liabilities, expenses, and costs including attorney fees expended and incurred by the Telephone Company in pursuing exclusive ownership to the accounts receivable. The customer will provide to the Telephone Company all information and documentation necessary to the Telephone Company's creation and perfection of a security interest in such accounts. Determination of the amounts due the customer for the purchase of its accounts receivable will be as follows, per end user bill date period:

(A) Total Current Amount Billed

The Telephone Company for each end user bill date period will determine from its records the total current amount billed to the customer's end users for customer services, including all taxes applicable to such services. The end user bill date period will

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(A) Total Current Amount Billed (Cont'd)

will be established by the Telephone Company. A total current amount billed will be determined for each customer for each end user bill date period.

(B) Adjustments

For each end user bill date period, the Telephone Company will make adjustments to the total current amount billed. Adjustments are customer credits or debits to customer end user accounts for services billed in end user bill date bill periods made by the Telephone Company, customer credits and debits to end user accounts received from the customer, credits and debits for lost or damaged customer message detail determined as set forth in 9.1.2 preceding or otherwise unbillable message detail.

When the customer obtains Bill Processing Service and/or Special Access Billing Service with inquiry, adjustments to end user accounts will be determined and documented by the Telephone Company in accordance with written instructions provided by the customer. When the

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(B) Adjustments (Cont'd)

Telephone Company provides Billing Processing Service and/or Special Access Billing Service without inquiry, the IC shall determine and document adjustments to end user accounts.

(C) Amount for Uncollectibles

For each end user bill date period, the Telephone Company will subtract from the total current amount billed an amount for uncollectibles. Uncollectibles are amounts billed by the Telephone Company to end users for customer services that are unpaid and have been debited to final uncollectibles. The amount for uncollectibles for each customer will be determined by the Telephone Company for the customer for each end user bill date period.

At agreed upon intervals, not to be less than one month, using the most currently available data, the Telephone Company will determine the total amount of uncollectibles experienced for all end user services. This total amount of uncollectibles will be apportioned to each customer based on a study of uncollectible accounts. The

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(C) Amount for Uncollectibles (Cont'd)

Telephone Company will determine the dates for the quarterly studies.

The Customer percent uncollectible will be the basis for determining the rate to be charged during the coming period. When a customer orders Bill Processing Service and/or Special Access Billing Service, the customer at the time such services are ordered shall provide to the Telephone Company a history of its uncollectibles.

This history of uncollectibles shall include the most recent twelve months data and shall indicate by month its total amounts billed and its uncollectible amounts. The Telephone Company will use these data to develop the percent uncollectibles for the customer. To the extent that such customer data do not exist, then the percent uncollectibles for the customer will be determined on an individual case basis. The percent uncollectible developed either from customer history or on an individual case basis will be used as described above to provide the basis for determining the uncollectible percent for the billing period.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(C) Amount for Uncollectibles (Cont'd)

Within nine months from the start of Bill Processing Service and/or Special Access Billing Service, the Telephone Company will replace the percent uncollectibles developed either from customer history or on an individual case basis with a percent uncollectibles as developed in the statistical study described above.

(D) Amount for Cash Float

For each end user bill period, the Telephone Company will subtract from the total current amount billed an amount for cash float. Cash float is defined as the value of monies due the Telephone Company during the interval between the rendering of bills to the customer's end users and the availability of the funds submitted in payment for such bills. The cash float adjustment factor will be based upon the payment interval settlement data and cost of working capital or an amount to be mutually agreed upon between the Telephone Company and the customer.

The deduction for cash float will be determined monthly by multiplying the total

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(D) Amount for Cash Float (Cont'd)

current amount billed by the cash float adjustment factor as quoted by the Telephone Company.

(E) Amounts Due the Telephone Company

The Telephone Company will determine the amounts due from the customer for services it obtains for Special Construction as shown in Section 14 following for the netting period. For each netting period, the Telephone Company will subtract from the total current amount billed the amounts due the Telephone Company.

(F) Amounts Due the Customer

For each end user bill period, the Telephone Company will determine the amounts due to the customer for the purchase of accounts receivable. The amounts due will be determined by totaling (A) through (E) above. The net amount will be transferred to the appropriate party on a date which is mutually set by the Telephone Company and customer.

(G) In collecting the amounts assigned to the Telephone Company under 9.13.1 or when

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.1 Purchase of Accounts Receivable (Cont'd)

(G) (Cont'd)

serving as a billing agent under 9.13.2, the Telephone Company shall be entitled to discontinue and restore telephone service to customer's end users consistent with the provisions of Rule 11, Schedule Cal. P.U.C. No. A2.1. For such purposes, the words "Toll Service" in Rule 11, A2, shall include all end to end message telephone service offered by customer's to end users.

9.13.2 Billing Arrangements When the Telephone Company Acts as Billing Agent for the Customer

When the Telephone Company agrees to act as billing agent for the customer, the billing service, payment arrangements and ownership of the accounts receivable will be as follows:

- (A) The billing services, including the collection from end users of monies for the customer accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users, provided by the Telephone Company will be as set forth in 9.3 and 9.12 preceding.
- (B) For the customer accounts receivable that arise from bills rendered by the Telephone

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.2 Billing Arrangements When the Telephone Company Acts as Billing Agent for the Customer (Cont'd)

(B) (Cont'd)

Company to that customer's end users, the total Current Amount Billed and the Resource Adjustments will be determined as set forth in 9.13.1 preceding. The payment of the net monies due the customer will be handled as set forth in 9.13.1 preceding.

- (C) The ownership of the customer accounts receivable will not be transferred by the customer to the Telephone Company. When the customer discontinues Billing Service provided under this tariff where the Telephone Company is acting as billing agent for the customer, the Telephone Company will determine and make a final payment to the customer as set forth in (B) preceding. This final payment shall be considered to be all of the remaining monies due the customer for the bills rendered to the customer's end users by the Telephone Company. When the Telephone Company discontinues billing the customer's end users for customer services, any deposits for customer services will be returned to the appropriate end user in accordance with Telephone Company's final billing procedures.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.3 Taxes Billed to Customer End Users, for which Customer is Responsible

The Telephone Company will, in conjunction with bill processing service, bill the applicable taxes to the customer's end users. The Telephone Company will not make any determination as to the taxability of any charge billed for a customer to a customer's end user. It will be the responsibility of the customer to determine the taxability of each of its charges and so notify the Telephone Company. The Telephone Company will provide to the customer the precise details of the required format.

Some customer end users are exempt from taxes on communication services. The tax exempt status of the end user will be established by the Telephone Company in conformance with applicable tax laws. Information regarding end user tax exempt status shall remain the exclusive property of the Telephone Company.

Any communications from a customer's end user relating to taxes will be the responsibility of the customer. All determinations as to the removal, addition or adjustment of taxes billed to a customer's end user will be the responsibility of the customer.

All communications with taxing authorities regarding taxes applicable to customer charges will be the responsibility of the customer. Except

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.13 Billing Service (Cont'd)

9.13.3 Taxes Billed to Customer End Users, for which Customer is Responsible (Cont'd)

as provided under separate agreement and based on ICB rates, the Telephone Company will not provide any other tax or tax-related services to the customer.

9.14 Billing Information Service

At the request of a customer the Telephone Company will provide billing information to the customer from its customer records, billing files and account data base as part of the Telephone Company Billing Information Service.

9.14.1 General Description

Billing Information Services is the provision of Billing Support Information to the customer from the Telephone Company record systems labeled as Customer Records Information System (CRIS). such data will be limited to the provision of information to the customer relating exclusively to services provided by that customer to its end users.

With the exception of Universal Line Level Maintenance (ULLM) data, as described in 9.14.2 following, information indicating Primary Interexchange Carrier (PIC) Code, other than that of the customer ordering the service, will not be furnished.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.1 General Description (Cont'd)

Information is defined as any entry in the records, data base or bureau listings which is not marked as proprietary to the Telephone Company. Any entry designated as proprietary to the Telephone Company will not be provided.

(A) Billing Support Information consists of the following:

- (1) Message detail for a customer's end user,
- (2) Account detail, including billing name and address, for a customer's end user,
- (3) Service and equipment detail associated with the customer's end user service,
- (4) Name and town information associated with a telephone number required by the customer to authorize a call, to bill a call, or to handle an emergency. This type of data is available through the Customer Name and Locality bureau.
- (5) Non-proprietary data for marketing or analytical purposes.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.1 General Description (Cont'd)

(A) (Cont'd)

Message detail is message billed records in expanded message record (EMR) format in the CRIS file.

Account detail is data that furnishes the end user name, end user location and end user billing parameters other than message detail and/or service and equipment detail.

Service and equipment detail is data associated with universal service order codes (USOCs).

An end user is an account with message detail (for the period for which message records are available from the CRIS file) or an account which is marked or established, at customer request, as an end user of the customer's message services or the customer's private (non-message) services.

- (B) Any information which is confidential due to legal requirements, national security, or the disclosure of which is prohibited by law will not be provided unless the customer requests such information and the information is deemed essential by the Telephone Company to answer end user inquiries, to bill a call, or handle an emergency.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company

- (A) When Billing Information Service is ordered by the customer, the Telephone Company will provide Billing Support Information on a request by request basis, at rates and charges as set forth in Section 20.
- (B) The CRIS information will be provided on an interrogation, total file or file update basis as follows:
 - (1) Where the Telephone Company facilities are available and subject to the agreement of the Telephone Company, CRIS information may be provided on an interrogation basis at the request of the customer. The interrogation basis will permit the customer to access a data file which contains the data base information from a data processing terminal, furnish an end user telephone number and after verification that the information is authorized for the customer's use, receive the end user information. The interrogation file will be provided during normal Telephone Company business hours. The CRIS interrogation file will be updated each bill day (days bills are prepared and dated for an end user for

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(B) (Cont'd)

(1) (Cont'd)

a customer's service) and will be updated daily when information is available and when the Telephone Company updates the file on a daily basis to reflect current end user information. In addition, the CRIS interrogation file will contain end user information for one prior billing period.

If the Telephone Company must develop a retrieval and interrogation program to accommodate the customer's CRIS information request a program development charge, as set forth in Section 20 applies for the hours required to design, develop, test and maintain the necessary retrieval programs.

- (2) The total file basis will permit the customer to receive, at the customer's option, all the end user information that is authorized for the customer's use on paper printout, magnetic tape or microfiche. The total file output will

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(B) (Cont'd)

(2) (Cont'd)

contain end user information for the current billing period. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the initial set of magnetic tapes. The paper printout, magnetic tape or fiche will be available from the Telephone Company within a period mutually agreed to by the Telephone Company and the customer.

A program development charge as set forth in Section 20, applies for the hours required to design, develop, test and maintain the program that is used to provide the paper output, magnetic tape or fiche.

Once available, the paper printout, magnetic tape or fiche will be sent to the customer via U.S. Mail. At the option of the customer, the customer may pick up the paper printout, magnetic tape or fiche at a location

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(B) (Cont'd)

(2) (Cont'd)

designated by the Utility or request the information be data transmitted to the customer. When the information is data transmitted to the customer, the charges as set forth in Section 20.

(3) The file update basis will permit the customer to receive, at the customer option, all the customer information that is authorized for the customer's use on paper printout, fiche or magnetic tape. The file update output will contain end user information for the current billing period only. The current billing period is the period associated with the most recent bill rendered to an end user. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the initial set of tapes. The file updates will include those records added and those records deleted. For billing related information, the file updates will be provided on a monthly interval.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

A program development charge as set forth in Section 20 applies for the hours required to design, develop, test and maintain the program that is used to provide the paper output, fiche or magnetic tape.

Once available, the file update paper printout, fiche or magnetic tape will be sent to the customer via U.S. Mail. At the option of the customer, the customer may pick up the paper output, fiche or magnetic tape at a location designated by the Telephone Company or request the information be data transmitted to the customer. When the information is data transmitted to the customer, the data transmission charges will be determined on an individual case basis.

(C) Universal Line Level Maintenance (ULLM) will be provided on a total file basis, as set forth in 9.14.1 preceding.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

- (1) The ULLM information file will be provided to the customer within 30 business days from request. The information will be taken from the Telephone Company data base not more than 5 business days prior to delivery to the customer. Material will be available for delivery on the first business day of the applicable month. ULLM will be provided in CARE format on magnetic tape(s). the magnetic tapes will be sent to the customer via overnight delivery or at the customer's request may be picked up at a location designated by the Telephone Company.
- (2) ULLM information consists of:
 - Carrier Identification Code (For the customer's end users only)
 - Billing Telephone Number (Except Non Published)
 - Customer Code

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

(2) (Cont'd)

- Working Telephone Number
(Except Non Published)
- Hunting Multiline
- Terminal Number
- Customer Type (Business Only)
- Line Indicator (Single, Multi)
- Account Name (Bill Name)
- Account Address (Bill Address,
City, State)
- Account Zip Code
- Serving Wire Center Code (11
Digit Common Language Location
Identification or "CLLI")

Business account information only will
be provided.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

(3) ULLM may be ordered for lines and trunks which can, or upon conversion can be, presubscribed to an IC within the Telephone Company's serving territory. The minimum request is twenty (20) CLLI Codes.

(4) All ULLM information, including magnetic tapes, reproductions, etc., shall remain the sole property of the Telephone Company.

(5) The Telephone Company warrants that the information provided on the tapes is correct to the best of the Telephone Company's knowledge at the time the tapes are provided. THE TELEPHONE COMPANY MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION OR TAPES.

(D) The Telephone Company will, at the request of the customer, designate any message end user account as a user of the customer's message services. If not designated at the request of the customer, a message end user account will not be

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(D) (Cont'd)

identified as a customer account unless there are customer message details associated with the account for the period for which message records are available from the CRIS file.

(E) Upon acceptance by the Telephone Company of an order for Billing Information Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.

(F) The Telephone Company will provide the format for interrogation of its data files and the format of any printed or magnetic tape output of its data files.

(G) Upon request from an authorized supervisory person of the customer who furnishes the account code assigned by the Telephone Company, the Telephone Company will provide name and town information from its CNL bureau. The CNL name and town data will be provided only when the customer needs the information to authorize a call, to bill a call, or to handle

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(G) (Cont'd)

an emergency situation. The information will be provided on a request by request basis by voice or written communications. Name, town and state will be provided for each telephone number requested.

The Telephone Company will specify the location where requests are to be received and the format in which the request is to be made.

If the name and address associated with the telephone number is restricted due to the request of the end user, legal authority or law enforcement agency, no name or address will be provided.

A maximum of five telephone numbers may be obtained ruing on call to the Telephone Company. Requests for more than five listings must be submitted in writing to the Telephone Company.

(H) If the customer requests the information ordered by the customer be resupplied by the Telephone Company because of

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(H) (Cont'd)

incorrect customer specifications or errors, the Telephone Company will resupply the information in accordance with a new customer order and all appropriate charges as set forth in Section 20 apply.

(I) The Telephone Company will, upon request, provide Billing Name and Address Service. The Billing Name and Address Service will be provided only when the customer needs the information to bill a call and the originating telephone number is provided.

(J) A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company and provided to the customer. If in the course of Telephone Company business it is necessary to change the format, the Telephone Company will provide notification to the involved customers one month prior to the change. The Telephone Company will specify the location(s) where requests are to be received.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

- (K) The Telephone Company will receive from the customer a magnetic tape which contains the originating telephone numbers obtained through Automatic Number Identification. The frequency for receipt of the customer provided magnetic tapes will be at intervals, mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will programmatically be associated with the proper end user billing name and address contained in the CRIS file at that time. The billing name and address matching the telephone number will contain an indicator for nonpublished status as appropriate. The information will then be provided back to the customer as set forth in (L) following. The Telephone Company will determine the number of magnetic tapes required to provide the Billing Names and Address Service detail.
- (L) Output magnetic tape(s) containing Billing Name and Address details will be provided to the customer as part of Billing Name and Address Service. The magnetic tapes will be provided without the return of previously supplied customer provided tapes. The Telephone Company will supply the output

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(L) (Cont'd)

magnetic tapes. Unless otherwise mutually agreed to by the Telephone Company and the customer, the output magnetic tapes will be sent to the customer via first class U.S. Mail. However, the customer may pick up the output magnetic tapes at a location designated by the Telephone Company or request that the detail on the magnetic tapes be data transmitted to the customer. When the billing name and address details are data transmitted to the customer location, program development charges to design, develop, test and maintain the necessary programs will apply as set forth in Section 20 and data transmission charges will be determined on an individual case basis. The time to implement programs for data transmission will be determined on an individual case basis. The data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and customer.

(M) The Telephone Company will normally make available for mailing or pick-up the output magnetic tape six work days after receipt of the customer provided magnetic tape,

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

(M) (Cont'd)

or at an interval that is mutually agreed upon by the Telephone Company and the customer. Availability may be delayed in the case of input data errors in the customer provided magnetic tape.

(N) Billing Name and Address Service detail will not be retained by the Telephone Company for longer than 45 days. If the IC requests that the initially provided output magnetic tape be made available again, such requests must be within 30 days from the date the first output magnetic tape was made available. Charges as set forth in Section 20 will apply.

(O) Any customer purchasing output magnetic tapes pursuant to this tariff agrees to abide by all applicable Commission rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing the end user for services provided to their end users.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.2 Undertaking of the Telephone Company (Cont'd)

- (P) At the customer's request the Telephone Company may undertake the development of a program to satisfy a particular customer need. Program development charges would apply for such an undertaking.
- (Q) At the customer's request the Telephone Company may undertake the development of a project to satisfy a particular customer need. Project development charges would apply for such an undertaking.

9.14.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, in the absence of willful misconduct, no liability for damages to the customer or other person, or entity shall attach to the Telephone Company for its action or the conduct of its employees in providing Billing Information Service.

- (A) The customer shall order Billing Information Service under a Special Order. The customer shall order those Billing Information Services for the territory or portions thereof where it wishes to receive the services.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

(A) (Cont'd)

- (1) The customer shall order Billing Name and Address Service 30 days prior to delivery of the first customer provided magnetic tape to the Telephone Company.
- (2) The customer shall also provide a test magnetic tape to the Telephone Company 30 days in advance of the proposed delivery of the customer provided magnetic tape.

- (B) With each order, the customer shall identify the authorized individual and address to receive the Billing Information Service output. When interrogation is ordered, the customer shall identify the authorized terminals and authorized individual who will be responsible for all terminal activities. When CNL service is ordered, the customer will identify in writing the name or job function of all authorized individuals who will contact the CNL bureau.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

- (C) The customer shall take every effort to make sure that Billing Information Service output and interrogation capability is provided only to authorized personnel. The customer shall agree, in writing to the Telephone Company, that the customer will not provide the Billing Information Service outputs to third parties except for work for the customer which is under complete control of the customer.
- (D) The customer shall furnish to the Telephone Company when interrogation service is ordered all information necessary to allow the Telephone Company to establish an interrogation program. In addition, the customer shall furnish the Telephone Company for each data base and file where the interrogation is ordered, an estimate of the number of requests per business day that the Telephone Company data bases and file will be asked to handle. The customer's interrogation terminals must be capable of working with Telephone Company equipment and software.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

- (E) The customer shall be responsible for all contacts and inquiries from its end user concerning Billing Information Service.
- (F) The customer shall not publicize or represent to others that the Telephone Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files and data bases or other systems it assembles through the use of Billing Information Service.
- (G) When the customer wants a quotation of the charges for the service ordered the customer shall request such at the time of the order.
- (H) The customer will retain a duplicate magnetic tape or file of telephone number details contained on the customer provided tape for a period of 45 days from the date such customer provided tapes were received by the Telephone Company.
- (I) The customer will use the provided ULLM information solely in connection with the provisions of customer interexchange telecommunications service subject to the following limitations:

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

(I) (Cont'd)

- (1) The customer will not use the information provided in connection with the production of telephone directories, or the provision of Directory Assistance Service or Operator Services and will not provide the tapes or information to any parent, subsidiary, affiliate, or agent of the customer, or to any third party except as provided following. The customer may not copy any portion of the tapes except for the customer's internal use when permitted under this tariff. The customer will hold the information provided on the tapes in strict confidence and take the necessary steps to prevent the transfer or disclosure of any information to any person or entity other than the customer. Information provided to a parent, subsidiary, affiliate, or agent of the customer may be provided upon the following conditions:

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

(I) (Cont'd)

(1) (Cont'd)

- The party to which the tapes or information are provided agrees in writing with the customer to restrictions on the use, copying and disclosure of the tapes and information that are at least as stringent as the restrictions on the customer.
- The customer shall indemnify and hold harmless the Telephone Company against any loss, cost, claim or damage resulting from or in connection with the use of the tapes or information provided by the Telephone Company.
- If in the Telephone Company's reasonable opinion the ULLM tapes or information are used in a fashion contrary to the rules and regulations of ULLM service, the Telephone Company will require the immediate return of the tapes

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.3 Liability of the Telephone Company (Cont'd)

(I) (Cont'd)

(1) (Cont'd)

to the Telephone Company and
erase from the customer records,
all information derived from the
tapes.

- The customer agrees not to
disclose the source or ownership
of the tape(s) in its use of the
tape(s) without obtaining prior
written approval from the
Telephone Company.

9.14.4 Payment Arrangements

(A) Payments

Payment for Billing Information Service
when Message Billing Service and/or Special
Access Billing Service is provided to the
customer will be included in the settlement
of accounts receivable as set forth in 9.13.1
preceding. All other payment regulations as
set forth in Section 2 preceding apply.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.4 Payment Arrangements (Cont'd)

(A) Payments (Cont'd)

The minimum period for which Billing Information Service is provided and for which charges apply is one year.

(B) Minimum Periods

When the customer discontinues the service prior to the end of the one year minimum period, the most recent monthly charge for the full file output, file update output or data base interrogation, whichever is appropriate, will apply for each remaining month and fraction of month.

(C) Cancellation of Application

A customer may cancel a Special Order for Billing Information Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Special Order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. The service date for a Billing Information Service is the date the Telephone Company notifies

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.4 Payment Arrangements (Cont'd)

(C) Cancellation of Application (Cont'd)

the customer that the Telephone Company is ready to provide Billing Information Service reports or receive interrogation requests.

When a customer cancels a Special Order for Billing Information Service after the date the Telephone Company is scheduled to complete entering the initial order details into its order distribution system but prior to the start of service, charges as listed following shall apply:

- (1) For any service, the appropriate per hour rate for all hours expended by the Telephone Company to provide the service.
- (2) For any service, any expense for equipment obtained for the service where such equipment cannot be reused within six months.

Start of service occurs when the Telephone Company notifies the customer that the Telephone Company is ready to provide Billing Information Service reports or receive interrogation requests.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.4 Payment Arrangements (Cont'd)

(D) Changes to Orders

When a customer requests changes for an existing order for Billing information Service, they will be undertaken if they can be accommodated by the Telephone Company. Any additional time required on the part of the Telephone Company personnel will be billed to the customer at the appropriate hourly charges.

- (E) The rates and charges, as set forth in 9.14 are based on the standard formats and information used by the Telephone Company. If the customer desires non-standard formats, the rates and charges will be handled on an individual case basis.

9.14.5 Rates and Regulations

- (A) The number and type of records for which charges apply as set forth in Section 20 following will be accumulated by the Telephone Company and the Telephone Company will bill the customer in accordance with these accumulations. A record is a logical grouping of information as described in the programs that process the information, print the paper output, and

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.5 Rates and Regulations (Cont'd)

(A) (Cont'd)

load the magnetic tape or data file used to supply the detail which is data-transmitted or put on fiche. For each service and type of output ordered, the number of records processed by the Telephone Company to prepare the output will be used to determine the charges. The number of records processed will be determine using the number of records input to or the number of records output from the programs that process the information, print the paper output and load the magnetic tape or data file, whichever number of records is higher.

(B) The number of hours for which charges apply as set forth in Section 20 following will be accumulated by the Telephone Company. The per hour rate includes one hour of one Telephone Company programmer. The Telephone Company will bill the customer for hourly charges in accordance with these accumulations. The accumulated hours for each order will be summed and rounded to the nearest hour, except than when the total is less than one hour, one hour will be used to determine the charges.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.5 Rates and Regulations (Cont'd)

- (C) When CNL request is received, the Telephone Company will keep account of the requests and will bill the customer in accordance with these records even though the Telephone Company was not able to provide a name and address for all requests.
- (D) When the Telephone Company and a Local Exchange Carrier have a reciprocal agreement to share name and location information, the Local Exchange Carrier will be exempted from the CNL interrogation charges.
- (E) When output is entered on a tape to be provided to a customer, the per tape charge applies for each tape created. The Telephone Company will determine the charges based on the number of tapes created.
- (F) The charges for Billing Name and Address Service are as set forth in Section 20.
- (G) The basic per hour rate and the premium per hour rate for program development and project development is for the use of one hour of one Telephone Company programmer's time.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.5 Rates and Regulations (Cont'd)

- (H) The Telephone Company will keep a count of the hours and fraction thereof used by the Telephone Company personnel to provide program development and project development and will bill the customer in accordance with these records. The hours for each order will be summed and then rounded to the nearest hour, except that when the total is less than an hour, one hour will be used to determine the charges.
- (I) The charges for ULLM service are as set forth in Section 20 following. ULLM may be ordered on an annual, semi-annual or quarterly basis. A minimum order of one year is required for service provided on a semi-annual or quarterly basis.
 - If ULLM is ordered on an annual basis and a subsequent request for identical data is received prior to 12 months from the date of the initial request, the service will be provided on the appropriate semi-annual or quarterly basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.14 Billing Information Service (Cont'd)

9.14.5 Rates and Regulations (Cont'd)

(I) (Cont'd)

- If ULLM is ordered on a semi-annual basis and a subsequent request for identical data is received prior to 6 months from the date of the initial request, the service will be provided on a quarterly basis.

9.15 Billing Services - 900 Service

The Telephone Company will provide billing and collection services for authorized providers of intrastate, interLATA information services using the 900 NPA codes as set forth in Section 9.15 following. Services billed hereunder are limited to charitable contributions, information, or communication services provided over the telephone. The Telephone Company will not bill or collect for goods and services that are not provided over the telephone.

Billing and collection by the Telephone Company for services rendered to or for a customer on behalf of an Information Provider (IP) engaged in furnishing any live or recorded videotext or audio information which contains harmful matter as defined in California Penal Code Section 313 is a matter for contractual arrangement between the IP and the customer, and is not subject to the terms of this tariff.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

The Telephone Company will not deny basic telephone service solely for the end user's failure to pay any message or transaction billed under this tariff section. In the event an end user's telephone service has been discontinued with a balance owing, any amounts due for the services billed under this tariff will not be included in the calculation of deposits to reconnect or establish service.

The Telephone Company will not provide billing services under this tariff to any customer without authorization by the CPUC to provide Intrastate Telecommunications Services, to the extent such authorization is required by law.

The Telephone Company will provide billing services for MTS calls which allows the right to deny basic services for the collection of customer charges in accordance with the terms and conditions set forth in 9.1.

The following types of billing services will be offered for 900 messages:

- (A) Recording Service is the accumulation of customer message detail by the Telephone Company's recording equipment as described in 9.1 preceding.
- (B) Transaction Rating is the application of the appropriate charges to a recorded message or transaction based

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

(B) (Cont'd)

on the customer's schedule of rates in preparation for billing rendering, as described in 9.2 preceding.

(C) Transaction Billing is the posting of individually rated messages/transactions to an end user account on behalf of the customer for subsequent Bill Rendering, as described in 9.3 preceding.

(D) Bill Rendering is the preparation and mailing of statements to the customer's end users, the receipt of payments, collections, treatment, maintenance of end user's accounts and, upon customer request, provision of optional Inquiry Service, as described in 9.4 preceding.

(E) Inquiry Service is the answering of end user questions, either written or verbal, concerning disputed charges, explaining bills, crediting and adjusting services charges, claim investigation and customer requested recharges, as described in 9.6 preceding.

(F) Record Keeping is performed in conjunction with Transaction Billing to reflect message or transaction activity associated with the end user account, as described in 9.8 preceding.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

- (G) Support Information may be provided at the customer's request with the Telephone Company's agreement on an individual case basis. Developmental costs will be determined and charged for on an individual case basis, as describe in 9.14 preceding.

Unless otherwise specifically set forth in 9.15, the requirements as set forth in 9 preceding apply, where appropriate, to 9.15 billing services. The safeguards and associated charges contained in this tariff are consistent with those required in Decision No. 91-03-021 of the California Public Utilities Commission and apply to messages billed under this tariff.

9.15.1 Undertaking of the Telephone Company

- (A) The Telephone Company will provide Transaction Rating, Transaction Billing and/or Bill Rendering services for customer messages or transactions provided by the customer.
- (B) The Telephone Company will determine the commencement date for billing services.
- (C) The Telephone Company will automatically extend the end date specified in the Customer Order, as described in 9.15.3 following, by one year at current tariffed rates unless the customer provides the

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

Telephone Company written instructions to the contrary at least six (6) months' preceding the end date shown in its Customer Order.

(D) The Telephone Company will specify a standard data format to be used and will endeavor to provide six (6) months' written notice prior to format changes.

(E) The Telephone Company will return customer message or transaction details which cannot be rated and/or billed based on the Telephone Company's standard acceptance edits.

(F) Upon customer request, the Telephone Company will maintain records to enable future end user billing adjustments for customer rates allowed to take effect pending investigation by a Regulatory agency.

(G) The Telephone Company may undertake the development of a customer-specific program or project. The charges for such an undertaking will be determined on an individual case basis.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

- (H) Upon reasonable notice and up to one (1) year after termination of Billing Service under this tariff section, the Telephone Company will permit the customer or its designated representative to examine and/or audit the Telephone Company's methods and procedures including all records, accounts and processes which may under recognized accounting principles contain information bearing upon the provision of Billing Service by the Telephone Company for the customer under this tariff section. Such examinations and/or audits shall be conducted during the Telephone Company's normal business hours at a time and place determined by the Telephone Company. The scope and parameters of such examinations and/or audits shall be mutually-agreeable and established at least 30 days prior to commencement.
- (I) If the Telephone Company and the customer determine as a result of an examination and/or audit as set forth in (H) preceding, that an adjustment is appropriate, the agreed upon adjustment will be made by the Telephone Company or the customer.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

- (J) Except as specifically set forth in (1) through (7) following, the Telephone Company will provide Bill Rendering as described in 9.4 preceding.
- (1) All customer messages billed under any subsection of Section 9 will appear on the same bill page unless otherwise mutually agreed upon. The bill format will be determined by the Telephone Company. All charges must contain the 900 program name and/or category and/or short description of the program, limited to space available on the bill. The bill must include a toll-free telephone number for billing inquiries.
 - (2) The Telephone Company shall provide a one-time advance notification to each end-user if their total 900/976 charges (including California 976, California 900 and calls carried by Section 9.15 customers through their 900 Services) in a one-month billing period exceed the limits as set forth in (a) through (c) following:

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(J) (Cont'd)

(2) (Cont'd)

- (a) The Telephone Company shall accumulate charges for all 900/976 services billed under this tariff, and for those billed under Schedule Cal. P.U.C. Nos. A9.5.2 and A9.5.3, on a monthly basis.
- (b) The Telephone Company will notify each end user by letter the first time the total 900/976 charges billed by the Telephone Company, as described in (a) preceding, reaches \$75.00 in one billing period, or \$30.00 for Lifeline customers (as Lifeline is described in Schedule Cal. P.U.C. No. A5.2.5).
- (c) The Telephone Company will attempt to contact each end user by telephone the first time the total bill for 900/976 services, as described in (c) preceding, exceeds \$150.00 in one billing cycle. In the event the end user

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(J) (Cont'd)

(2) (Cont'd)

(c) (Cont'd)

cannot be reached by telephone, the Telephone Company may temporarily block the end user's access to 900 services, as set forth in Section 6 preceding and Schedule Cal. P.U.C. No. A9.5.4, until contact is made and the end user requests access to 900/976 services.

(T)

(3) The Telephone Company will track, at an aggregated level, the actual numbers of advance notifications issued by the Telephone Company pursuant to (2) preceding, at \$30.00, \$75.00 and \$150.00 levels, and the disposition of the \$150.00 level, on a monthly and year-to-date basis. This report will be forwarded to customer on a monthly basis.

(4) The Telephone Company will not disconnect the end user's basic telephone service solely for the non-

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(J) (Cont'd)

(4) (Cont'd)

payment of services billed under this tariff section. However, end user access to 900 may be blocked until unpaid 900 charges are paid.

(5) Upon end user request for IP name, address and/or business telephone number, the Telephone Company shall refer the end user to the customer's provided toll-free telephone number, and the customer will make such information available to the end user.

(6) The Telephone Company will provide treatment services and pursue collection of monies related to the Telephone Company-billed customer charges based on the Telephone Company's established methods and procedures.

(7) The Telephone Company will apply adjustments to end user bills authorized by the customer. The Telephone Company reserves the right to adjust end user bills and recourse the adjustments to the customer for

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(J) (Cont'd)

(7) (Cont'd)

any amount disputed by the end user
and which cannot be resolved by the
end user and the customer.

(K) The Telephone Company will provide Inquiry
Service as set forth in (1) through (8) following
with respect to charges billed under this tariff
Section 9.15.

(1) Upon customer request, the Telephone
Company will determine appropriate
adjustments of the Telephone
Company-billed customer charges and
adjust end user bills accordingly based on
the Telephone Company's established
methods and procedures as part of the
Telephone Company's Inquiry service as
set forth in 9.6 preceding.

(2) The Telephone Company shall make a
one-time adjustment for 900 charges
for end users for inadvertent, mistaken
or unauthorized use of services billed for
under this tariff 9.15, when the end user
disputes the 900 charges within 60 days
of billed date.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(K) (Cont'd)

- (3) At the time of the adjustment request, the end user will be informed of the availability of blocking as described in Schedule Cal. P.U.C. No. A9.5.4. If the end user requests blocking, 900 charges will be adjusted to the date blocking was placed on the residential end user's line.
- (4) When an end user disputes a 900 charge, either orally or in writing, within 60 days of the bill date on grounds other than specified in 9.15.1(2) the Telephone Company shall notify the end user that until the dispute is resolved (1) the end user is not required to pay disputed amount (2) the disputed amount is not subject to Late Payment charge (as defined in Schedule Cal. P.U.C. No. A2.1.9, D) and (3) end user credit standing with the Telephone Company will not be impacted.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(K) (Cont'd)

(4) (Cont'd)

In the event that the dispute is resolved in favor of the end user, the Telephone Company shall make the requested adjustment and recourse the adjustment to the customer. In the further event the end user dispute cannot be resolved within the billing cycle, a written acknowledgement shall be mailed within 30 days of receipt of the end user's written notification to the Telephone Company of the dispute.

A billing cycle is the 30-day interval between the mailing of the monthly bill and the next month's mailing.

(5) In addition, other adjustments may be made in accordance with standard Telephone Company practice and recourse to the customer.

(6) Before an adjustment for one hundred dollars (\$100.00) or more will be made for 900 charges, the Telephone

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.1 Undertaking of the Telephone Company (Cont'd)

(K) (Cont'd)

(6) (Cont'd)

Company shall require a signed declaration from the end user requesting an adjustment (Declaration Letter). The Telephone Company may, at its discretion, require a signed declaration for adjustments of less than one hundred dollars (\$100.00) or for other types of adjustments.

(7) The Telephone Company shall remove the adjusted amount from the end user bill and provide the customer with message detail to independently pursue collection, if desired.

(8) The Telephone Company will apply partial payments received from the end user on a pro rata basis based on the proportion of charges billed by the Telephone Company on its own behalf and on behalf of its customer(s).

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.2 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, the Telephone Company liability for Billing Service is limited to the following:

- (A) If customer message or transaction details are unavailable because the Telephone Company lost or damaged the media or incurred a processing system outage, and it has made reasonable efforts to recover the message detail including, where appropriate the steps as set forth in 9.15.3 (J) following, it will estimate the volume of lost messages and/or associated revenue based on previous customer history. The Telephone Company's liability for damages in this circumstance shall be limited to a credit adjustment for the estimated unbillable revenues.
- (B) If the Telephone Company makes a billing error in conjunction with its provisioning of Bill Rendering, it will make reasonable efforts to correct the error and properly bill the end user. If the Telephone Company cannot rebill the end user and the error was caused by the Telephone Company, its liability for damages is limited to the amount misbilled or an estimate of the amount misbilled.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.2 Liability of the Telephone Company (Cont'd)

- (C) In the event end user initiated or Telephone Company-initiated blocking is not completed on the requested effective date, the Telephone Company's liability shall be limited to actual lost revenues billed under this tariff 9.15.
- (D) In the absence of willful misconduct, no liability for damages to the customer or other person or entity except as set forth in (A) through (C) preceding shall attach to the Telephone Company for its actions or the conduct of its employees in providing Billing Service under this tariff to the customer.

9.15.3 Obligations of the Customer

- (A) The customer shall order Billing Services on a Customer Order and shall provide the Telephone Company six (6) months' written notice prior to the end date specified in the Customer Order if it wishes to discontinue or extend its current billing services.
- (B) The customer shall not encumber, create a security interest in, assign, transfer, sell, exchange or give its accounts receivable to any other entity or person after the Telephone Company has purchased the customer's accounts receivable.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.3 Obligations of the Customer (Cont'd)

- (C) The customer shall be responsible for collection of all end user balances which existed prior to the Telephone Company's commencement of Bill Rendering service.
- (D) The customer shall only submit previously unbilled charges for billing on its behalf which conform to the backbilling limitations including a reasonable time period for the processing of the unbilled charges by the Telephone Company.
- (E) The customer shall notify the Telephone Company of pending disputes (greater than \$20.00) with end users where resolution appears unlikely within 3 calendar days of claim.
- (F) The customer shall forward authorized adjustments of Telephone Company-billed customer charges to the Telephone Company in a mutually-agreed upon format within thirty (30) days of claim resolution.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.3 Obligations of the Customer (Cont'd)

- (G) The customer shall indicate those specific customer messages which are tax exempt, shall be responsible for all end user contacts regarding taxability of customer messages and shall remit all taxes to the proper authorities.
- (H) The customer shall instruct the Telephone Company to calculate and bill surcharges and/or surcredits to the end user on its behalf. The customer shall be responsible for the remittance of these funds to the proper authorities.
- (I) The customer shall maintain all message or transaction detail records for a period of sixty (60) days from the date of the original transmission of the records to the Telephone Company. If the Telephone Company makes a request to customer for a duplication of previously transmitted records within sixty (60) days of the original transmission date, the customer will make reasonable efforts to retransmit the requested records to the Telephone Company in a timely manner.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.3 Obligations of the Customer (Cont'd)

- (J) The customer retains the right upon reasonable notice, for up to one(1) year after the termination of Billing Service under this tariff section, to conduct an examination and/or audit of the methods and procedures, including all records, accounts and processes which may under recognized accounting principles contain information bearing upon the provision of Billing Service by the Telephone Company to the customer under this tariff section. Such examinations and/or audits shall be conducted during the Telephone Company's normal business hours at a time and place determined by the Telephone Company. The scope and parameters of such examinations and/or audits shall be mutually-agreeable and established at least thirty (30) days prior to commencement of the examination.
- (K) The customer or its designated representative must not disclose any information received or reviewed as part of the examination and/or audit to any party not involved in the audit or use it for any other purposes.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.3 Obligations of the Customer (Cont'd)

- (L) Upon reasonable notice and up to one (1) year after termination of Billing Service under this tariff section, the Telephone Company will permit the customer or its designated representative to examine and/or audit the Telephone Company's methods and procedures including all records, accounts and processes which may under recognized accounting principles contain information bearing upon the provision of Billing Service by the Telephone Company for the customer under this tariff section. Such examinations and/or audits shall be conducted during the Telephone Company's normal business hours at a time and place determined by the Telephone Company. The scope and parameters of such examinations and/or audits shall be mutually-agreeable and established at least 30 days prior to commencement.
- (M) When the customer provides their own inquiry service, a toll-free telephone number shall be made available to the end user for billing questions.
- (N) The customer shall make available to the Telephone Company a toll-free telephone number for use by the Telephone Company when questions arise.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.3 Obligations of the Customer (Cont'd)

- (O) The customer shall provide the IP name, address and business telephone within a reasonable time frame in response to any end user requests for such information.
- (P) The customer shall be responsible for tracking all end user complaints received by the customer regarding customer's 900 service.

9.15.4 Rate Regulations

This section contains specific regulations governing the rates and charges set forth in Section 20 following which apply to 900 Billing Service.

- (A) A Message Processing charge will apply to each customer message or transaction rated by the Telephone Company.
- (B) A Provision of Message Details charge will apply to each rated customer message or transaction processed by the Telephone Company unless the Telephone Company is also providing Bill Rendering service for that message.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.4 Rate Regulations (Cont'd)

- (C) In addition to (B) preceding, either a magnetic tape charge will apply to each tape or other media containing file(s) or a data transmission charge will apply to each record transmitted between the Telephone Company and the customer, or upon customer request, between the Telephone Company and another Local Exchange Carrier.
- (D) A Bill Rendering charge will apply to each bill rendered to a customer end user account.
- (E) Program Development basic and premium rates per hour apply to each hour of Telephone Company programming and administration time expended to meet the customer's specific request and will be billed based on records maintained by the Telephone Company.
- (F) A Bill Processing charge will apply to each 900 transaction or message billed on an end user bill. This charge includes the Telephone Company's activity of generating the one-time advance notification as described in 9.15.1 preceding.

Continued

ACCESS SERVICE

9. Billing and Collection Services (Cont'd)

9.15 Billing Services - 900 Service (Cont'd)

9.15.4 Rate Regulations (Cont'd)

- (G) When message or transaction detail is data-transmitted to either a customer location by the Telephone Company or from the customer location to the Telephone Company, a charge on a per record basis will apply as set forth in Section 20 following.
- (H) A Record Keeping Maintenance Charge applies for each end user account for each month commencing with the month the end user account is established.
- (I) Inquiry Service will be provided at the rates and charges set for in Section 20 following. This charge includes the Telephone Company's activity of generating a Declaration Letter when an end user requests an adjustment of \$100.00 or more on 900 charges as described in 9.15.1 preceding.
- (J) An adjustment charge will apply for each customer with 900 calls adjusted per end user account at the rate set forth in Section 20 following.

Continued

ACCESS SERVICE

10. Directory Assistance

10.1 General Description

The Telephone Company will provide Directory Assistance services to customers on a contractual basis.

10.2 Regulations, Rates, and Charges

Regulations, rates, and charges for Directory Assistance services will be determined on an individual case basis.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces

11.1 Local Transport Interface Groups

Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in Section 6 preceding.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 5 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

(T)

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

Only certain premises interfaces are available at the customer designated premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in 11.1.1 following.

11.1.1 Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC, or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.1 Interface Group 1 (Cont'd)

capable of, and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, or FGD such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

11.1.2 Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.2 Interface Group 2 (Cont'd)

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for the transmission of voice, and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGB, FGC, or FGD such signaling, except for two-way calling, which is E&M signaling, will be reverse battery signaling.

11.1.3 Interface Group 3

Interface Group 3 provides DS1 level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a normal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.3 Interface Group 3 (Cont'd)

multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital carrier termination is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in DS3 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

For CCS/SS7 out of Band Signaling, the Telephone Company will provide an CCS/SS7 signaling connection at the DSO level on a DS1 facility. CCS/SS7 is offered in conjunction with FGD as set forth in Section 6.

11.1.4 Interface Group 4

Interface Group 4 provides DS2 level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.4 Interface Group 4 (Cont'd)

transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide DS1 termination at the first point of switching.

The interface is provided with individual transmission path bit stream supervisory signaling.

11.1.5 Interface Group 5

Interface Group 5 provides DS3 level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signal(s) in D3/D4 format.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.5 Interface Group 5 (Cont'd)

The interface is provided with individual transmission path bit stream supervisory signaling.

11.1.6 Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in 11.3 following.

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u> <u>A B C D</u>			
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2		X		
	GO	2GS3		X		
	LO, GO	2DX3		X		
	LO, GO	4EA3-E		X		
	LO, GO	4EA3-M		X		
	LO, GO	6EB3-E		X		
	LO, GO	6EB3-M		X		
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC3			X	X
	RV	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.6 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
2	LO, GO	4SF2	X			
	LO, GO	4SF3	X			
	LO	4LS2	X			
	LO	4LS3	X			
	LO	6LS2	X			
	GO	4GS2		X		
	GO	4GS3		X		
	GO	6GS2		X		
	LO, GO	4DX2		X		
	LO, GO	4DX3		X		
	LO, GO	6EA2-E		X		
	LO, GO	6EA2-M		X		
	LO, GO	8EB2-E		X		
	LO, GO	8EB2-M		X		
	LO, GO	6EX2-B		X		
	RV, EA, EB, EC	4SF2		X	X	X
	RV, EA, EB, EC	4SF3		X		
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	4DX3		X		
	RV, EA, EB, EC	6DX2			X	
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	RV, EA, EB, EC	8EB2-M		X	X	X
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-0		X	X	X
	RV	4RV2-T		X	X	X
	RV	4RV3-0		X	X	
	RV	4RV3-T		X	X	

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.6 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
3	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L	X	X	X	
4	LO, GO	4DSO-63	X			
	LO, GO	4DSO-63L	X			
	RV, EA, EB, EC	4DSO-63	X	X	X	
	RV, EA, EB, EC	4DSO-63L		X	X	X
5	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L	X	X	X	

11.1.7 Supervisory Signaling

Supervisory Signaling allows the customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.7 Supervisory Signaling (Cont'd)

- For Interface Groups 1 and 2
DX Supervisory Signaling,
E&M Type I Supervisory Signaling,
E&M Type II Supervisory Signaling, or
E&M Type III Supervisory Signaling
- For Interface Group 2

SF Supervisory Signaling, or
Tandem Supervisory Signaling

These Interface Groups may, at the option of the customer be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., nondigital, interface to the transport termination.

11.2 Transmission Specifications Switched Access Service

11.2.1 Standard Transmission Specification

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups. The

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

specific applications in terms of the Feature Groups and Interface Groups with which the Feature Group Standard Transmission Specifications are provided are set forth in Section 6 preceding.

(A) Type A Transmission Specifications

Type A Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 dB.

(T)

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.2 Transmission Specifications Switched Access Service
(Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(A) Type A Transmission Specifications
(Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	32 dBrnCO
51 to 100	34 dBrnCO
101 to 200	37 dBrnCO
201 to 400	40 dBrnCO
401 to 1000	42 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

<u>Loss</u>	<u>Echo Return Loss</u>	<u>Singing Return</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire (4) point of termination shall be equal to or greater than:

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(6) Standard Return Loss (Cont'd)

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
-------------------------	--------------------------------

5 dB

2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is plus or minus 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>	
	<u>Type B2</u>	<u>Type B1</u>
Less than 50	35 dBrnCO	32 dBrnCO
51 to 100	37 dBrnCO	33 dBrnCO
101 to 200	40 dBrnCO	35 dBrnCO
201 to 400	43 dBrnCO	37 dBrnCO
401 to 1000	45 dBrnCO	39 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in Four-wire (4) trunk	21 dB	14 dB
- Terminated in Two-wire (2) trunk	16 dB	11 dB

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.2 Transmission Specifications Switched Access Service
(Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

<u>Loss</u>	<u>Echo Return Loss</u>	<u>Singing Return</u>
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
. For FGB access	8 dB	4 dB
. For FGC access		
(effective four-wire		
transmission path		
at end office)	16 dB	11 dB
. For FGC access		
(effective two-wire		
transmission path		
at end office)	13 dB	6 dB

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(6) Standard Return Loss (Cont'd)

Echo Return Loss Singing Return Loss

5 dB

2.5 dB

(C) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is plus or minus 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.2 Transmission Specifications Switched Access Service
(Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B2</u>	<u>Type B1</u>
Less than 50	38 dBrnCO	32 dBrnCO
51 to 100	39 dBrnCO	33 dBrnCO
101 to 200	41 dBrnCO	35 dBrnCO
201 to 400	43 dBrnCO	37 dBrnCO
401 to 1000	45 dBrnCO	39 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

*For Feature Group C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NWT-000334.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specification (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control identified as Return Loss and expressed as Echo Return Loss is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	13 dB	6 dB
POT to End Office		
- Direct	13 dB	6 dB
- Via Access Tandem	8 dB	4 dB
(for FGB only)		

11.2.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in Section 6 preceding. Following are descriptions of each.

(T)

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is
equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay
Distortion for the frequency bands and
route miles specified is:

604 to 2804 Hz

Less than 50 route miles 500 microseconds

Equal to or greater than
50 route miles 900 microseconds

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(2) Envelope Delay Distortion (Cont'd)

1004 to 2404 Hz

Less than 50 route miles 200 microseconds

Equal to or greater than
50 route miles 400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a
65 dBrnCO threshold in 15 minutes is
no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order
(R3) Intermodulation Distortion
products are equal to or greater than:

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(4) Intermodulation Distortion (Cont'd)

Second Order (R2) 33 dB
Third Order (R3) 40 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5 degrees peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

Less than 50 route miles 800 microseconds

Equal to or greater than
50 route miles 1000 microseconds

1004 to 2404 Hz

Less than 50 route miles 320 microseconds

Equal to or greater than
50 route miles 500 microseconds

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnC0 threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 degrees peak-to-peak.

(6) Frequency Shift

The maximum Frequency shift does not exceed -2 to +2 Hz.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies an NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

NT	=	Metallic Channel with a Predefined Technical Specification Package (1)
2	=	Number of physical wires at customer premises
DC	=	Facility interface for direct current or voltage
8	=	Variable impedance level
3	=	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB -		Accepts 20 Hz ringing signal at customer's point of termination
AC -		Accepts 20 Hz ringing signal at customer's end user's point of termination
CT -		Centrex Tie Trunk Termination
DA -		Data stream in VF frequency band at customer's end user's point of termination
DB -		Data stream in VF frequency band at customer's point of termination

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DC -		Direct current or voltage
-		Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD -		DATAPHONE Select-A- Station (and TABS) interface at customer's point of termination
DE -		DATAPHONE Select-A- Station (and TABS) interface at the customer's end user's point of termination
DS -		Digital hierarchy interface

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
- 15		1.544 Mbps (DS1) format per PUB 62411 plus D4
- 15E		8-bit PCM encoded in one 64 kbps of the DS1 signal
- 15F		8-bit PCM encoded in two 64 kbps of the DS1 signal
- 15G		8-bit PCM encoded in three 64 kbps of the DS1 signal
- 15H		14/11-bit PCM encoded in six 64 kbps of the DS1 signal
- 15J		1.544 Mbps format per PUB 62411
- 15K		1.544 Mbps format per PUB 62411 plus extended framing format
- 15L		1.544 Mbps (DS1) with SF signaling
- 44		44.736 Mbps (DS3)
- 44L		44.736 Mbps (DS3) with SF signaling
- 63		6.312 Mbps (DS2)
- 63L		6.312 Mbps (DS2) with SF signaling

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DU -		Digital access interface
- 19		19.2 kbps
- 24		2.4 kbps
- 38		38.4 kbps
- 48		4.8 kbps
- 56		56.0 kbps
- 96		9.6 kbps
- A		1.544 Mbps format per PUB 62411
- B		1.544 Mbps format per PUB 62411 plus extended framing format
DX -		Duplex signaling interface at customer's point of termination
DY -		Duplex signaling interface at customer's end user's point of termination
EA -	E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EA -	M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB -	E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB -	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EC -		Type III E&M signaling at customer POT
EX -	A	Tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EX - B		Tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO -		Ground start loop signaling - open end function by customer or customer's end user.
GS -		Ground start loop signaling - closed end function by customer or customer's end user.
IA -		E.I.A. (25 pin RS-232)
LA -		End user loop start loop signaling - Type A OPS registered port open end

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options
(Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
LB -		End user loop start loop signaling - Type B OPS registered port open end
LC -		End user loop start loop signaling - Type C OPS registered port open end
LO -		Loop start loop signaling - open end function by customer or customer's end user
LR -		20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS -		Loop start loop signaling - closed end function by customer or customer's end user
NO -		No signaling interface, Transmission only

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG -		Program transmission - no dc signaling
-	1	Nominal frequency from 50 to 15000 Hz
-	5	Nominal frequency from 100 to 5000 Hz
-	8	Nominal frequency from 50 to 8000 Hz
PR		Protective relaying*
RV -	0	Reverse battery signaling, one way operation, originate by customer
-	T	Reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF -		Signal frequency signaling with VF band at either customer POT or customer's end user POT.

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
TV -		Television interface
-	1	Combined (diplexed) video and one audio signal
-	2	Combined (diplexed) video and two audio signals
-	5	Video plus one (or two) audio 5 kHz signal(s) or one (or two) two-wire.
-	15	Video plays one (or two) audio 15 kHz signal(s)

11.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.2 Impedance (Cont'd)

<u>Value (ohms)</u>	<u>Code(s)</u>
900	3*
135	5
75	6
124	7
Variable	8
100	9

11.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit

* For those interface codes with a four-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the FCC Docket No. 20099 Settlement Agreement.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.3 Digital Hierarchy Channel Interface Codes (4DS) (Cont'd)

rates in the digital hierarchy employ the channel interface code 4DS8, 4DS0, or 4DS6 plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>
4DS8-15	1.544	DS1
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3

11.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, MT2, etc.), and the network channel codes that are used for:

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
VGC	LQ
VG1	LB
VG2	LC
VG3	LD

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.4 Service Designator/Network Channel Code
Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW
DA1	XA
DA2	XB
DA3	XG
DA4	XH
HC0	HS
HC1	HC
HC2	HE
HC3	HF

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel
Codes (Cont'd)

11.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2AB2	2AC2	2DB2	2DA2	2LR2	2LR2
2AB3	2AC2	2DB3	2DA2	2LR3	2LR2
2CT3	2DY2	2DX3	2LA2	2LS2	2LA2
	4DS8*				
	4Dx2		2LB2		2LB2
	4DX3		2LC2		2LC2
	4DY2		2L03		
	4EA2-E		2LS2	2LS3	2LA2
	4EA2-M		2LS3		2LB2
	4SF2				2LC2
	4SF3	2G02	2GS2		

*See 11.3.3 preceding for explanation.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
2CT3 (Cont'd)		
6DX2	2GS3	2NO2 2DA2
6DY2		2NO2
6DY3	2G03 2GS2	
6EA2-E	2GS3	2NO3 2NO2
6EA2-M		2PR2
6EB2-E	2LO2 2LS2	
6EB2-M	2LS3	2TF3 2TF2
6EB3-E		
8EB2-E	2L03 2LS2	
8EB2-M	2LS3	
8EC2		
9DY2		
9DY3		
9EA2		
9EA3		
4AB2 2AC2		
4AB2		
4AC2		
4SF2		
4AB3 2AC2		
4AC2		
4SF2		
4AC2 2AC2		

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
4AC2 (Cont'd)		
4AC2	4DS8-*2AC2	4DS8-*4DG2
	2DA2	4LR2
	2DY2	4LS2
	2GO2	4NO2
4DA2 4DA2	2GO3	4PR2
	2GS2	4RV2-T
4DB2 2DA2	2GS3	4SF2
2NO2	2LA2	4SF3
2PR2	2LB2	4TF2
4DA2	2LC2	6DA2
4DB2	2LO2	6DY2
4NO2	2LO3	6DY3
4PR2	2LR2	6EA2-E
6DA2	2LS3	6EA2-M
	2LS3	6EB2-E
4DD3 2DE2	2NO2	6EB2-M
4DE2	2PR2	6GS2
	2RV2-T	6LS2
	2TF2	8EB2-E
	4AC2	8EB2-M

*See 11.3.3 preceding for explanation.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

Compatible CIs

Compatible CIs

Compatible CIs

4DD3 (Cont'd)

			4DA2		9DY2
			4DE2		9DY3
			4DX2		9EA2
			4DX3		9EA3
			4DY2		
			4EA2-E		
			4EA2-M		
4DX2	2DY2	4DX2	8EB2-E	4DX3	6DY2
	2LA2		8EB2-M		6DY3
	2LB2		9DY2		6EA2-E
	2LC2		9DY3		6EA2-M
	2LO3		9EA2		6EB2-E
	2LS2		9EA3		6EB2-M
	2LS3				6LS2
	2RV2-T	4DX3	2DY2		8EB2-E
	4DX2		2LA2		8EB2-M
	4DY2		2LB2		9DY2
	4EA2-E		2LC2		9DY3
	4EA2-M		2LO3		9EA2
	4LS2		2LS2		9EA3
	4RV2-T		2LS3		
	4SF2		2RV2-T	4DY2	2DY2
	4SF3		4DX2		4DY2

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

Compatible CIs

Compatible CIs

Compatible CIs

4DX2 (Cont'd)

6DY2
6DY3
6EA2-E
6EA2-M
6EB2-E
6EB2-M
6LS2

4DX3
4DY2
4EA2-E
4EA2-M
4LS2
4RV2-T
4SF2
4SF3

4EA2-E 2DY2

4DY2
4EA2-E
4EA2-M
4SF2
6DY2
6DY3
6EB2-E
6EB2-M
8EABZ-E
8EB2-M

4EA3-E 2DY2

4DY2
4EA2-E
4EA2-M
4SF2
6DY2
6DY3
6EA2-E
6EA2-M
6EB2-E
6EB2-M

4GO2 2GO2

2GO3
2GS2
2GS3
4GS2
4SF2
6GS2

4GO3 2GO2

2GS2
2GS3

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
4EA2-E (Cont'd)		
9DY2	8EB2-E	4GS2
9DY3	9EB2-M	4SF2
	9DY2	6GS2
4EA2-M	9DY3	
2DY2	9EA2	
4DY2	9EA3	4GS 2GS
4EA2-M		2LS
4SF2		4GS
6DY2		4LS
6DY3		
6EB2-E		
6EB2-M		
8EB2-E		
8EB2-M		
9DY2		
9DY3		
4LO2	2LS2 4LS32LA2 4SF2 2LO3	2LR2
	2LS3	2LS2
	4LS2	2LS3
	4SF2	2RV2-T
	6LS2	4AC2
	2LO3	4DY2
4LO3	4SF2	
2LS2		

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
4LO3 (Cont'd)		
2LS3	4NO2	2DA2
4LS2		2DE2
4SF2		2NO2
6LS2		4DA2
		4DE2
4LR2		4NO2
2LR2		6DA2
4LR2		
4SF2		
	4RV2-O	2RV2-T
4LR3		4RV2-T
2LR2		4SF2
4LR2		
4SF2		
	4SF2	2AC2
4LS2		2DY2
2LA2		2GS2
2LB2		
2LC2		2GS3
2LO2		2LA2
2LO3		2BL2
		2LC2
4SF3	2LS2	6DA
2LS3		4DA2
		6DA2
		6DY3
		2DY2
		4DY2
		4LS2
		4RV2-T
		4SF2
		6DY2
		6DY3
		6GS2
		9DY2
		9DY3
		4SF3
		2DY2
		2GO3
		2GS2
		2GS3
		2LA2
		2LB2
		2LC2
		2LO3
		2LR2

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

Compatible CIs

Compatible CIs

Compatible CIs

4SF3 (Cont'd)

2RV2-T			6DY2
4DY2	6DX2	2DY2	6DY3
4EA2-E		4DY2	
4EA2-M		4EA2-E	6EA2-E 2AC2
4GS2			
4LR2		4EA2-M	2DY2
4LS2		4SF2	2LA2
4RV2-T		6DY2	2LB2
4SF2		6DY3	2LC2
4SF3		6EA2-E	2LO3
6DY2		6EA2-M	2LS2
6DY3		6EB2-E	2LS3
6EB2-E		6EB2-M	2RV2-T
6EB2-M		8EB2-E	4AC2
6GS2		8EB2-M	4DY2
6LS2		9DY2	4EA2-E
9DY2		9DY3	4EA2-M
9DY3		9EA2	4LS2
9EA2		9EA3	4RV2-T
9EA3			4SF2
	6DY2	2DY2	4SF3
4TF2		4DY2	6DY2
2TF2		6DY2	6DY3
4TF2			6EA2-E
			6EA2-M

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
6EA2-E	6EB2-E	6EA2-M	6DY2	6EB3-E	2DY2
	6EB2-M		6DY3		4DY2
	6LS2		6EA2-M		4EA2-E
	8EB2-E		6EB2-E		4EA2-M
	8EB2-M		6EB2-M		4SF2
	9DY2		6LS2		6DY2
	9DY3		8EB2-E		6DY3
			8EB2-M		6EA2-E
6EA2-M	2AC2		9DY2		6EA2-M
	2DY2		9DY3		8EB2-E
	2LA2				8EB2-M
	2LB2	6EB2-E	2DY2		9DY2
	2LC2		4DY2		9DY3
	2LO3		4SF2		9EA2
	2LS2		6DY2		9EA3
	2LS3		6DY3		
	2RV2-T		6EB2-E	6EX2-A	2GS2
	4AC2		6EB2-M		2GS3
	4DY2		9DY2		2LS2
	4EA2-E		9DY3		2LS3
	4EA2-M				4GS2

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
6EA2-M (Cont'd)		
4LS2	6EB2-M 2DY2	4LS2
4RV2-T	4DY2	4SF2
4SF2	4SF2	6GS2
4SF3	6DY2	6LS2
	6DY3	
	6EB2-M	
	9DY2	
	9DY3	
6EX2-B 2GO3	8EB2-E 2AC2	8EB2-M 2AC2
2LA2	2DY2	2DY2
2LB2	2LA2	2LA2
2LC2	2LB2	2LB2
2LO2	2LC2	2LC2
2LO3	2LO3	2LO3
2LR2	2LS2	2LS2
4LR2	2LS3	2LS3
4SF2	2RV2-T	2RV2-T
	4AC2	4AC2
6GO2 2GO2	4DY2	4DY2
2GS2	4LS2	4LS2
2GS3	4RV2-T	4RV2-T

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
6G02 (Cont'd)		
4GS2	4SF2	4SF2
4SF2	4SF3	4SF3
6GS2	6DY2	6DY2
	6DY3	6DY3
6LO2 2LS2	6EB2-E	6EB2-E
2LS3	6EB2-M	6EB2-M
4LS2	6LS2	6LS2
4SF2	8EB2-E	8EB2-M
6LS2	8EB2-M	9DY2
	9DY2	9DY3
6LS2 2LA2	9DY3	
2LB2		
2LC2		
2L02		
2L03		
4SF2		
8EC2 2DY2	9DY2 2DY2	9EA3 2DY2
4DY2	4DY2	4DY2
4EA2-E	6DY2	4EA2-E
4EA2-M	6DY3	4EA2-M
4SF2	9DY2	6DY2
6DY2		6DY3
6DY3	9DY3 2DY2	6EA2-E

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

Compatible CIs

Compatible CIs

Compatible CIs

8EC2 (Cont'd)

6EA2-E
6EA2-M
6EB2-E
6EB2-M
8EB2-E
8EB2-M
9DY2
9DY3
9EA2
9EA3

9EA2

4DY2
6DY2
6DY3
9DY2
9DY3
2DY2
4DY2
4EA2-E
4EA2-M
6DY2
6DY3
6EA2-E
6EA2-M
6EB2-E
6EB2-M
8EB2-E
8EB2-M
9DY2
9DY3
9EA2
9EA3

6EA2-M
6EB2-E
6EB2-M
8EB2-E
8EB2-M
9DY2
9DY3
9EA3

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes
(Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) High Capacity

Compatible CIs

Compatible CIs

4DS8-15	4DS8-15*	4DU8-A,B	4DU8-A,B
	4DU8-B	or C	or C
	6DU8-8		

(C) Digital Data

Compatible CIs

4Du8-56	4DU5-56
6DU5-56	6DU5-56

* Available only as a cross connect of two individual channels of 1.544 Mbps facilities at a Telephone Company hub.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications

11.4.1 Standard Two-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is plus or minus 4.0 dB.

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications (Cont'd)

11.4.1 Standard Two-Wire Voice Transmission Specifications (Cont'd)

(C) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(D) Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0 dB
SRL	3.0 dB

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications (Cont'd)

11.4.2 Standard Four-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -3.0 dB to +3.0 dB.

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -1.0 dB to +4.5 dB.

(C) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications (Cont'd)

11.4.2 Standard Four-Wire Voice Transmission Specifications (Cont'd)

(D) Echo Control

The Equal Level Echo Path Loss for both
Echo Return Loss (ERL) and Singing Return
Loss (SRL), is equal to or greater than:

ERL 15.0 dB
SRL 9.0 dB

11.5 WATS Access Line Data Transmission Parameters

11.5.1 Signal to C-Notched Noise Ratio

The maximum Signal-to-C-Notched Noise Ratio is
30 dB.

11.5.2 Envelope Delay Distortion

The maximum Envelope Delay Distortion for the
frequency bands specified is:

1000microseconds 604 to 2804 Hz

500 microseconds 1000 to 2404 Hz

11.5.3 Impulse Noise Counts

The Impulse Noise Counts exceeding a 67
dBrnCO threshold in 15 minutes is no more than
15 counts.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.5 WATS Access Line Data Transmission Parameters (Cont'd)

11.5.3 Impulse Noise Counts (Cont'd)

(A) Intermodulation Distortion

The Second Order (R2), and Third Order (R3)
Intermodulation Distortion products are
equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

11.5.4 Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band
is less than or equal to 7 degrees peak-to-peak.

11.5.5 Frequency Shift

The maximum Frequency Shift does not exceed
- 2 to +2 Hz.

11.6 WATS Access Line Transmission Specifications

11.6.1 Improved Two-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1004
Hz loss relative to the Expected Measured
Loss (EML) is -4.0 to +4.0 dB.

Continued

ACCESS SERVICE

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.6 WATS Access Line Transmission Specifications (Cont'd)

11.6.1 Improved Two-Wire Voice Transmission Specifications (Cont'd)

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(C) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(D) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services

12.1 Additional Engineering

Additional engineering will be provided by the Telephone Company at the request of the customer when additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in Section 7.2 preceding.

The Telephone Company will notify the customer that additional engineering charges will apply before any additional engineering is undertaken.

12.1.1 Charges For Additional Engineering

The charges for additional engineering are as shown in Section 20.

12.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company. The Telephone Company will notify the customer that additional labor charges will apply before any additional labor is undertaken. Additional labor charges apply to the services described in 12.2.1 through 12.2.5.

Normally scheduled working hours are an employee's scheduled work period on any given business day which totals eight (8) hours.

12.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort outside of normally scheduled working hours.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.2 Additional Labor (Cont'd)

12.2.2 Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

12.2.3 Stand-by

Stand-by includes all time in excess of one-half (½) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer.

12.2.4 Testing and Maintenance with Other Telephone Companies

Additional labor charges apply for additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies. This is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

12.2.5 Other Labor

Other labor is that additional labor incurred to accommodate a specific customer request that involves labor which is not covered by any other section of this tariff. It also covers additional labor necessary to meet customer requests as described in Section 5.2.6.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.2 Additional Labor (Cont'd)

12.2.6 Charges for Additional Labor

The charges for additional labor are as shown in Section 20.

12.3 Miscellaneous Services

12.3.1 Maintenance of Service

(A) When a customer reports a trouble to the Telephone Company for clearance, and the trouble is not in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's premises to when the work is completed.

(B) The charges for Maintenance of Service are as Shown in Section 20.

12.3.2 Programming Services

(A) Programming charges apply when a request by a customer for information concerning the access services provided to the customer result in the creation of new computer software or modification of existing software in order to provide the requested information.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.2 Programming Services (Cont'd)

(A) (Cont'd)

The Telephone Company will notify the customer that additional programming charges will apply before any additional programming is undertaken.

(B) The charges for Programming Service are shown in Section 20.

12.3.3 Presubscription and Preselection

Pursuant to the Federal Communications Commission's Memorandum Opinion and Order, CC Docket No. 83-1145, Phase I, adopted May 31, 1985, and released June 12, 1985, the Allocation Plan, outlined in Appendix B of this Order, will be available for inspection in the Public Reference Room of the Tariff Division at the Federal Communications Commission's Washington D.C. location or may be obtained from the Commission's commercial contractor.

(A) Presubscription is the process by which user customers may select and designate to the Telephone Company an IC to access, without an access code, for Intrastate and Interstate calls. This IC is referred to as the end user's predesignated IC.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

- (B) On the effective date of this tariff, all existing end users have access to intrastate MTS/WATS. The Telephone Company will notify end users in their particular area no later than eighty-five (85) days prior to conversion to Feature Group D in a serving end office. The notification will include the names of all ICs wishing to participate in the presubscription process. This notification will be sent via U.S. Mail to each end user of record served by the end office to be converted.
- (C) End users may select one of the following options at no charge:
- indicate a primary IC for all IntraLATA
 - indicate a primary IC for all Intrastate InterLATA-Interstate
 - indicate a different IC for each of its lines
 - End user may select one option for IntraLATA and one option for Intrastate-InterLATA-Interstate

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

(C) (Cont'd)

Only one IC may be selected for all of its lines, or lines terminating in the same hunt group.

End user may designate that they do not want to presubscribe to any IC. The end user must arrange this designation by directly notifying the Telephone Company's business office. This choice will require the end user to dial 10XXX or other access codes (i.e., 950-0XXX or 950-1XXX) for all calls to all ICs.

After the end user's initial selection of a predesignated IC or the designation that they do not want to presubscribe to any IC, for any change in selection after conversion to equal access in the serving end office, a nonrecurring charge, as set forth in Section 20 following applies.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

- (D) End users not responding to the initial notification will be sent to a second notification for the selection of a predesignated IC no earlier than forty (40) days prior to or no later than ninety (90) days after the conversion to equal access in a serving end office. This second notification will indicate the primary IC that has been assigned to them if they fail to respond to the second notification.

After the allocation process has been completed, end users assigned to an IC via the allocation process may change their IC one time within six months after conversion to equal access in the serving end office at no charge.

Following the six month period after conversion to equal access for any change in selection, a nonrecurring charge as set forth in Section 20 following applies.

- (E) When an end user indicates more than one IC selection for intraLATA or more than one for intrastate interLATA-interstate on the rerun notification or returns an illegible

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

(E) (Cont'd)

return notification, the Telephone Company will contact the end user for clarification. If the end user indicates an IC selection on the return notification that does not match with information provided by an IC and both notifications indicate the same authorization date, the end user's notification takes precedence and the Telephone Company will process the end user's selection. In the event that two or more ICs provide to the Telephone Company notifications with the same authorization date and neither notification has been processed, the Telephone Company will contact the end user for clarification. A list of these customers in conflict must be sent to the affected IC by the Telephone Company.

In the event that two or more ICs have provided to the Telephone Company notifications with the same authorization date(s), and one IC notification has already been processed by the Telephone Company, those IC notifications not yet processed would be returned to the ICs.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

(F) New end users who are served by end offices equipped with Feature Group D will be asked to presubscribe to an IC at the time they place an order with the Telephone Company for Telephone Exchange Service. They may select either of the following options. There will be no charge for this initial selection.

- designate a primary IC for all intraLATA
- designate a primary IC for all intrastate interLATA-interstate
- designate a different IC for each of its lines
- end user may select one option for intraLATA and one option for intrastate-interLATA-interstate

Only one IC may be selected for each individual line, or lines terminating in the same hunt group. Subsequent to the installation of Telephone Exchange Service and after the end user's initial selection of a predesignated IC, for any change in selection, a nonrecurring charge, as set forth in Section 20 following applies.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

- (G) If the new end user fails to designate an IC as its predesignated IC prior to the date of installation of Telephone Exchange Service, the Telephone Company will either allocate the end user to an IC based upon current IC presubscription ratios, or require the end user to dial 10XXX or other access codes (i.e., 950-0XXX or 950-1XXX) for all calls to all ICs. The end user will be notified which option will be applied if they fail to presubscribe to an IC. The end user may designate another, or initial, IC as its predesignated IC one time at no charge, if it is requested within six months after the installation of Telephone Exchange Service.

For any change in selection after six months from the installation of Telephone Exchange Service, a nonrecurring charge, as set forth in Section 20 following applies.

- (H) If an IC elects to discontinue its Feature Group D Service offering prior to or within two years of the conversion, the IC will notify the Telephone Company of the cancellation. The IC will also notify all end users which selected them that they are

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.3 Presubscription and Preselection (Cont'd)

(H) (Cont'd)

cancelling their service and that they should contact the Telephone Company to select a new primary IC.

The IC will also inform the end user that it will pay the presubscription change charge. The cancelling IC will be billed by the Telephone Company the appropriate charge for each end user for a period of two years from the discontinuance of Feature Group D Service.

- (I) The presubscription charge is billed to the end user who is the subscriber to the Telephone Exchange Service. In the event an end user is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event an end user is incorrectly presubscribed due to misassignment on the part of the IC, and the IC is unable to document such an assignment, the Telephone Company will apply the charge to the IC responsible for the misassignment of the end user and assign the end user to an IC of the end user's choice.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.4 Testing Services

Testing service other than those described in other parts of this tariff will be provided at the hourly rates described if requested by the customer. Testing will be provided subject to the availability of equipment and qualified personnel.

12.3.5 International Blocking Service

The Telephone Company will provide International Blocking Service to customers who obtain local exchange service from the Telephone Company and to customers who obtain Feature Group A Switched Access service under this tariff. This service is only provided at appropriately equipped Telephone Company end offices.

On each line or trunk on which International Blocking Service is ordered, the Telephone Company will block all international direct dialed calls that use the call sequence of 011 + or 10XXX - 011 +. When capable, the Telephone Company will route the blocked calls to a recorded message.

Continued

ACCESS SERVICE

12. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

12.3. Miscellaneous Services (Cont'd)

12.3.5 International Blocking Service (Cont'd)

An International Blocking Service charge per order as set forth in Section 20 following is applicable for each new or existing exchange line or trunk or Feature Group A Switched Access line to which International Blocking Service is added or removed. This charge does not apply when blocking is removed from an exchange line or trunk or Feature Group A Switched Access line that is disconnected

Continued

ACCESS SERVICE

13. Mileage Measurement

13.1 General Description

The Telephone Company will provide Mileage Measurement and Serving Wire Center V and H Coordinates for Local Access and Transport Areas (LATAs) and Market Areas (MAs) necessary to compute the mileage on which certain Access Service rates are based.

13.2 Mileage Measurement

The methods utilized for the determination of Mileage Measurement and Serving Wire Center V and H Coordinates for Local Access and Transport Areas (LATAs) and Market Areas (MAs) are the same as those set forth in Section 14 of the Pacific Bell Intrastate Tariff No. 175-T.

Continued

ACCESS SERVICE

4. Special Construction

14.1 General

This section addresses special construction of Telephone Company facilities which are used to provide services offered under this tariff.

When special construction is required as described in 14.2 following, the provisions of this section apply in addition to regulations, rates, and charges set forth in other sections of this tariff.

Regulations and rates will be added to this tariff for each specific application of Special Construction. The customer will provide written authorization to the Telephone Company prior to the commencement of any Special Construction.

14.2 Conditions Requiring Special Construction

Special construction is required when suitable facilities are not available to meet a customer's order for service and one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities constructed at the customer's request;
- The customer requests that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would otherwise utilize in furnishing the requested service;

Continued

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Conditions Requiring Special Construction (Cont'd)

- The customer requests the construction of more facilities than are required to satisfy its order for service;
- The customer requests construction be expedited resulting in added cost to the Telephone Company;
- The customer requests that temporary facilities be constructed until permanent facilities are available.

14.3 Payment of Charges

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service tariff.

Continued

ACCESS SERVICE

16. Reserved for future use

Continued

ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

Continued

ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

Continued

ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

16. Reserved for future use

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ACCESS SERVICE

15. Reserved for future use

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ACCESS SERVICE

15. Reserved for future use

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ACCESS SERVICE

15. Reserved for future use

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ACCESS SERVICE

15. Reserved for future use

Continued

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ACCESS SERVICE

15. Reserved for future use

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ACCESS SERVICE

15. Reserved for future use

Continued

ACCESS SERVICE

15. Reserved for future use

Continued

ACCESS SERVICE

15. Reserved for future use

Continued

ACCESS SERVICE

15. Reserved for future use

Continued

ACCESS SERVICE

15. Reserved for future use

Continued

ACCESS SERVICE

17. Temporary Surcharge

Application of Surcharge

Applicable to all Intrastate Access services (i.e., Switched and Special Access Services).

(C)
|
(C)

Rates and Charges

A surcharge will be applied to all Access telecommunications intrastate Access Services, both within a service area and between service areas. This includes intrastate Switched Access, Special Access, Billing & Collection services, contracts entered into or reviewed after January 1, 2006 and all Access rates and charges. This percentage surcharge will take effect on the effective date of this tariff, and remain in effect for 12 months or until recovery of the \$188,000, whichever is sooner. This surcharge applies to all monthly service billed in advance and for all usage billed after the effective date of this tariff. The surcharge applies to all recurring and nonrecurring rates and charges for services provided by the utility to Intrastate Access customers.

Rates and Charges can be found in Section 20 following.

ACCESS SERVICE

17. Reserved for future use

Continued

ACCESS SERVICE

17. Reserved for future use

Continued

ACCESS SERVICE

17. Reserved for future use

Continued

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ACCESS SERVICE

17. Reserved for future use

Continued

ACCESS SERVICE

17. Reserved for future use

Continued

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ACCESS SERVICE

17. Reserved for future use

Continued

ACCESS SERVICE

17. Reserved for future use

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ACCESS SERVICE

17. Reserved for future use

Continued

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ACCESS SERVICE

17. Reserved for future use

Continued

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ACCESS SERVICE

18. Reserved for future use

(D)

(D)

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ACCESS SERVICE

18. Reserved for future use

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ACCESS SERVICE

18. Reserved for future use

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ACCESS SERVICE

18. Reserved for future use

18. Reserved for future use

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ACCESS SERVICE

Continued

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ACCESS SERVICE

18. Reserved for future use

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ACCESS SERVICE

18. Reserved for future use

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18. Reserved for future use

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18. Reserved for future use

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ACCESS SERVICE

18. Reserved for future use

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19. Reserved for future use

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ACCESS SERVICE

19. Reserved for future use

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19. Reserved for future use

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19. Reserved for future use

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ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.1 End User Access Service

20.1.1 End User Common Line (EUCL) - Business

Regulations concerning End User Common Line (EUCL) are set forth in Section 4 preceding.

The End User Common Line rates can be found in Citizens' FCC Tariff No. 1.

20.2 Switched Access Service

Regulations concerning Switched Access Service are set forth in Section 6 preceding.

Exceptions to Switched Access rates listed in the Telephone Company's Interstate tariff are as follows:

20.2.1 Rate Exceptions

	<u>Originating</u>	<u>Terminating*</u>
** LOCAL SWITCHING SERVICE		
CATEGORY **		
Local Switching (LS1) – Non 800/888	\$0.01150258	*
Local Switching (LS2) – Non 800/888	\$0.01150258	*
Operator Transfer Service	\$0.30	
** TANDEM SWITCHED TRANSPORT		
SERVICE CATEGORY **		
Tandem Switched Transport	\$0.01733090	*
Termination – Non 800/888		
** DATA BASE ACCESS **		
800 DB Query, Basic		*

* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

(D)

(D)

Continued

U-1024-C

Cancels Original Sheet 650

ACCESS SERVICE

20. Rates and Charges (Cont'd)

(D)

(D)

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service

20.3.1 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.4 preceding.

(A) Channel Termination per Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>1st</u>	<u>Add'l</u>
Two-Wire	\$133.60	\$596.00	\$525.00
Four-Wire	\$169.60	\$596.00	\$525.00

(I)
(I)

(B) Channel Mileage

(1) Channel
Mileage
Facility
per mile

\$ 36.96

(I)

(2) Channel
Mileage
Termination,
per
Termination

\$100.00

(I)

(C) Optional Features and Functions

(1) Central Office
Bridging
Capability
per Port

\$13.04

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.1 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

	Monthly Rate
(2) Conditioning per Termination	
- C Type	\$33.10
- Improved Attenuation Distortion*	None
- Improved Envelope Delay Distortion*	None
- Data Capability	None
- Sealing	None
(3) Improved Return Loss for Effective Two-Wire or Four Wire Transmission, per Termination	\$51.72

(I)

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.1 Voice Grade Service (Cont'd)

(C) Optional Features
and Functions (Cont'd)

	<u>Monthly Rate</u>
(4) Customer Specified Receive Level, per Termination	\$ 18.04
(5) Signaling Capability, per Termination	\$ 30.45

(I)

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.2 Citizens Digital Network

Regulations concerning Citizens Digital Network are set forth in Section 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>1st</u> <u>Add'l</u>
(A) <u>Channel Termination</u> per Termination			
2.4 kbps	\$200.00	\$630.00	\$630.00
4.8 kbps	\$200.00	\$630.00	\$630.00
9.6 kbps	\$200.00	\$630.00	\$630.00
19.2 kbps	\$200.00	\$630.00	\$630.00
56.0 kbps	\$200.00	\$630.00	\$630.00
(B) <u>Channel Mileage</u> (1) Channel Mileage Facility, per mile			
2.4 kbps	\$ 36.96		
4.8 kbps	\$ 36.96		
9.6 kbps	\$ 36.96		
19.2 kbps	\$ 36.96		
56.0 kbps	\$ 36.96		

(I)

(I)

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.2 Citizens Digital Network (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination, per Termination	Monthly Rate
	2.4 kbps	\$45.08
	4.8 kbps	\$45.08
	9.6 kbps	\$45.08
	19.2 kbps	\$45.08
	56.0 kbps	\$45.08

(I)
|
(I)

(C) Optional Features
and Functions

(1) Bridging per Port \$6.00

(2) Secondary Channel,
per Station

133 bps	ICB
266 bps	ICB
533 bps	ICB
2666 bps	ICB

Continued

Advice Letter No. 1398
Decision No. _____

Issued By:
Director of Regulatory

Date Filed: April 30, 2026
Effective: June 1, 2026

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.3 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination, per Termination</u>		
1.544		
- at an End User location	\$700.00 (I)	\$725.00
- at an IC POT locations	\$ 75.00	\$725.00
6.312 Mbps	ICB	ICB
44.736 Mbps	ICB	ICB
(B) <u>Channel Mileage</u>		
(1) <u>Channel Mileage Facility, per Mile</u>		
63 kbps*	ICB	
1.544 Mbps	\$100.00	(I)
6.312 Mbps	ICB	
44.736 Mbps	ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and kbps.

Continued

Advice Letter No. 1398
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ACCESS SERVICE			
20.	<u>Rates and Charges</u>	(Cont'd)	
20.3	<u>Special Access Service</u>	(Cont'd)	
20.3.3	<u>High Capacity Service</u>	(Cont'd)	
	(B) <u>Channel Mileage</u>	(Cont'd)	
			<u>Monthly Rate</u>
	(2) Channel Mileage Termination, per Termination		
	64 kbps*		ICB
	1.544 Mbps	\$500.00	(I)
	6.312 Mbps		ICB
	44.736 Mbps		ICB
	(C) <u>Optional Features and Functions</u>		
	(1) Multiplexing, per Arrangement		
	DS3 To DS1		ICB
	DS2 To DS1		ICB
	DS1 To Voice**	\$1,798.56	(I)
	DS1 to DS0	\$449.64	
	DS0 to Subrates		
	Up to 20 2.4 kbps services		ICB
	Up to 10 4.8 kbps services		ICB
	Up to 5 9.6 kbps services		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

**A channel of this DS1 to the Hub can be used for Citizens Digital Network.

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Special Access Service (Cont'd)

20.3.3 High Capacity Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

	<u>Monthly Rate</u>
(2) Automatic Loop Transfer, per Arrangement*	ICB
per Termination	\$103.00
Automatic Loop Transfer	ICB

An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

20.4 Special Federal Government Access Services Offerings

20.4.1 Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as

* An Additional Channel termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.1 Voice Grade Special Access Service (Cont'd)

Special Access Service. In addition to the rates and charges shown below, appropriate channel termination and mileage rates and charges for narrowband or voice grade services, where required, apply as set forth in 20.3.1 preceding.

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Type 1, each T-3 Conditioning,	ICB	ICB
Additional Conditioning per service Termination	ICB	ICB
Type II, each G-1 Conditioning, per service termination	ICB	ICB
Type III, each G-2 Conditioning, per service termination	ICB	ICB
Type IV, each G-3 Conditioning, per service termination	ICB	ICB

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.2 Special Routing Access Service

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service.

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) Special Routing Access Service Area Plan -Setup and Removal, Per End Office or Tandem Office Switching System. (Note 1) (Note 2)	ICB	ICB
(B) Special Routing Access Service Trunk Group Setup and Removal, Per End Office Switching System, Per Occurrence. (Note 1) (Note 2)	ICB ICB	ICB ICB
(C) Activation or deactivation of Special Routing Access Service, Per End Office or Tandem Office Switching System, Per Occurrence	ICB	ICB

(Note 1) The service setups will only be activated in offices that are specially negotiated by the customer with the Telephone Company and are mutually agreeable between both parties.

(Note 2) End Offices will be updated for activation and /or deactivation annually.

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.2 Special Routing Access Service (Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(D) Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Initial Activation Hour	ICB*	ICB
(E) Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Subsequent 1/2 Hour	ICB*	ICB
(F) Special Routing Access Service Maintenance and Administration, Per End Office or Tandem Office Switching System, Per Month	ICB	ICB

* This rate is in addition to Trunk Side Premium Access Service rates which apply on an ongoing basis whether SRAS is activated or not.

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.3 Telecommunications Service Priority (TSP) System

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff which operate in conjunction with the TSP System.

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) Priority Installation (PI) of an Access Service - Invocation Includes System Development, Verification, Confirmation and Preemption*		
Prime Service		
Vendor		
Subcontractor	ICB	ICB
(1) Expedited (Emergency or Essential		Regulations, rates and charges are the same as those set forth for the Switched or Special Access Service for which PI is required.

* When an Access Service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.3 Telecommunications Service Priority (TSP) System
(Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) (Cont'd)		
(2) Utilizing Specially Constructed Facilities	Regulations, rates and charges are the same as as those set forth in Section 14 for Special Construction of the facilities for Switched Access Service for which PI is required.	
(B) Priority Restoration (PR) Level Implementation on an Access Service		
(1) When PR level is implemented -includes System Development, Verification and Confirmation*		

* When an Access Service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.3 Telecommunications Service Priority (TSP) System (Cont'd)

		<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(B)	(Cont'd)		
(1)	(Cont'd)		
	Prime Service Vendor	ICB	ICB
	Subcontractor	ICB	ICB
(2)	When the PR level is changed on an associated working Access Service - includes Verification and Confirmation		
	Prime Service Vendor	ICB	ICB
	Subcontractor	ICB	ICB

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.4 Special Federal Government Access Services Offerings (Cont'd)

20.4.3 Telecommunications Service Priority (TSP) System (Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(B) (Cont'd)		
(3) Administrative and maintenance of PR Service - includes Reconciliation and Preemption		
Prime Service Vendor	ICB	ICB
Subcontractor	ICB	ICB

20.5 Miscellaneous Services

	<u>Basic Time, Scheduled Working Hours</u>	<u>Overtime, Outside Scheduled Working Hours</u>	<u>Premium Time, Outside Schedule Working Hours</u>
20.5.1 <u>Additional Engineering Periods</u>			
per Engineer, 1/2 hour or fraction thereof,	\$30.19	\$45.29	\$60.38

Continued

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.5 Miscellaneous Services (Cont'd)

		Basic Time, Scheduled Working <u>Hours</u>	Overtime, Outside Scheduled Working Hours	Premium Time, Outside Schedule Working Hours
20.5.2	<u>Additional Labor - Installation</u> per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
20.5.3	<u>Maintenance and Testing</u> per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
20.5.4	<u>Standby</u> per Technician, 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02

Continued

Advice Letter No. CA-95-001
Decision No. _____

Issued By:
F. Wayne Lafferty
Director of Regulatory

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ACCESS SERVICE

20. Rates and Charges (Cont'd)

20. Rates and Charges (Cont'd)

20.5 Miscellaneous Services (Cont'd)

	Basic Time, Scheduled Working Hours	Overtime, Outside Scheduled Working Hours	Premium Time, Outside Schedule Working Hours
20.5.5 <u>Programming Services</u>			
per Programmer 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
			<u>Nonrecurring Charge</u>
20.5.6 Presubscription Charge Change			\$5.00
20.5.7 Design Blocking Measurement			ICB

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.5 Miscellaneous Services (Cont'd)

		<u>Nonrecurring Charge</u>	
20.5.8	<u>Service Data Change</u> Per order	\$23.00	
20.5.9	<u>Design Change</u> Per order	\$23.00	
20.5.10	<u>Surcharges</u>		
	CHCF-B Surcharge	(1)	
	Temporary Surcharge	0.00%	(R)
	Special Access Surcharge	None	

20.6 Billing and Collection

		<u>Rates</u>
20.6.1	<u>Recording,</u> per Message	\$.01
20.6.2	<u>Rating,</u> per Message	\$.01
20.6.3	<u>Bill Processing,</u> per Message	\$.01
20.6.4	<u>Bill Rendering,</u> per Bill Rendered	\$.19
20.6.5	<u>CMD5 II,</u> per Sampled Message	None
20.6.6	<u>Inquiry,</u> per Message	\$.02

(1) Refer to the Pacific Bell (d.b.a. SBC California) tariffs for the surcharge rate.

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.6 Billing and Collection (Cont'd)

	<u>Rates</u>
20.6.7 <u>Data Transmission,</u> per Record Transmittal	None
20.6.8 <u>Record Keeping,</u> per Customer Account	\$.03
20.6.9 <u>Provision of Message Detail,</u> per Magnetic Tape	\$ 50.00

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area

21.1 End User Access Service

21.1.1 End User Common Line (EUCL) - Business

Regulations concerning End User Common Line (EUCL) are set forth in Section 4 preceding.

The End User Common Line Rates can be found in Citizens' FCC Tariff No. 1.

21.2 Switched Access Service

Regulations concerning Switched Access Service are set forth in Section 6 preceding.

Exceptions to Switched Access rates listed in the Telephone Company's Interstate tariff are as follows:

21.2.1 Rate Exceptions

	<u>Originating</u>	<u>Terminating*</u>
** LOCAL SWITCHING SERVICE		
CATEGORY **		
Local Switching (LS1) – Non 800/888	\$0.02546046	*
Local Switching (LS2) – Non 800/888	\$0.02546046	*
Operator Transfer Service	\$0.30	
** TANDEM SWITCHED TRANSPORT		
SERVICE CATEGORY **		
Tandem Switched Transport		
Termination – Non 800/888	\$0.00981129	*
** DATA BASE ACCESS **		
800 DB Query, Basic	*	

* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

(D)

(D)

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

(D)

(D)

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

21.3 Special Access Service

21.3.1 Voice Grade Service

Regulations concerning Voice Grade Service
 are set forth in Section 7.4 preceding.

(A) Channel Termination per Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>1st</u>	<u>Add'l</u>
Two-Wire	\$ 133.60	\$ 596.00	\$525.00 (I)
Four-Wire	\$ 169.60	\$ 596.00	\$525.00 (I)

(B) Channel Mileage

(1) Channel
 Mileage
 Facility
 per Mile

\$ 36.96

(I)

(2) Channel
 Mileage
 Termination,
 per
 Termination

\$ 100.00

(I)

(C) Optional Features and Functions

(1) Central Office
 Bridging
 Capability
 per Port

\$ 13.04

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.3 Special Access Service (Cont'd)

21.3.1 Voice Grade Service (Cont'd)

(C) Optional Features
and Functions (Cont'd)

Monthly
Rate

(2) Conditioning, per
Termination

- | | | |
|---|--|----------|
| - | C Type | \$ 33.10 |
| - | Improved Attenuation
Distortion* | None |
| - | Improved Envelope
Delay Distortion* | None |
| - | Data Capability | None |
| - | Sealing Current | None |

- | | | |
|-----|---|----------|
| (3) | Improved Return Loss for
Effective Two-Wire or
Four-Wire Transmission,
per Termination | \$ 12.93 |
|-----|---|----------|

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.3 Special Access Service (Cont'd)

21.3.1 Voice Grade Service (Cont'd)

(C) Optional Features Monthly
and Functions (Cont'd) Rate

(4) Customer Specified
Receive Level,
per Termination \$ 4.51

(5) Signaling Capability,
per Termination \$ 30.45

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

21.3 Special Access Service (Cont'd)

21.3.2 Citizens Digital Network

Regulations concerning Citizens Digital Network are set forth in Section 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>1st</u>	<u>Add'l</u>
(A) <u>Channel Termination, per Termination</u>			
2.4 kbps	\$ 200.00	\$ 630.00	\$ 630.00
4.8 kbps	\$ 200.00	\$ 630.00	\$ 630.00
9.6 kbps	\$ 200.00	\$ 630.00	\$ 630.00
19.2 kbps	\$ 200.00	\$ 630.00	\$ 630.00
56.0 kbps	\$ 200.00	\$ 630.00	\$ 630.00
(B) <u>Channel Mileage</u>			
(1) <u>Channel Mileage Facility, per Mile</u>			
2.4 kbps	\$ 9.24		
4.8 kbps	\$ 9.24		
9.6 kbps	\$ 9.24		
19.2 kbps	\$ 9.24		
56.0 kbps	\$ 9.24		

(I)
—
(I)

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

21.3 Special Access Service (Cont'd)

21.3.2 Citizens Digital Network (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination, per Termination	Monthly Rate	
2.4 kbps	\$ 45.08	(I)
4.8 kbps	\$ 45.08	
9.6 kbps	\$ 45.08	
19.2 kbps	\$ 45.08	
56.0 kbps	\$ 45.08	(I)

(C) Optional Features and Functions

(1) Bridging per Port \$ 6.00

(2) Secondary Channel, per Station

133 bps	ICB
266 bps	ICB
533 bps	ICB
2666 bps	ICB

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

21.3 Special Access Service (Cont'd)

21.3.3 High Capacity Service

Regulations concerning High Capacity Service
 are set forth in Section 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination, per Termination</u>		
1.544 Mbps		
- at an End User location	\$700.00 (I)	\$633.50
- at an IC POT locations	\$ 75.00	\$633.50
6.312 Mbps	ICB	ICB
44.736 Mbps	ICB	ICB
(B) <u>Channel Mileage</u>		
(1) <u>Channel Mileage Facility, per Mile</u>		
63 kbps*		ICB
1.544 Mbps	\$	100.00 (I)
6.312 Mbps		ICB
44.736 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and kbps.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd)

21.3 Special Access Service (Cont'd)

21.3.3 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

Monthly Rate

(2) Channel Mileage Termination, per Termination		
64 kbps*	ICB	
1.544 Mbps	\$ 500.00	(I)
6.312 Mbps	ICB	
44.736 Mbps	ICB	

(C) Optional Features and Functions

(1) Multiplexing, per Arrangement		
DS3 to DS1	ICB	
DS2 to DS1	ICB	
DS1 to Voice**	\$ 449.64	
DS1 to DS0	\$ 449.64	
DS0 to Subrates		
Up to 20 2.4 kbps services	ICB	
Up to 10 4.8 kbps services	ICB	
Up to 5 9.6 kbps services	ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

** A channel of this DS1 to the Hub can be used for Citizens Digital Network.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.3 Special Access Service (Cont'd)

21.3.3 High Capacity Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

Monthly Rate

(2) Automatic Loop Transfer, per Arrangement*	ICB
per Termination	\$ 103.00
Automatic Loop Transfer	ICB

An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

21.4 Special Federal Government Access Services Offerings

21.4.1 Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as

* An Additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.1 Voice Grade Special Access Service (Cont'd)

Special Access Service. In addition to the rates and charges shown below, appropriate channel termination and mileage rates and charges for narrowband or voice grade services, where required, apply as set forth in 21.3.1 preceding.

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Type I, each T-3 Conditioning,	ICB	ICB
Additional Conditioning per service termination	ICB	ICB
Type II, each G-1 Conditioning, per service termination	ICB	ICB
Type III, each G-2 Conditioning, per service termination	ICB	ICB
Type IV, each G-3 Conditioning, per service termination	ICB	ICB

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.2 Special Routing Access Service

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service.

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) Special Routing Access Service Area Plan-Setup and Removal, Per End Office or Tandem Office Switching System. (Note 1) (Note 2)	ICB	ICB
(B) Special Routing Access Service Trunk Group Setup and Removal, Per End Office Switching System, Per Occurrence. (Note 1) (Note 2)	ICB	ICB
(C) Activation or Deactivation of Special Routing Access Service, Per End Office or Tandem Office Switching System, Per Occurrence	ICB	ICB

(Note 1) The service setups will only be activated in offices that are specifically negotiated by the customer with the Telephone Company and are mutually agreeable between both parties.

(Note 2) End Offices will be updated for activation and/or deactivation annually.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.2 Special Routing Access Service (Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(D) Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Initial Activation Hour	ICB*	ICB
(E) Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Subsequent 1/2 Hour	ICB*	ICB
(F) Special Routing Access Service Maintenance and Administration, Per End Office or Tandem Office Switching System, Per Month	ICB	ICB

* This rate is in addition to Trunk Side Premium Access Service rates which apply on an ongoing basis whether SRAS is activated or not.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.3 Telecommunications Service Priority (TSP) System

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff which operate in conjunction with the TSP System.

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) Priority Installation (PI) of an Access Service - Invocation Includes System Development, Verification, Confirmation and Preemption*		
Prime Service Vendor		
Subcontractor	ICB	ICB
(1) Expedited (Emergency or Essential)		
	Regulations, rates and charges are the same as those set forth for the Switched or Special Access Service for which PI is required.	

* When an Access Service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.3 Telecommunications Service Priority (TSP) System
(Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
--	------------------------------	---------------------------------

(A) (Cont'd)

(2) Utilizing
Specially
Constructed
Facilities

Regulations, rates and charges
are the same as those set forth
in Section 14 for Special
Construction of the facilities
for Switched Access Service
for which PI is required.

(B) Priority
Restoration
(PR) Level
Implementation
on an Access
Service

(1) When PR level is
implemented - includes
System Development,
Verification and
Confirmation*

* When an Access Service is ordered with both PI and PR, the associated
nonrecurring charge for PR applies.

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.3 Telecommunications Service Priority (TSP) System
(Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(B) (Cont'd)		
(1) (Cont'd)		
Prime Service Vendor	ICB	ICB
Subcontractor	ICB	ICB
(2) When the PR level is changed on an associated working Access Service - includes Verification and Confirmation		
Prime Service Vendor	ICB	ICB
Subcontractor	ICB	ICB

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.4 Special Federal Government Access Services Offerings (Cont'd)

21.4.3 Telecommunications Service Priority (TSP) System (Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
--	------------------------------	---------------------------------

(B) (Cont'd)

(3) Administrative
and maintenance
of PR Service -
includes
Reconciliation and
Preemption

Prime Service
Vendor

ICB

ICB

Subcontractor

ICB

ICB

21.5 Miscellaneous Services

Basic Time,
Scheduled
Working
Hours

Overtime,
Outside
Scheduled
Working Hours

Premium Time,
Outside
Schedule
Working Hours

21.5.1 Additional Engineering Periods

per Engineer,
1/2 hour or
fraction
thereof,

\$30.19

\$45.29

\$60.38

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.5 Miscellaneous Services (Cont'd)

		Basic Time, Scheduled Working Hours	Overtime, Outside Scheduled Working Hours	Premium Time, Outside Schedule Working Hours
21.5.2	<u>Additional Labor - Installation</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
21.5.3	<u>Maintenance and Testing</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
21.5.4	<u>Standby</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.5 Miscellaneous Services (Cont'd)

		<u>Basic Time, Scheduled Working Hours</u>	<u>Overtime, Outside Scheduled Working Hours</u>	<u>Premium Time, Outside Schedule Working Hours</u>
21.5.5	<u>Programming Services</u> per Programmer 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
				<u>Nonrecurring Charge</u>
21.5.6	Presubscription Change Charge			\$ 5.00
21.5.7	Design Blocking Measurement			ICB

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.5 Miscellaneous Services (Cont'd)

		<u>Nonrecurring Charge</u>
21.5.8	<u>Service Date Change</u> Per order	\$23.00
21.5.9	<u>Design Change</u> Per order	\$23.00
21.5.10	<u>Surcharges</u> Special Access Surcharge	None

21.6 Billing and Collection

		<u>Rates</u>
21.6.1	<u>Recording,</u> per Message	\$.01
21.6.2	<u>Rating,</u> per Message	\$.01
21.6.3	<u>Bill Processing,</u> per Message	\$.01
21.6.4	<u>Bill Rendering,</u> per Bill Rendered	\$.19
21.6.5	<u>CMDS II,</u> per Sampled Message	None
21.6.6	<u>Inquiry,</u> per Message	\$.02

Continued

ACCESS SERVICE

21. Rates and Charges - Golden State Study Area (Cont'd) (T)

21.6	<u>Billing and Collection</u> (Cont'd)	<u>Rates</u>
21.6.7	<u>Data Transmission,</u> per Record Transmittal	None
21.6.8	<u>Record Keeping,</u> per Customer Account	\$.03
21.6.9	<u>Provision of Message Detail,</u> per Magnetic Tape	\$50.00

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area

22.1 End User Access Service

22.1.1 End User Common Line (EUCL) - Business

Regulations concerning End User Common Line (EUCL) are set forth in Section 4 preceding.

The End User Common Line Rates can be found in Citizens' FCC Tariff No. 1.

22.2 Switched Access Service

Regulations concerning Switched Access Service are set forth in Section 6 preceding.

Exceptions to Switched Access rates listed in the Telephone Company's Interstate tariff are as follows:

22.2.1 Rate Exceptions

	<u>Originating</u>	<u>Terminating*</u>	
** LOCAL SWITCHING SERVICE			
CATEGORY **			
Local Switching (LS1) – Non 800/888	\$0.00610791	*	
Local Switching (LS1) – 800/888	\$0.00000000	*	(R)
Local Switching (LS2) – Non 800/888	\$0.00610791	*	
Local Switching (LS2) – 800/888	\$0.00000000	*	(R)
** TANDEM SWITCHED TRANSPORT			
SERVICE CATEGORY **			
Tandem Switched Transport			
Termination – Non 800/888	\$0.00998176	*	
** DATA BASE ACCESS **			
800 DB Query, Basic		*	

* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Con't)

(D)

(D)

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(D)

(D)

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

22.3 Special Access Service

22.3.1 Voice Grade Service

Regulations concerning Voice Grade Service
 are set forth in Section 7.4 preceding.

(A) Channel Termination
per Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>1st</u>	<u>Add'l</u>
Two-Wire	\$ 33.40	\$ 596.00	\$525.00
Four-Wire	\$ 169.60 (I)	\$ 596.00	\$525.00

(B) Channel Mileage

(1) Channel Mileage Facility per Mile	\$ 36.96	(I)
--	----------	-----

(2) Channel Mileage Termination, per Termination	\$ 100.00	(I)
--	-----------	-----

(C) Optional Features
and Functions

(1) Central Office Bridging Capability per Port	\$ 13.04
--	----------

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.3 Special Access Service (Cont'd)

22.3.1 Voice Grade Service (Cont'd)

(C) Optional Features
and Functions (Cont'd)

Monthly
Rate

(2) Conditioning, per
Termination

-	C Type	\$ 33.10
-	Improved Attenuation Distortion*	None
-	Improved Envelope Delay Distortion*	None
-	Data Capability	None
-	Sealing Current	None

(3)	Improved Return Loss for Effective Two-Wire or Four-Wire Transmission, per Termination	\$ 12.93
-----	---	----------

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.3 Special Access Service (Cont'd)

22.3.1 Voice Grade Service (Cont'd)

(C)	<u>Optional Features and Functions</u> (Cont'd)	<u>Monthly Rate</u>
(4)	Customer Specified Receive Level, per Termination	\$ 4.51
(5)	Signaling Capability, per Termination	\$ 30.45

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

23.2 Special Access Service (Cont'd)

22.3.2 Citizens Digital Network

Regulations concerning Citizens
Digital Network are set forth in
Section 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>1st</u>	<u>Add'l</u>
(A) <u>Channel Termination, per Termination</u>			
2.4 kbps	\$ 50.00	\$ 630.00	\$ 630.00
4.8 kbps	\$ 50.00	\$ 630.00	\$ 630.00
9.6 kbps	\$ 50.00	\$ 630.00	\$ 630.00
19.2 kbps	\$ 50.00	\$ 630.00	\$ 630.00
56.0 kbps	\$ 50.00	\$ 630.00	\$ 630.00
(B) <u>Channel Mileage</u>			
(1) <u>Channel Mileage Facility, per Mile</u>			
2.4 kbps	\$ 36.96	(I)	
4.8 kbps	\$ 36.96		
9.6 kbps	\$ 36.96		
19.2 kbps	\$ 36.96		
56.0 kbps	\$ 36.96	(I)	

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.3 Special Access Service (Cont'd)

22.3.2 Citizens Digital Network (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination, per Termination	Monthly <u>Rate</u>
2.4 kbps	\$ 11.27
4.8 kbps	\$ 11.27
9.6 kbps	\$ 11.27
19.2 kbps	\$ 11.27
56.0 kbps	\$ 11.27

(C) Optional Features and Functions

(1) Bridging per Port \$ 6.00

(2) Secondary Channel, per Station

133 bps	ICB
266 bps	ICB
533 bps	ICB
2666 bps	ICB

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.3 Special Access Service (Cont'd)

22.3.3 High Capacity Service

Regulations concerning High Capacity Service
are set forth in Section 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination, per Termination</u>		
1.544 Mbps		
- at an End User location	\$175.00	\$633.50
- at an IC POT locations	\$ 75.00	\$633.50
6.312 Mbps	ICB	ICB
44.736 Mbps	ICB	ICB
(B) <u>Channel Mileage</u>		
(1) Channel Mileage Facility, per Mile		
63 kbps*		ICB
1.544 Mbps	\$ 25.00	
6.312 Mbps		ICB
44.736 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and kbps.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.3 Special Access Service (Cont'd)

22.3.3 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

Monthly Rate

(2) Channel Mileage
Termination,
per Termination

64 kbps*	ICB
1.544 Mbps	\$ 125.00
6.312 Mbps	ICB
44.736 Mbps	ICB

(C) Optional Features and Functions

(1) Multiplexing,
per Arrangement

DS3 to DS1	ICB
DS2 to DS1	ICB
DS1 to Voice**	\$ 449.64
DS1 to DS0	\$ 449.64

DS0 to Subrates

Up to 20 2.4 kbps services	ICB
Up to 10 4.8 kbps services	ICB
Up to 5 9.6 kbps services	ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

** A channel of this DS1 to the Hub can be used for Citizens Digital Network.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.3 Special Access Service (Cont'd)

22.3.3 High Capacity Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

Monthly Rate

(2) Automatic Loop Transfer,
per Arrangement*

ICB

per Termination \$ 103.00

Automatic Loop Transfer

ICB

An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

22.4 Special Federal Government Access Services Offerings

22.4.1 Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as

* An Additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.4 Special Federal Government Access Services Offerings (Cont'd)

22.4.1 Voice Grade Special Access Service (Cont'd)

Special Access Service. In addition to the rates and charges shown below, appropriate channel termination and mileage rates and charges for narrowband or voice grade services, where required, apply as set forth in 20.3.1 preceding.

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Type I, each T-3 Conditioning,	ICB	ICB
Additional Conditioning per service termination	ICB	ICB
Type II, each G-1 Conditioning, per service termination	ICB	ICB
Type III, each G-2 Conditioning, per service termination	ICB	ICB
Type IV, each G-3 Conditioning, per service termination	ICB	ICB

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.4 Special Federal Government Access Services Offerings
(Cont'd)

22.4.2 Special Routing Access Service

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service.

		<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A)	Special Routing Access Service Area Plan-Setup and Removal, Per End Office or Tandem Office Switching System. (Note 1) (Note 2)	ICB	ICB
(B)	Special Routing Access Service Trunk Group Setup and Removal, Per End Office Switching System, Per Occurrence. (Note 1) (Note 2)	ICB	ICB
(C)	Activation or Deactivation of Special Routing Access Service, Per End Office or Tandem Office Switching System, Per Occurrence	ICB	ICB

(Note 1) The service setups will only be activated in offices that are specifically negotiated by the customer with the Telephone Company and are mutually agreeable between both parties.

(Note 2) End Offices will be updated for activation and/or deactivation annually.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.4 Special Federal Government Access Services Offerings
(Cont'd)

22.4.2 Special Routing Access Service (Cont'd)

		<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(D)	Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Initial Activation Hour	ICB*	ICB
(E)	Special Routing Access Service Trunk Usage, When Activated, Per Trunk, Per Subsequent 1/2 Hour	ICB*	ICB
(F)	Special Routing Access Service Maintenance and Administration, Per End Office or Tandem Office Switching System, Per Month	ICB	ICB

* This rate is in addition to Trunk Side Premium Access Service rates which apply on an ongoing basis whether SRAS is activated or not.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.4 Special Federal Government Access Services Offerings (Cont'd)

22.4.3 Telecommunications Service Priority (TSP) System

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff which operate in conjunction with the TSP System.

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(A) Priority Installation (PI) of an Access Service - Invocation Includes System Development, Verification, Confirmation and Preemption*		
Prime Service Vendor Subcontractor	ICB	ICB
(1) Expedited (Emergency or Essential)	Regulations, rates and charges are the same as those set forth for the Switched or Special Access Service for which PI is required.	

* When an Access Service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.4 Special Federal Government Access Services Offerings (Cont'd)

22.4.3 Telecommunications Service Priority (TSP) System
(Cont'd)

	<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
--	------------------------------	---------------------------------

(A) (Cont'd)

(2) Utilizing
Specially
Constructed
Facilities

Regulations, rates and charges
are the same as those set
forth in Section 14 for Special
Construction of the facilities
for Switched Access Service
for which PI is required.

(B) Priority
Restoration
(PR) Level
Implementation
on an Access
Service

(1) When PR level is
implemented - includes
System Development,
Verification and
Confirmation*

* When an Access Service is ordered with both PI and PR, the associated nonrecurring charge for PR applies.

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.4 Special Federal Government Access Services Offerings (Cont'd)

22.4.3 Telecommunications Service Priority (TSP) System
 (Cont'd)

		<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(B)	(Cont'd)		
(1)	(Cont'd)		
	Prime Service Vendor	ICB	ICB
	Subcontractor	ICB	ICB
(2)	When the PR level is changed on an associated working Access Service - includes Verification and Confirmation		
	Prime Service Vendor	ICB	ICB
	Subcontractor	ICB	ICB

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.4 Special Federal Government Access Services Offerings (Cont'd)

22.4.3 Telecommunications Service Priority (TSP) System
 (Cont'd)

		<u>Recurring Charges</u>	<u>Nonrecurring Charges</u>
(B)	(Cont'd)		
(3)	Administrative and maintenance of PR Service - includes Reconciliation and Preemption		
	Prime Service Vendor	ICB	ICB
	Subcontractor	ICB	ICB

22.5 Miscellaneous Services

		<u>Basic Time, Scheduled Working Hours</u>	<u>Overtime, Outside Scheduled Working Hours</u>	<u>Premium Time, Outside Schedule Working Hours</u>
22.5.1	<u>Additional Engineering Periods</u>			
	per Engineer, 1/2 hour or fraction thereof,	\$30.19	\$45.29	\$60.38

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.5 Miscellaneous Services (Cont'd)

		Basic Time, Scheduled Working Hours	Overtime, Outside Scheduled Working Hours	Premium Time, Outside Schedule Working Hours
22.5.2	<u>Additional Labor - Installation</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
22.5.3	<u>Maintenance and Testing</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
22.5.4	<u>Standby</u>			
	per Technician 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02

Continued

Advice Letter No. 1054

Decision No. _____

Issued By

Aloa J. Stevens

Director Government & External Affairs

Date Filed: January 5, 2009

Effective: January 7, 2009

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd) (T)

22.5 Miscellaneous Services (Cont'd)

		Basic Time, Scheduled Working Hours	Overtime, Outside Scheduled Working Hours	Premium Time, Outside Schedule Working Hours
22.5.5	<u>Programming Services</u>			
	per Programmer 1/2 hour or fraction thereof,	\$23.51	\$35.27	\$47.02
				<u>Nonrecurring Charge</u>
22.5.6	Presubscription Change Charge			\$ 5.00
22.5.7	Design Blocking Measurement			ICB

Continued

Advice Letter No. 1054

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ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.5 Miscellaneous Services (Cont'd)

Nonrecurring
Charge

22.5.8 Service Date Change
Per order

\$23.00

22.5.9 Design Change
Per order

\$23.00

22.5.10 Surcharges
Special Access Surcharge

None

22.6 Billing and Collection

Rates

22.6.1 Recording,
per Message

\$.01

22.6.2 Rating,
per Message

\$.01

22.6.3 Bill Processing,
per Message

\$.01

22.6.4 Bill Rendering,
per Bill Rendered

\$.19

22.6.5 CMDS II,
per Sampled Message

None

22.6.6 Inquiry,
per Message

\$.02

Continued

ACCESS SERVICE

22. Rates and Charges – Tuolumne Study Area (Cont'd)

(T)

22.6	<u>Billing and Collection (Cont'd)</u>	<u>Rates</u>
22.6.7	<u>Data Transmission,</u> per Record Transmittal	None
22.6.8	<u>Record Keeping,</u> per Customer Account	\$.03
22.6.9	<u>Provision of Message Detail,</u> per Magnetic Tape	\$50.00

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc., Study Area

23.1 Switched Access Rates

Regulations concerning Switched Access Service are set forth in Section 6 preceding.

Exceptions to Switched Access rates listed in the Telephone Company's Interstate tariff are as follows:

23.2.1 Rate Exceptions

	<u>Originating</u>	<u>Terminating*</u>	
** LOCAL SWITCHING SERVICE CATEGORY **			
Local Switching (LS1) – Non 800/888	\$0.02264607	*	(C)
Local Switching (LS2) – Non 800/888	\$0.02264607	*	(C)
Network Blocking, per blocked call	\$0.0135		(D)
Switched 56kpbs	0	*	(D)
	<u>Originating</u>	<u>Terminating*</u>	(T)
** TANDEM SWITCHED TRANSPORT SERVICE CATEGORY **			
Tandem Switched Transport Termination – Non 800/888	\$0.00093300	*	(C)
Tandem Switched Transport Facility – Non 800/888	\$0.00018900	*	(C)
** DATA BASE ACCESS **			
800 DB Query, Basic	*		(C)
800 DB Query, Vertical Feature	*		(C)

* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area
(Continued)

(D)

(D)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area
(Continued)

(D)

(D)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates:

	Rate Per <u>Month</u>	Nonrecurring <u>Charge</u>
(a) Advanced Digital Network or Digital Data Service (2.4 Kbps through 64.0 Kbps)		
1. Channel Termination, Per Termination	\$ 279.28 (I)	\$177.00
2. Channel Mileage Facility, Per Mile:		
a. 2.4 Kbps through 19.2 Kbps	2.56	
b. 56.0 and 64.0 Kbps	3.96	
3. Channel Mileage Termination, Per Termination:		
a. 2.4 Kbps through 19.2 Kbps	102.88	(I)
b. 56.0 and 64.0 Kbps	39.79	
4. Optional Features and Functions:		
a. Bridging	7.85	
b. Loop Transfer	6.21	
c. Channel Service Unit, Per Termination for 2.4 Kbps through 56.0 Kbps	31.05	

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area (Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

	Rate Per <u>Month</u>	Nonrecurring <u>Charge</u>
(b) High Capacity Service:		
1. Channel Termination, Per Termination:		
a. DS1 (1.544 Mbps):		
(1) Month-to-Month	\$707.28 (l)	\$181.00
(2) 36 Months	159.14	181.00
(3) 60 Months	141.46	181.00
b. Capacity of 1 DS3 (1X 44.736 Mbps)		
(1) Month-to-Month	2,051.19	499.00
(2) 36 Months	1,846.07	499.00
(3) 60 Months	1,640.95	499.00
c. Capacity of 3 DS3 (3X 44.736 Mbps)		
Interface	1,569.16	0.00
- Per DS3 Channel Installed	1,220.46	499.00
d. Capacity of 6 DS3 (6X 44.736 Mbps) Interface		
- Per DS3 Channel Installed	2,953.72	0.00
	1,148.67	499.00
e. Capacity of 12 DS3 (12X 44.736 Mbps) Interface		
- Per DS3 Channel Installed	4,799.79	0.00
	933.29	499.00

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc. Study Area
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

Rate Per Nonrecurring
Month Charge

(b) High Capacity Service: - (Continued)

2. Channel Mileage Facility, Per Mile:

a. 1.544 Mbps:

(1) Month-to-Month	\$19.14	\$0.00
(2) 36 Months	17.23	0.00
(3) 60 Months	15.31	0.00

b. 44.736 Mbps:

(1) Month-to-Month	131.77	0.00
(2) 36 Months	118.59	0.00
(3) 60 Months	105.42	0.00

3. Channel Mileage Termination,
Per Termination:

a. 1.544 Mbps:

(1) Month-to-Month	377.52 (I)	0.00
(2) 36 Months	84.94	0.00
(3) 60 Months	75.50	0.00

b. 44.736 Mbps:

(1) Month-to-Month	525.64	0.00
(2) 36 Months	473.08	0.00
(3) 60 Months	420.51	0.00

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area (N)
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

Rate Per Nonrecurring
Month Charge

(b) High Capacity Service: - (Continued)

4. Optional Features and Functions:

a. Multiplexing:

(1) DS3 to DS1	\$474.31	\$0.00
(2) DS1 to Voice	183.12	0.00
(3) DS1 to DS0	183.12	0.00
(4) DS0 to Subrates:		
(a) 2.4 Kbps	390.00	0.00
(b) 4.8 Kbps	265.00	0.00
(c) 9.6 Kbps	235.00	0.00

b. Automatic Loop Transfer 158.00 0.00

c. Transfer Arrangement Per 4 Port 172.20 0.00

d. Network Channel Terminating
Equipment:

(1) 1.544 Mbps, Per Termination	89.60	0.00
(2) Automatic Loop Transfer	360.00	0.00

(N)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc. Study Area
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

	<u>Rate Per</u> <u>Month</u>	<u>Nonrecurring</u> <u>Charge</u>
(c) Voice Grade Service:		
1. Channel Termination, Two-Wire	\$37.83	\$161.00
2. Channel Termination, Four-Wire	121.06 (l)	161.00
3. Channel Mileage Facility, Per Mile for Two- or Four-Wire	2.70	
4. Channel Mileage Termination, Per Termination of Two- or Four-Wire	27.08	
5. Special Access Surcharge, Per Voice Grade Equivalent	25.00	
6. Optional Features and Functions:		
a. Per Port for Two- or Four-Wire Bridging for Voice, Data, or Telephoto	6.50	
b. Dataphone Sequential, Per Channel:		
(1) Two-Wire	22.19	
(2) Four-Wire	117.70	
c. Dataphone Addressable, Per Channel:		
(1) Two-Wire	23.75	
(2) Four-Wire	102.80	

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc. Study Area (N)
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

Rate Per
Month

(c) Voice Grade Service: (Continued)

6. Optional Features and Functions: - (Continued)

d. Telemetry/Alarm Bridging,

Per Channel:

(1) Split Band \$8.89

(2) Summation 3.47

(3) Passive .24

e. Conditioning Per Termination, C-Type 7.20

f. Data Capability, Per Termination 4.95

g. Telephoto Capability, Per Termination 9.02

h. Improved Return Loss, Per Termination

i. Customer Specified Receive Level,
Per Termination 8.80

j. Multiplexing-Voice to Telegraph,
Per Arrangement 226.19

k. Signaling Capability, Per Termination 12.95

l. Selective Signaling, Per Arrangement 6.50

m. Transfer Arrangement:

(1) Four Port 3.13

(2) Five Port 7.14

(N)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area (N) (Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.2 Special Access Rates: (Continued)

	Rate Per <u>Month</u>	Nonrecurring <u>Charge</u>
(d) Synchronous Optical Channel Service:		
1. Channel Termination, Per Termination:		
a. OC3/OC3c (155.52 Mbps)	\$1,361.19	\$786.00
b. OC12 (622.08 Mbps)	2,656.80	786.00
2. Channel Mileage Facility, Per Mile:		
a. OC3/OC3c (155.52 Mbps)	140.00	
b. OC12 (622.08 Mbps)	280.00	
3. Channel Mileage Termination, Per Termination:		
a. OC3/OC3c (155.52 Mbps)	484.49	
b. OC12 (622.08 Mbps)	1,807.00	
4. Optional Features and Functions:		
a. Customer Node, Per Node:		
(1) OC3/OC3c (155.52 Mbps)	495.00	197.00
(2) OC12 (622.08 Mbps)	1,430.00	197.00
b. Customer Premises Port, Per Port:		
(1) OC3/OC3c (155.52 Mbps)	150.00	213.00
(2) STS-1 (51.84 Mbps)	195.00	213.00
(3) DS3 (44.736 Mbps)	195.00	213.00
(4) DS1 (1.544 Mbps)	50.00	54.00
c. Add/Drop Multiplexing, Central Office Port, Per Port:		
(1) OC3/OC3c (155.52 Mbps)	150.00	
(2) DS3 (44.736 Mbps)	100.00	
(3) DS1 (1.544 Mbps)	40.00	

(N)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc. Study Area (N)
(Continued)

The following NECA rates as of July 1, 1999, apply: - (Continued)

23.3 Access Order Charges:

Nonrecurring
Charge

(a) Access Order Charge, Per Order	\$81.00
(b) Service Date Change Charge, Per Order	34.00
(c) Design Change Charge, Per Order	34.00

23.4 Miscellaneous Charges:

(a) Miscellaneous Order Charge, Per Order	34.00
(b) Additional Engineering, Per 1/2 Hour or fraction thereof:	
1. Basic time	19.67
2. Overtime	29.50
3. Premium time	39.33
(c) Additional Labor, Per 1/2 Hour or fraction thereof:	
1. Installation & Repair, Per Technician:	
a. Basic time	20.76
b. Overtime	31.13
c. Premium time	41.51
2. Standby, Per Technician:	
a. Basic time	19.28
b. Overtime	28.92
c. Premium time	38.56

(N)

Continued

ACCESS SERVICE

23. Rates and Charges – Global Valley Networks, Inc, Study Area (N)
(Continued)

The following NECA rates as of July 1, 1999, apply: -
(Continued)

23.4 Miscellaneous Charges: (Continued)

Nonrecurring
Charge

(d) Testing & Maintenance, Per 1/2 Hour or
fraction thereof:

1. Per Installation and Repair Technician:

a. Basic time	\$20.76
b. Overtime	31.13
c. Premium time	41.51

2. Per Central Office Technician:

a. Basic time	19.05
b. Overtime	28.57
c. Premium time	38.09

(e) Late Payment Charge: .000292

Per Day, Compounded Daily. All bills are due
31 days after the bill date.

23.5 Billing and Collections:

Rate

Per Message Billed (includes inquiry) \$0. 041

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area

(N)

24.1 Expedited Order Charge

If the Telephone Company is subsequently unable to meet an agreed upon expedited service date, the Expedited Order Charge will not apply.

In the event that the Telephone Company provides service on an expedited basis by customer request and the customer then delays service, an additional Service Date Change Charge as described in Section 5.3.2.C. will apply.

The Expedited Order Charge applies per order, based on the requested service date. A request to expedite service to be available the next day is a one day expedite, a request for service in two days is a two day expedite, and so on to a request for service a week from the request date is a seven day expedite. Expedited orders for same day service are not available. If the requested service date is at the published service date interval or later, no Expedited Order Charge will apply.

Rates for Expedited Order Charges are as follows:

	<u>Charge</u>
One Day Expedite	\$504.00
Two Day Expedite	487.00
Three Day Expedite	469.00
Four Day Expedite	452.00
Five Day Expedite	348.00
Six Day Expedite	344.00
Seven Day Expedite	344.00
Eight Day Expedite	344.00
Nine Day Expedite	344.00

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

24.2 Switched Access

Regulations concerning Switched Access Service are set forth in Section 6 preceding.

Exceptions to Switched Access rates listed in the Telephone Company's Interstate tariff are as follows:

24.2.1 Rate Exceptions

	<u>Originating</u>	<u>Terminating*</u>	
** LOCAL SWITCHING SERVICE CATEGORY **			
PREM EOS 1 (BUNDLED) – Non Toll Free	\$0.01231569	*	(C)
PREM EOS 2 (BUNDLED) – Non Toll Free	\$0.01790832	*	(C)
PREM EOS 1 (UNBUNDLED) CKT SWITCHED LINE – Non Toll Free	\$0.01231569	*	(C)
PREM EOS 2 (UNBUNDLED) CKT SWITCHED LINE – Non Toll Free	\$0.01790832	*	(C)
PREM EOS 1 (UNBUNDLED) CKT SWITCHED TRUNK – Non Toll Free	\$0.01231569	*	(C)
PREM EOS 2 (UNBUNDLED) CKT SWITCHED TRUNK – Non Toll Free	\$0.01790832	*	(C)
Information Services Category:			
PREMIUM INFORMATION SURCHARGE – Non Toll Free	\$0.00218807	*	(C)
NON-PREMIUM INFORMATION SURCHARGE – Non Toll Free	\$0.00218807	*	(C)
** TANDEM SWITCHED TRANSPORT SERVICE CATEGORY **			
TANDEM SW FACILITY TERMINATING – Non Toll Free	\$0.00703610	*	(C)
800 DB QUERY, BASIC	*	*	(C)
800 DB QUERY, PREMIUM	*	*	(C)
SWITCHED ACCESS ORDER CHARGE	0		

* See Frontier Telephone Companies Tariff FCC No. 5 for rates.

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access

24.3.1 Special Access Ordering Charges # Nonrecurring
Charge

Initial Ordering Charge - Special Access \$88.82

Subsequent Ordering Charge - Special Access 86.96

Service Installation Charge per SAL 169.11

Design Change Charge per ASR/per occurrence 26.57

24.3.2 Voiceband Facilities

(A) Standard Arrangements Nonrecurring
Charges Monthly
Rate

Special Transport,
per airline mile

Two-Wire -- \$4.89

Four-Wire -- 9.78

Special Access Line

Two-Wire -- 13.34

Four-Wire -- 28.25

Nonrecurring Charges will be discounted to eligible entities based on the qualifications listed in Section 7.1.

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

24.3 Special Access (Cont')

24.3.2 Voiceband Facilities (Cont'd)

(B) <u>Optional Arrangements</u>	Nonrecurring Charge <u>Initial</u>	Monthly <u>Rate</u>
Supplemental Features, per Port		
Multipoint Data Bridging	\$270.00	\$14.42
Voice Conference Bridging	112.83	4.62
Alarm Distribution Bridging		
Common Equipment	112.83	12.44
per Two-Wire Port	112.83	12.44
Conditioning Arrangements – Data, per SAL		
Type C	239.95	14.32
Type DA	191.33	1.14
Signaling Arrangement, per SAL		
Loop Signaling Range Extension	112.83	4.63
Loop or E&M to SF	138.52	11.90

Continued

(N)

(N)

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access (Cont'd)

24.3.2 Voiceband Facilities (Cont'd)

(B) <u>Optional Arrangements (Cont'd)</u>	Nonrecurring	Monthly
	Charge <u>Initial</u>	<u>Rate</u>
Signaling Arrangements per SAL (Cont'd)		
E&M to DX	\$112.83	\$3.13
E&M to Loop	112.83	4.87
Loop or E&M to PCM	81.86	4.68
Automatic Ringdown	112.83	3.60
Echo Control - Echo Suppression	922.36	11.34
Echo Control - Echo Canceller	922.36	20.13
Voiceband Facility Switching Arrangement	112.83	2.68

24.3.3 Program Audio (200-3500 Hz) Facilities

(A) <u>Standard Arrangements</u>	Monthly <u>Rate</u>	Daily <u>Rate</u>
Special Transport, per airline mile	\$4.89	\$4.49
Special Access Line	13.34	1.33

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access (Cont'd)

24.3.3 Program Audio (200-3500 Hz) Facilities (Cont'd)

(B) <u>Optional Arrangements</u>	Nonrecurring Charge <u>Initial</u>	Monthly <u>Rate</u>
Supplemental Features		
Program Audio Bridging, per Port	\$112.83	\$4.32
Conditioning Arrangement - Program Audio Zero Loss, per SAL	120.63	12.50

24.3.4 Program Audio (100-5000 Hz) Facilities

(A) <u>Standard Arrangements</u>	Monthly <u>Rate</u>	Daily <u>Rate</u>
Special Transport, per airline mile	\$9.78	\$.98
Special Access Line	28.25	2.83
(B) <u>Supplemental Features</u>		
Program Audio Bridging, per port	\$12.83	\$4.32
Conditioning Arrangement - Program Audio - Zero Loss, per SAL	120.63	12.50

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access (Cont'd)

24.3.5 Program Audio (50-8000 Hz) Facilities (Cont'd)

(A) <u>Standard Arrangements</u>	Monthly Rate	Daily Rate
Special Transport, per airline mile	\$11.00	\$1.10
Special Access Line	31.98	3.20
(B) <u>Supplemental Features</u>	Nonrecurring Charge Initial	Monthly Rate
Program Audio Bridging, per port	\$112.83	\$4.32
Conditioning Arrangement - Program Audio - Zero Loss, per SAL	120.63	12.50

24.3.6 Program Audio (50-15000 Hz) Facilities

(A) <u>Standard Arrangements</u>	Monthly Rate	Daily Rate
Special Transport, per airline mile	\$12.23	\$1.22
Special Access Line	35.71	3.57

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access (Cont'd)

24.3.6 Program Audio (50-15000 Hz) Facilities (Cont'd)

(B) <u>Optional Arrangements</u>	Nonrecurring Charge <u>Initial</u>	Monthly <u>Rate</u>
Supplemental Features		
Program Audio Bridging/per port	\$112.83	\$4.32
Conditioning Arrangements - Program Audio - Stereo 15 kHz per occurrence	56.42	.32
Zero Loss - per SAL	120.63	12.50

24.3.7 High Capacity Digital DS1 (1.544 Mbps) Facilities #

(A) Standard Arrangements

Special Access Line	270.00
Special Transport Termination, per termination	50.00
Special Transport, per airline mile	32.38

Monthly rates will be discounted to eligible entities based on the qualifications listed in Section 7.1.

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

24.3 Special Access (Cont'd)

24.3.7 High Capacity Digital DS1 (1.544 Mbps) Facilities # (Cont'd)

(B) <u>Optional Arrangements</u>	Nonrecurring	
	<u>Charge Initial</u>	<u>Monthly Rate</u>
Supplemental Features, per Special Access		
Automatic Protection Switching	\$976.20	\$55.91
Clear Channel Capability	83.00	100.00 (I)

24.3.8 DS3 Service

Discounted DS3 Special Access Service for qualifying entities is available via Individual Case Basis (ICB). Qualifications for eligible entities are listed in Section 5.1.

24.3.9 Digital Data Service (DDS)

(A) <u>Standard Arrangements</u>	<u>Monthly Rate</u>
Special Transport per airline mile 2.4, 4.8, 9.6,	\$19.72
56 kbps	19.72
Special Access Line 2.4, 4.8, 9.6	47.30
56 kbps	47.30

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.3 Special Access (Cont'd)

24.3.9 Digital Data Service (DDS) (Cont'd)

(B) <u>Optional Arrangements</u>	Nonrecurring Charge <u>Initial</u>	Monthly <u>Rate</u>
Supplemental Features, per port		
DDS Bridging		
2.4,4.8,9.6	\$1,114.80	\$92.45
56 kbps	1,114.80	92.45

24.3.10 Multiplexing Arrangements

DS1 to Voice	1,915.86	141.56
Digital Data Carrier Multiplexer		
Common Equipment	2,790.00	116.33
Each 64 kbps per Port	174.75	8.51
Digital Data Subrate Multiplexer		
One 64 kbps to Twenty 2.4 kbps	2,790.00	158.07
One 64 kbps to		
Ten 4.8 kbps	2,790.00	168.78
One 64 kbps to Five 9.6 kbps	2,790.00	153.63

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.4 Telecommunications Service Priority (TSP) System

The following rates and charges are in addition to all other rates and charges that may apply for other services offered under this tariff which operate in conjunction with the TSP System.

24.4.1 Establishment of TSP System Service

The establishment of TSP System service charge is a nonrecurring Charge (NRC), which applies when a FIA is ordered with provisioning and/or restoration priority. If both are ordered at the same time, only one NRC is applicable. The NRC is also applicable for orders changing priority levels.

Nonrecurring Charge
Per Circuit

\$14.50

24.4.2 Provisioning Priority

There are two basic levels of priority provisioning, Emergency (provisioning priority "E") and Essential (provisioning priority 1, 2, 3, 4 or 5).

(a) Emergency Provisioning

The Utility will take immediate action to provide the requested service at the earliest possible date. The rates and charges will apply as set forth in Section 10, Special Construction.

(b) Essential Provisioning

The Utility will adjust its available resources to meet the customers requested due date. The rates and charges will apply as set forth in Section 24.1.

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.4 Telecommunications Service Priority (TSP) System (Cont'd)

24.4.3 Restoration Priority

Restoration Priority is a monthly rate per circuit for the ongoing administration and maintenance of the TSP System. This monthly rate only applies when a restoration priority code (1, 2, 3, 4 or 5) is specified in position 12 or the authorization code.

Monthly Rate
Per Circuit

\$4.90

24.5 Presubscription

Nonrecurring Charge for Primary InterLATA Carrier (PIC) or Primary IntraLATA Carrier (IPIC)

The nonrecurring charge for PIC or IPIC is as follows:

	<u>Nonrecurring Charge</u>
Per Utility	
Local Service Line or Trunk	
NEPS (PIC)	\$4.35
NAAPS (IPIC)	4.35
NEAPS (IPIC)*	2.17

* If a customer picks a single carrier for both intraLATA and interLATA toll calls during one transaction, the IPIC will be charged at 1/2 of the full rate.

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.6 Miscellaneous Services

24.6.1 Additional Labor

Charge

Basic time, Business Day,
per technician

First half hour or fraction
thereof

\$55.62

Each additional half hour or
fraction thereof

17.93

Charge

Nonrecurring Charge

Overtime, outside the
Business Day, per technician*

First half hour or fraction thereof

\$59.14

--

Each additional half hour
or fraction thereof

21.45

--

Premium time, outside the
Business Day, per technician*

First half hour or fraction thereof

66.17

--

Each additional half hour or
fraction thereof

28.48

--

* A call out of a Utility employee at a time not consecutive with the business day is subject to a charge of four hours.

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.6 Miscellaneous Services (Cont'd)

24.6.2 Testing

Charge

(1) Automatic Scheduled Testing

Basic offering to first point of switching,
per transmission path, per month \$.45

(2) Additional Cooperative Scheduled Testing

Basic offering to first point of switching,
per transmission path, per month 1.69

Gain - Slope - To first point of switching,
per transmission path, per month .72

(3) Additional Manual Scheduled Testing

Basic offering to first point of switching,
per transmission path, per month 3.37

Gain - Slope - To first point of switching,
per transmission path, per month 1.43

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.7 Billing Name and Address Services (BNAS)

	<u>Charge</u>
(A) <u>Billing Name and Address</u>	
BNA Number Found, each	\$.25
BNA Number Not Found, each	.25
Processing Fee *	
Paper Report, Electronic Transmission, or Magnetic Tape, each	50.00
(B) <u>Data Gathering Service</u>	
Per Record Accessed	.18
Processing Fee *	
Paper Report, Electronic Transmission, or Magnetic Tape, each	75.00
(C) <u>End User Validation List</u>	
Standard Sort, per record provided	.034
Special Sort, per record provided	.054
Administrative Fee	
Paper Report, Electronic Transmission, or Magnetic Tape, per request	78.00

* Applies once per calendar year for BNA or DGS processing done within that calendar year. Customers may only choose one reporting format per calendar year.

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.8 Specialized Facilities for Intrastate Access (FIA) or Arrangements

24.8.1 General

Specialized FIA or Arrangements may be provided by the Utility, at the request of a customer, on an Individual Case Basis if such FIA or arrangements meet the following criteria:

- The requested FIA or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested FIA or arrangements are of a type normally used by the Utility in furnishing its other services.
- The requested FIA or arrangements are provided within a LATA.
- The requested FIA or arrangements are compatible with other Utility services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Utility personnel and capital resources.

24.8.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for Specialized FIA or Arrangements provided on an Individual Case Basis are filed herein.

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.9 Billing and Collection

		<u>Rates</u>
24.9.1	<u>Recording,</u> per Message	\$.01
24.9.2	<u>Rating,</u> per Message	\$.01
24.9.3	<u>Bill Processing,</u> per Message	\$.01
24.9.4	<u>Bill Rendering,</u> per Bill Rendered	\$.19
24.9.5	<u>CMDS II,</u> per Sampled Message	None
24.9.6	<u>Inquiry,</u> per Message	\$.02
24.9.7	<u>Data Transmission,</u> per Record Transmittal	None
24.9.8	<u>Record Keeping,</u> per Customer Account	\$.03
24.9.9	<u>Provision of Message Detail,</u> per Magnetic Tape	\$50.00

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.10 Liabilities, Charges and Payments (Cont'd)

24.10.1 Recurring Charges

These charges apply on a monthly or annual basis for specially constructed FIA. There are three conditions for which recurring charges apply:

- When a customer requests the construction of more facilities than are necessary to provide the FIA currently ordered.
- When a customer requests a facility route or type other than that which the Utility would utilize to provide FIA.
- When a customer's request results in the Utility leasing transmission or other equipment from private vendors to provide a FIA (Lease Charge).

(A) Excess Capacity Charge

An Excess Capacity Charge applies when the customer requests more facilities be constructed than are required to satisfy the customer's ASR. The charge is based on the estimated cost difference between the facilities constructed at the customer's request and the facilities actually required to meet the customer's ASR.

Example:

A customer has an immediate FIA requirement which would require a 100 pair cable but requests the installation of a 300 pair cable to allow for growth.

Total Installed Cost (300 Pair)	\$2,500
Estimated Annual Cost	920
Estimated Installed Cost (100 Pair)	1,000
Estimated Annual Cost	368

(N)

Continued

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.10 Liabilities, Charges and Payments (Cont'd)

24.10.1 Recurring Charges (Cont'd)

(A) Excess Capacity Charge (Cont'd)

Example: (Cont'd)

Excess Recurring Charge:

Annually \$920 - \$368 = \$552

Monthly \$552
12 = \$46

This charge applies until such time as the customer orders sufficient FIA to necessitate use of a larger size cable (e.g., 200 pair cable). At that time the recurring charge is adjusted as indicated in the following example:

Total Installed Cost (300 Pair)	\$2,500
Estimated Annual Cost	\$920
Estimated Installed Cost (200 Pair)	\$1,900
Estimated Annual Cost	\$683

Excess Recurring Charge:

Annually \$920 - \$683 = \$237

Monthly \$237
12 = \$19.75

The charge is revised in this manner until the number of FIA being provided would require a 300 pair cable, at which time the Excess Capacity Charge is no longer applied. The charge would be reapplied if the number of FIA declined to a level, which would not require a 300 pair cable.

Continued

(N)

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

(N)

24.10 Liabilities, Charges and Payments (Cont'd)

24.10.1 Recurring Charges (Cont'd)

(A) Excess Capacity Charge (Cont'd)

Such charges will continue to apply to all facilities held in abeyance until the period of termination liability expires. If facilities are still held in abeyance after the termination liability expires, a new schedule of rates will be calculated and such rates will apply as long as facilities are held in abeyance for the customer.

(B) Charge for Route or Type Other Than Normal

When the customer requests Special Construction using a route or type of FIA other than that which the Utility would normally use, a recurring charge is applicable. The charge is the difference between the estimated recurring costs of the specially constructed FIA and the estimated recurring costs of the FIA the Utility would normally use. The charge will be no greater than the recurring costs of the specially constructed FIA.

- (1) If the customer elects to pay an Optional Payment Charge, the portion of the recurring charge for the excess investment covered by the optional payment excludes capital cost items (depreciation, return on investment and Federal income tax on that return). The remaining recurring expense cost items associated with the optional payment (maintenance, administration, and other taxes) are increased by a ten percent management fee and will be included in the recurring charge.

The portion of any recurring charge associated with any remaining Special Construction investment will include both capital and expense costs. The ten percent management fee is not applied to this portion of the recurring charge.

Continued

(N)

(N)

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

24.10 Liabilities, Charges and Payments (Cont'd)

24.10.1 Recurring Charges (Cont'd)

(B) Charge for Route or Type Other Than Normal (Cont'd)

(1) (Cont'd)

	<u>SPECIAL ROUTE OR TYPE OF FIA</u>			<u>NORMAL</u>
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
	Optional Payment Nonrecurring Charge For Special Const. <u>FIA</u> \$10,000	Specially Constructed Less Nonrecurring Charges \$20,000	FIA Existing Facilities	Normal Route/Type Facilities \$17,000
1. Depreciation	-	1,320		408
2. Federal Income Tax and Return	-	2,520		2,346
3. Maintenance	870	1,740		799
4. Administration	350	700		595
5. Other Taxes	220	440		374
6. Sub Total	1,440	-	-	-
7. 10%x Line 6	144	-	-	-
8. Totals	(A) \$1,584	(B) \$6,720	(C)	(D) \$4,522

$$A + B = \$8,304$$

$$A + B + C = 8,304$$

$$(A + B + C) - D = 3,782$$

Excess Recurring Charge:* Annually \$3,782.00
Monthly \$315.17

*The lowest of (A+B+C)-D, or (A+B)

Continued

(N)

(N)

ACCESS SERVICE

24. Rates and Charges – West Coast Study Area (Cont'd)

24.11 Carrier Common Line (CCL) Service

24.11.1 Transitional Charge - Per Access Minute

	<u>CCLC</u>	<u>HCF</u>	<u>RATE</u>	
(A) Premium-Originating	\$0.0292255	\$0.0000	\$0.0292255	
(B) Premium-Terminating	0	\$0.0000	0	(R)

24.11.2 Surcredit

(A) Premium - Terminating \$0.01461275

(B) A onetime surcredit terminating rate will be applied for those terminating minutes billed at the CCLC originating rate during the period July 3, 2012 through August 30, 2012.

Continued