

ACCESS SERVICE

CHECK SHEET

Title Pages of this tariff are effective as of the date shown. Original and revised pages as named below contain all changes from the original tariff that are in effect on the date hereof.

<u>Page</u>	Number of Revision Except as <u>Indicated</u>	<u>Page</u>	Number of Revision Except as <u>Indicated</u>	<u>Page</u>	Number of Revision Except as <u>Indicated</u>
Title Page 1	2 nd	36	Original	76	3 rd *
Title Page 2	2 nd	37	Original	77	3 rd *
1	4 th *	38	Original	78	3 rd *
1.1	3 rd *	39	Original	79	2 nd *
1.2	2 nd *	40	3 rd *	80	3 rd *
1.3	2 nd *	41	3 rd *	81	3 rd *
2	Original	42	3 rd *	82	3 rd *
3	Original	43	3 rd *	83	3 rd *
4	Original	44	3 rd *	84	3 rd *
5	Original	45	3 rd *	85	3 rd *
6	Original	46	3 rd *	85.1	1 st *
7	Original	47	3 rd *	85.2	1 st *
8	Original	48	3 rd *	86	1 st
9	Original	49	3 rd *	87	1 st
10	Original	50	3 rd *	88	1 st
11	Original	51	3 rd *	89	1 st
12	Original	52	3 rd *	90	Original
14	Original	53	3 rd *	91	Original
15	Original	54	Original	92	Original
16	Original	55	Original	93	Original
17	Original	56	3 rd *	94	Original
18	Original	57	3 rd *	95	Original
19	Original	58	Original	95.1	Original
20	Original	59	Original	96	3 rd *
21	Original	60	Original	97	Original
22	Original	61	Original	98	Original
23	Original	62	Original	99	Original
24	Original	63	Original	100	Original
25	Original	64	Original	101	3 rd *
26	1 st	65	Original	102	3 rd *
27	1 st	66	Original	103	3 rd *
28	1 st	67	2 nd	104	3 rd *
29	Original	68	Original	105	3 rd *
30	Original	69	Original	106	3 rd *
31	Original	70	Original	107	3 rd *
32	Original	71	3 rd *	108	3 rd *
33	Original	72	3 rd *	109	3 rd *
34	Original	73	3 rd *	110	3 rd *
34.1	Original	74	3 rd *	111	3 rd *
35	3 rd *	75	3 rd *	112	3 rd *

*New or revised page

Transmittal No. 6

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
113	3 rd *	153	Original	193	2 nd *
114	3 rd *	153.1	Original	194	2 nd *
115	Original	154	Original	195	2 nd *
116	Original	155	Original	196	2 nd *
117	3 rd *	156	Original	197	2 nd *
118	3 rd *	156.1	Original	198	2 nd *
119	Original	157	2 nd *	199	2 nd *
120	Original	158	Original	200	2 nd *
121	Original	159	Original	201	2 nd *
122	Original	160	Original	202	2 nd *
123	Original	161	Original	203	2 nd *
124	Original	162	2 nd *	204	2 nd *
125	Original	163	2 nd *	205	2 nd *
126	Original	164	2 nd *	206	2 nd *
127	Original	165	2 nd *	207	2 nd *
128	2 nd	166	2 nd *	207.1	1 st *
129	Original	167	2 nd *	207.2	1 st *
130	Original	168	2 nd *	208	1 st
131	Original	169	2 nd *	209	Original
132	3 rd *	170	2 nd *	210	Original
133	3 rd *	171	2 nd *	211	Original
134	3 rd *	172	2 nd *	212	Original
135	3 rd *	173	2 nd *	213	Original
136	3 rd *	174	2 nd *	214	Original
137	3 rd *	175	2 nd *	214.1	Original
138	3 rd *	176	Original	215	Original
139	3 rd *	177	Original	216	Original
140	3 rd *	178	2 nd *	217	Original
141	3 rd *	179	2 nd *	217.1	Original
142	3 rd *	180	Original	218	2 nd *
143	3 rd *	181	Original	219	Original
144	3 rd *	182	Original	220	Original
145	3 rd *	183	Original	221	Original
146	3 rd *	184	Original	222	Original
146.1	1 st *	185	Original	223	2 nd *
146.2	1 st *	186	Original	224	2 nd *
147	1 st	187	Original	225	2 nd *
148	Original	188	Original	226	2 nd *
149	Original	189	2 nd *	227	2 nd *
150	Original	190	Original	228	2 nd *
151	Original	191	Original	229	2 nd *
152	Original	192	Original	230	2 nd *

*New or revised page

Transmittal No. 6

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
231	2 nd *	272	Original	313	Original
232	2 nd *	273	Original	314	Original
233	2 nd *	274	Original	315	2 nd *
234	2 nd *	275	Original	316	2 nd *
235	2 nd *	275.1	Original	317	2 nd *
236	2 nd *	276	Original	318	2 nd *
237	Original	277	Original	319	2 nd *
238	Original	278	Original	320	2 nd *
239	2 nd *	278.1	Original	321	2 nd *
240	2 nd *	279	2 nd *	322	2 nd *
241	Original	280	Original	323	2 nd *
242	Original	281	Original	324	2 nd *
243	Original	282	Original	325	2 nd *
244	Original	283	Original	326	2 nd *
245	Original	284	2 nd *	327	2 nd *
246	Original	285	2 nd *	328	2 nd *
247	Original	286	2 nd *	329	2 nd *
248	Original	287	2 nd *	329.1	Original
249	Original	288	2 nd *	329.2	Original
250	2 nd *	289	2 nd *	330	1 st
251	Original	290	2 nd *	331	Original
252	Original	291	2 nd *	332	Original
253	Original	292	2 nd *	333	Original
254	2 nd *	293	2 nd *	334	Original
255	2 nd *	294	2 nd *	335	Original
256	2 nd *	295	2 nd *	336	Original
257	2 nd *	296	2 nd *	336.1	Original
258	2 nd *	297	2 nd *	337	Original
259	2 nd *	298	Original	338	Original
260	2 nd *	299	Original	339	Original
261	2 nd *	300	2 nd *	339.1	Original
262	2 nd *	301	2 nd *	340	2 nd *
263	2 nd *	302	Original	341	Original
264	2 nd *	303	Original	342	Original
265	2 nd *	304	Original	343	Original
266	2 nd *	305	Original	344	Original
267	2 nd *	306	Original	345	2 nd *
268	2 nd *	307	Original	346	2 nd *
268.1	1 st *	308	Original	347	2 nd *
268.2	1 st *	309	Original	348	2 nd *
269	1 st	310	Original	349	2 nd *
270	Original	311	2 nd *	350	2 nd *
271	Original	312	Original	351	2 nd *

*New or revised page

Transmittal No. 6

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Except as Indicated</u>
				432	Original
				433	Original
		392	Original	434	Original
352	2 nd *	393	Original	435	Original
353	2 nd *	394	Original	436	Original
354	2 nd *	395	Original	437	1 st *
355	2 nd *	396	Original	438	1 st *
356	2 nd *	397	Original	439	1 st *
357	2 nd *	397.1	Original	440	1 st *
358	2 nd *	398	Original	441	1 st *
359	Original	399	Original	442	1 st
360	Original	400	Original	443	1 st *
361	2 nd *	400.1	Original	444	1 st *
362	2 nd *	401	1 st *	445	1 st *
363	Original	402	Original	446	1 st *
364	Original	403	Original	447	1 st *
365	Original	404	Original	448	1 st *
366	Original	405	Original	449	1 st *
367	Original	406	1 st *	450	1 st *
368	Original	407	1 st *	451	1 st *
369	Original	408	1 st *	451.1	1 st *
370	Original	409	1 st *	451.2	1 st *
371	Original	410	1 st *	452	Original
372	2 nd *	411	1 st *		
373	Original	412	1 st *		
374	Original	413	1 st *		
375	Original	414	1 st *		
376	2 nd *	415	1 st *		
377	2 nd *	416	1 st *		
378	2 nd *	417	1 st *		
379	2 nd *	418	1 st *		
380	2 nd *	419	1 st *		
381	2 nd *	420	Original		
382	2 nd *	421	Original		
383	2 nd *	422	1 st *		
384	2 nd *	423	1 st *		
385	2 nd *	424	Original		
386	2 nd *	425	Original		
387	2 nd *	426	Original		
388	2 nd *	427	Original		
389	2 nd *	428	Original		
390	2 nd *	429	Original		
390.1	1 st *	430	Original		
390.2	1 st *	431	Original		
391	1 st				

Transmittal No. 6

*New or revised page

Number of
Revision

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	
<u>Premium</u>		
Per Originating Access Minute	\$.090280	
Per Terminating Access Minute	\$.002133	(R)

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$0.0992
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	\$21.50	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$30.94		
(2)	Channel Mileage Termination Per Termination	\$ 2.16		
(C)	Optional Features and Functions			
(1)	Bridging			
	(a) Three Premises Bridging Per Port	\$ 4.48		
	(b) Series Bridging Per Port	\$ 4.48		
(2)	DSL Access Service Connection			
	(a) Per 10BASE-T	\$167.55	\$450.00	
	(b) Per 100BASE-T	\$894.42	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$21.50	\$450.00	(R)
-	Four-Wire	\$43.01	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$ 2.58		
(2)	Channel Mileage Termination Per Termination	\$25.85		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$ 4.48		
-	Four-Wire	\$ 4.48		(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$36.11	\$450.00	(R)
-	Four-Wire	\$57.79	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$ 2.58		
(2)	Channel Mileage Termination Per Termination	\$25.85		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	<u>Voice Bridging</u> Per Port			
-	Two-Wire	\$ 4.48		
-	Four-Wire	\$ 4.48		(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$ 4.48	(R)
- Four-Wire	\$ 4.48	

(c) Telephoto Bridging per port

- Two-Wire	\$ 4.48
- Four-Wire	\$ 4.48

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$15.27
- Four-wire	\$80.97

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$16.33
- Four-wire	\$70.72

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$ 7.13	
- Summation	\$ 2.79	(R)

Passive Bridging Channel
Connections
Per channel connected

\$ 0.19

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(2) Conditioning Per Termination		
- C-Type	\$ 6.57	(R)
- Improved Attenuation Distortion*	None	
- Improved Envelope Delay Distortion* None		
- Data Capability	\$ 5.84	(R)
- Telephoto Capability	\$ 6.21	(R)
- Sealing Current	None	
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
- Two-Wire	\$ 9.40	(R)
- Four-Wire	\$ 9.40	
(4) Customer Specified Receive Level per two-wire termination	\$ 7.10	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$155.62	(R)
(6) Signaling Capability Per termination	\$ 15.05	
(7) Selective Signaling Arrangement Per arrangement	\$ 4.48	
(8) Transfer Arrangement (key activated* or Dial-Up**)		
- Per four port arrangement including control channel termination***	\$ 2.15	
- Per five port arrangement including control channel termination***	\$ 4.92	(R)
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$38.27	\$3.83	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	66.66	6.66	450.00	450.00	
- 50 to 8000 Hz	66.66	6.66	450.00	450.00	
- 50 to 15000 Hz	66.66	6.66	450.00	450.00	(R)
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$ 2.58 (R)	\$0.26	
- 100 to 5000 Hz			5.15	0.51	(R)
- 50 to 8000 Hz			7.72	0.77	
- 50 to 15000 Hz			10.29	1.03	(R)
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$25.85	\$2.59	(R)
- 100 to 5000 Hz			51.70	5.17	
- 50 to 8000 Hz			77.55	7.76	
- 50 to 15000 Hz			103.40	10.34	(R)

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$13.74	\$1.38	(R)
(2)	Gain Conditioning per service	\$9.59	\$0.96	 (R)
(3)	Stereo per service	\$16.98	\$1.70	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
-	TV-1 or 2	\$395.48	\$217.51	\$330.00	\$330.00	(R)
-	4TV-5	395.48	217.51	330.00	330.00	
-	6TV-5	395.48	217.51	330.00	330.00	
-	TV-15	395.48	217.51	330.00	330.00	
(B)	Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(1)	Channel Mileage Facility Per Mile					
-	All			\$336.60	\$185.13	
(2)	Channel Mileage Termination Per Termination					
-	All			\$358.63	\$197.25	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per termination			
- 2.4 kbps	\$66.66	\$390.00	(R)
- 4.8 kbps	66.66	390.00	
- 9.6 kbps	66.66	390.00	
- 19.2 kbps	66.66	390.00	
- 56.0 kbps	66.66	390.00	
- 64.0 kbps	66.66	390.00	(R)
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile			
- 2.4 kbps	\$ 2.45		(R)
- 4.8 kbps	2.45		
- 9.6 kbps	2.45		
- 19.2 kbps	2.45		
- 56.0 kbps	3.47		
- 64.0 kbps	3.47		(R)
(2) Channel Mileage Termination Per Termination			
- 2.4 kbps	\$24.56		(R)
- 4.8 kbps	24.56		
- 9.6 kbps	24.56		
- 19.2 kbps	24.56		
- 56.0 kbps	34.80		
- 64.0 kbps	34.80		(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$ 6.03	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$ 4.27	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$21.36	(R)
- 4.8 kbps	21.36	
- 9.6 kbps	21.36	
- 56.0 kbps	21.36	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 166.12	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	\$1,369.52		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*	\$ 3.47		(R)
-	1.544 Mbps	10.28		(R)
-	3.152 Mbps	ICB		
-	6.312 Mbps	ICB		
-	44.736 Mbps	89.52		(R)
-	274.176 Mbps	ICB		

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 34.80	(R)
	- 1.544 Mbps	53.32	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	342.37	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services	
36 months	10%
60 months	20%

(D) Optional Features and Functions

(1)	Multiplexing, per arrangement	<u>Monthly Rate</u>	
	DS4 to DS1	ICB	
	DS3 to DS1	\$326.32	(R)
	DS2 to DS1	ICB	
	DS1C to DS1	ICB	
	DS1 to Voice **	\$ 134.67	(R)
	DS1 to DS0	\$ 134.67	(R)
	DS0 to Subrates		
	- Up to 20 2.4 kbps services	\$321.97	(R)
	- Up to 10 4.8 kbps services	218.78	
	- Up to 5 9.6 kbps services	194.00	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$ 108.69		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$ 118.48		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 61.64 247.68		(R)
(E)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 167.55 1,163.60	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$1,398.28	\$360.00	(R)
	- OC12	622.08 Mbps	1,747.51	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$ 95.95		(R)
	- OC12	622.08 Mbps	120.43		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 356.93		(R)
	- OC12	622.08 Mbps	777.16		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1)	Customer Node				
	Per Node				
	- OC3/OC3c	155.52 Mbps	\$ 324.69	\$640.00	(R)
	- OC12	622.08 Mbps	937.98	640.00	
	Customer Premises Port				
	Per Port				
	- OC3/OC3c	155.52 Mbps	\$ 124.70		
	- STS-1	51.84 Mbps	127.92	\$640.00	
	- DS3	44.736 Mbps	127.92	640.00	
	- DS1	1.544 Mbps	32.79	640.00	
(2)	Add/Drop Multiplexing				
	Central Office Port				
	Per Port				
	- OC3/OC3c	155.52 Mbps	\$ 124.70		(R)
	- DS3	44.736 Mbps	65.59		
	- DS1	1.544 Mbps	26.24		
(3)	Shared SONET Ring				
	Interoffice Transport				
	Per Channel Mileage				
	Facility				
	- OC3/OC3c		None		
	- OC12		None		
(4)	DSL Access Service				
	Connection				
	- Per OC3/OC3c		\$2,038.62	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$118.20	\$345.00	(R)
64.0 kbps	\$118.20	\$345.00	
1.544 Mbps	\$251.43	\$345.00	
44.736 Mbps	\$1,866.08	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$251.43	\$345.00	
44.736 Mbps	\$1,866.08	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$48.20		
64.0 kbps	\$48.20		
1.544 Mbps	\$112.23		
44.736 Mbps	\$854.84		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$112.23		
44.736 Mbps	\$854.84		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>	
8 kbps	\$ 3.44	(R)
16 kbps	\$ 3.44	
28 kbps	\$ 4.13	
32 kbps	\$ 4.13	
56 kbps	\$ 4.82	
64 kbps	\$ 4.82	
128 kbps	\$ 6.18	
192 kbps	\$ 8.26	
256 kbps	\$ 9.64	
384 kbps	\$ 13.78	
512 kbps	\$ 19.27	
768 kbps	\$ 24.79	(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>	
8 kbps	\$ 4.13	(R)
16 kbps	\$ 4.13	
28 kbps	\$ 5.23	
32 kbps	\$ 5.23	
56 kbps	\$ 10.21	
64 kbps	\$ 10.21	
128 kbps	\$ 22.37	
192 kbps	\$ 30.11	
256 kbps	\$ 40.05	
384 kbps	\$ 64.15	
512 kbps	\$ 80.12	
768 kbps	\$119.93	(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$307.72	\$390.00
44.736 Mbps	\$1,709.49	\$390.00
155.52 Mbps	\$2,648.88	\$390.00
622.08 Mbps	\$3,844.98	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$473.95	\$1,780.00
100 Mbps	\$894.42	\$1,780.00
1 Gbps	\$1,729.59	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
\$3.44	\$64.00	(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>	
\$19.80	\$15.83	\$11.89	\$9.90	(R)

- Path Size 51 to 150 Mbps

\$17.81	\$13.86	\$9.90	\$7.92	
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- Path Size Over 150 Mbps

\$13.86	\$9.90	\$7.92	\$5.94	
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
\$3.85	\$64.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$23.10	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$1.52	\$2.94	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$54.99	\$295.00
5 Mbps	\$67.48	\$295.00
10 Mbps	\$77.93	\$295.00
20 Mbps	\$85.54	\$295.00
50 Mbps	\$98.90	\$295.00
100 Mbps	\$109.90	\$295.00
250 Mbps	\$156.51	\$295.00
500 Mbps	\$205.14	\$442.00
750 Mbps	\$238.38	\$442.00
1 Gbps	\$272.90	\$442.00
2.5 Gbps	\$527.48	\$442.00
5 Gbps	\$800.54	\$442.00
10 Gbps	\$1,093.54	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$193.23	\$295.00
5 Mbps	\$195.36	\$295.00
10 Mbps	\$198.13	\$295.00
20 Mbps	\$224.15	\$295.00
50 Mbps	\$253.38	\$295.00
100 Mbps	\$265.14	\$295.00
250 Mbps	\$276.90	\$295.00
500 Mbps	\$366.31	\$442.00
750 Mbps	\$421.37	\$442.00
1 Gbps	\$488.41	\$442.00
2.5 Gbps	\$942.38	\$442.00
5 Gbps	\$1,431.25	\$442.00
10 Gbps	\$1,955.50	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$69.97	\$259.00	(R)
5 Mbps	\$77.47	\$259.00	
10 Mbps	\$85.54	\$259.00	
20 Mbps	\$95.04	\$259.00	
50 Mbps	\$100.73	\$259.00	
100 Mbps	\$109.90	\$259.00	
250 Mbps	\$151.69	\$259.00	
500 Mbps	\$192.32	\$388.00	
750 Mbps	\$243.20	\$388.00	
1 Gbps	\$293.06	\$388.00	
2.5 Gbps	\$562.86	\$388.00	
5 Gbps	\$855.53	\$388.00	
10 Gbps	\$1,170.73	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$1,140.55	\$175.00	(R)
155.52 Mbps	\$1,368.67	\$262.00	
622.08 Mbps	\$2,281.11	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.42	\$0.87	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.24	\$0.47 (R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.13	\$0.27 (R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.09	\$0.19

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$29.99	\$205.00
5 Mbps	\$40.55	\$205.00
10 Mbps	\$76.03	\$205.00
20 Mbps	\$152.07	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.43	\$2.87

(R)

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
50 Mbps	\$205.14	\$205.00	(R)
100 Mbps	\$327.24	\$205.00	
250 Mbps	\$674.20	\$205.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.86	\$1.72	(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
500 Mbps	\$1,123.37	\$307.00	(R)
750 Mbps	\$1,492.87	\$307.00	
1 Gbps	\$1,953.68	\$307.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.52	\$1.03	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2.5 Gbps	\$3,763.06	\$307.00	(R)
5 Gbps	\$5,718.58	\$307.00	
10 Gbps	\$7,822.03	\$307.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.32	\$0.64	(R)

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$19.99	\$410.00	(R)
5 Mbps	\$25.34	\$410.00	
10 Mbps	\$45.63	\$410.00	
20 Mbps	\$91.24	\$410.00	
50 Mbps	\$136.76	\$410.00	
100 Mbps	\$218.96	\$410.00	
250 Mbps	\$457.50	\$410.00	
500 Mbps	\$708.22	\$615.00	
750 Mbps	\$963.14	\$615.00	
1 Gbps	\$1,221.04	\$615.00	
2.5 Gbps	\$2,354.32	\$615.00	
5 Gbps	\$3,576.52	\$615.00	
10 Gbps	\$4,888.77	\$615.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$70.30	\$410.00
5 Mbps	\$91.24	\$410.00
10 Mbps	\$176.97	\$410.00
20 Mbps	\$336.16	\$410.00
50 Mbps	\$556.88	\$410.00
100 Mbps	\$786.64	\$410.00
250 Mbps	\$1,790.05	\$410.00
500 Mbps	\$2,452.44	\$615.00
750 Mbps	\$3,289.82	\$615.00
1 Gbps	\$4,164.53	\$615.00
2.5 Gbps	\$8,015.86	\$615.00
5 Gbps	\$12,182.12	\$615.00
10 Gbps	\$16,655.97	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$117.72	\$410.00
5 Mbps	\$186.36	\$410.00
10 Mbps	\$362.97	\$410.00
20 Mbps	\$490.49	\$410.00
50 Mbps	\$992.46	\$410.00
100 Mbps	\$1,209.86	\$410.00
250 Mbps	\$2,098.35	\$410.00
500 Mbps	\$2,873.42	\$615.00
750 Mbps	\$3,865.87	\$615.00
1 Gbps	\$4,915.04	\$615.00
2.5 Gbps	\$9,463.42	\$615.00
5 Gbps	\$14,376.07	\$615.00
10 Gbps	\$19,659.65	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$2.79	\$3.45	\$7.00

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(a) DSL Access Service Connection (Cont'd)(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.43	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$105.02	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$262.37	\$560.00	

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$241.85	\$560.00	
- 2.5 Gbps to 10 Gbps	\$588.07	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$1.61

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$1.68

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$2.01

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$13.49

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$9.15

(R)

(R)

(R)

(R)

ACCESS SERVICE

17. Rates and Charges – Granada Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate
Per 10 Mbps
 \$114.43

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate
Per 10 Mbps
 \$167.25

(R)

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	
<u>Premium</u>		
Per Originating Access Minute	\$.013275	
Per Terminating Access Minute	\$.002133	(R)

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$.0292
- Premium Per 100 Terminating Access Minutes #	\$.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly Rate	Nonrecurring Charge	
(A)	Channel Termination Per Termination	\$35.49	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$51.09		
(2)	Channel Mileage Termination Per Termination	\$ 3.56		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$ 7.40		
(b)	Series Bridging Per Port	\$ 7.40		
(3)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$276.68	\$450.00	
(b)	Per 100BASE-T	\$1,476.92	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$35.49	\$450.00	(R)
-	Four-Wire	\$71.02	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$ 4.25		
(2)	Channel Mileage Termination Per Termination	\$42.69		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$ 7.40		
-	Four-Wire	\$ 7.40		(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$59.63	\$450.00	(R)
-	Four-Wire	\$95.42	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$ 4.25		
(2)	Channel Mileage Termination Per Termination	\$42.69		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	<u>Voice Bridging</u> Per Port			
-	Two-Wire	\$ 7.40		
-	Four-Wire	\$ 7.40		(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$ 7.40	(R)
- Four-Wire	\$ 7.40	

(c) Telephoto Bridging per port

- Two-Wire	\$ 7.40
- Four-Wire	\$ 7.40

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$ 25.22
- Four-wire	\$133.70

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$ 26.97
- Four-wire	\$116.78

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$ 11.78
- Summation	\$ 4.60

Passive Bridging Channel
Connections
Per channel connected

\$ 0.32	(R)
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ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(2) Conditioning Per Termination		
- C-Type	\$ 10.87	(R)
- Improved Attenuation Distortion*	None	
- Improved Envelope Delay Distortion* None		
- Data Capability	\$ 9.64	
- Telephoto Capability	\$ 10.25	
- Sealing Current	None	
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
- Two-Wire	\$15.52	
- Four-Wire	\$15.52	
(4) Customer Specified Receive Level per two-wire termination	\$11.73	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C) Optional Features and Functions (Cont'd)			
(5)	Multiplexing Per arrangement Voice to Telegraph Grade	\$256.96	(R)
(6)	Signaling Capability Per termination	\$ 24.85	
(7)	Selective Signaling Arrangement Per arrangement	\$ 7.40	
(8)	Transfer Arrangement (key activated* or Dial-Up**)		
-	Per four port arrangement including control channel termination***	\$ 3.54	
-	Per five port arrangement including control channel termination***	\$ 8.12	(R)
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$ 63.21	\$ 6.33	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	110.06	11.00	450.00	450.00	
- 50 to 8000 Hz	110.06	11.00	450.00	450.00	
- 50 to 15000 Hz	110.06	11.00	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$ 4.25	\$ 0.43	
- 100 to 5000 Hz			8.49	0.85	
- 50 to 8000 Hz			12.75	1.28	
- 50 to 15000 Hz			16.99	1.70	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$ 42.69	\$ 4.27	(R)
- 100 to 5000 Hz			85.37	8.54	
- 50 to 8000 Hz			128.06	12.81	
- 50 to 15000 Hz			170.74	17.07	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$22.68	\$2.26	(R)
(2)	Gain Conditioning per service	\$15.83	\$1.58	 (R)
(3)	Stereo per service	\$28.04	\$2.81	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff F.C.C. No. 5.

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
	- TV-1 or 2	\$653.04	\$359.17	\$330.00	\$330.00	(R)
	- 4TV-5	653.04	359.17	330.00	330.00	
	- 6TV-5	653.04	359.17	330.00	330.00	
	- TV-15	653.04	359.17	330.00	330.00	
(B)	Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
	(1) Channel Mileage Facility Per Mile					
	- All			\$555.82	\$305.70	
	(2) Channel Mileage Termination Per Termination					
	- All			\$592.19	\$325.70	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per termination			
	- 2.4 kbps	\$110.06	\$390.00	(R)
	- 4.8 kbps	110.06	390.00	
	- 9.6 kbps	110.06	390.00	
	- 19.2 kbps	110.06	390.00	
	- 56.0 kbps	110.06	390.00	
	- 64.0 kbps	110.06	390.00	
(B)	Channel Mileage			
	(1) Channel Mileage Facility Per Mile			
	- 2.4 kbps	\$ 4.05		
	- 4.8 kbps	4.05		
	- 9.6 kbps	4.05		
	- 19.2 kbps	4.05		
	- 56.0 kbps	5.72		
	- 64.0 kbps	5.72		
	(2) Channel Mileage Termination Per Termination			
	- 2.4 kbps	\$40.55		
	- 4.8 kbps	40.55		
	- 9.6 kbps	40.55		
	- 19.2 kbps	40.55		
	- 56.0 kbps	57.47		
	- 64.0 kbps	57.47		(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$ 9.95	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$ 7.06	
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$35.28	
- 4.8 kbps	35.28	
- 9.6 kbps	35.28	
- 56.0 kbps	35.28	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 274.30	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	2,261.40		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage		<u>Monthly Rate</u>	
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$ 5.72	(R)
-	1.544 Mbps		16.97	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		147.82	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 57.47	(R)
	- 1.544 Mbps	88.05	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	565.34	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services	
36 months	10%
60 months	20%

(D) Optional Features and Functions

(1)		<u>Monthly Rate</u>	
	Multiplexing, per arrangement		
	DS4 to DS1	ICB	
	DS3 to DS1	\$538.83	(R)
	DS2 to DS1	ICB	
	DS1C to DS1	ICB	
	DS1 to Voice **	\$222.88	(R)
	DS1 to DS0	\$222.88	(R)
	DS0 to Subrates		
	- Up to 20 2.4 kbps services	\$531.66	(R)
	- Up to 10 4.8 kbps services	361.27	
	- Up to 5 9.6 kbps services	320.35	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$ 179.49		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$ 195.63		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 101.79 408.99		(R)
(F)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 276.68 1,921.40	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$2,308.92	\$360.00	(R)
	- OC12	622.08 Mbps	2,885.59	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$ 158.44		
	- OC12	622.08 Mbps	198.86		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 589.39		
	- OC12	622.08 Mbps	1,283.29		(R)
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1)	Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$ 536.15	\$640.00	(R)
-	OC12	622.08 Mbps	1,548.85	640.00	
	Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$ 205.91		
-	STS-1	51.84 Mbps	211.23	\$640.00	
-	DS3	44.736 Mbps	211.23	640.00	
-	DS1	1.544 Mbps	54.14		
(2)	Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$ 205.91		
-	DS3	44.736 Mbps	108.31		
-	DS1	1.544 Mbps	43.33		(R)
(3)	Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None		
-	OC12		None		
(4)	DSL Access Service Connection				
-	Per OC3/OC3c		\$3,366.28	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$195.18	\$345.00	(R)
64.0 kbps	\$195.18	\$345.00	
1.544 Mbps	\$415.17	\$345.00	
44.736 Mbps	\$3,081.39	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$415.17	\$345.00	
44.736 Mbps	\$3,081.39	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$79.58		
64.0 kbps	\$79.58		
1.544 Mbps	\$185.33		
44.736 Mbps	\$1,411.57		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$185.33		
44.736 Mbps	\$1,411.57		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

CIRMonthly
Rate

8 kbps	\$ 5.69
16 kbps	\$ 5.69
28 kbps	\$ 6.82
32 kbps	\$ 6.82
56 kbps	\$ 7.97
64 kbps	\$ 7.97
128 kbps	\$ 10.21
192 kbps	\$ 13.64
256 kbps	\$ 15.93
384 kbps	\$ 22.74
512 kbps	\$ 31.82
768 kbps	\$ 40.92

(R)

(b) Extended

CIRMonthly
Rate

8 kbps	\$ 6.82
16 kbps	\$ 6.82
28 kbps	\$ 8.63
32 kbps	\$ 8.63
56 kbps	\$ 16.86
64 kbps	\$ 16.86
128 kbps	\$ 36.95
192 kbps	\$ 49.73
256 kbps	\$ 66.13
384 kbps	\$105.92
512 kbps	\$132.29
768 kbps	\$198.04

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$508.12	\$390.00
44.736 Mbps	\$2,822.81	\$390.00
155.52 Mbps	\$4,373.99	\$390.00
622.08 Mbps	\$6,349.06	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$782.61	\$1,780.00
100 Mbps	\$1,476.92	\$1,780.00
1 Gbps	\$2,856.00	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$5.69	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$32.69	\$26.15	\$19.63	\$16.35

- Path Size 51 to 150 Mbps

\$29.42	\$22.88	\$16.35	\$13.07
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- Path Size Over 150 Mbps

\$22.88	\$16.35	\$13.07	\$9.80
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$6.37	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$38.14	\$64.00

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$2.51	\$4.86	\$7.00

(v) Per MM-VCC Design Change

Nonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

(R)

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$90.80	\$295.00
5 Mbps	\$111.41	\$295.00
10 Mbps	\$128.68	\$295.00
20 Mbps	\$141.26	\$295.00
50 Mbps	\$163.32	\$295.00
100 Mbps	\$181.48	\$295.00
250 Mbps	\$258.44	\$295.00
500 Mbps	\$338.73	\$442.00
750 Mbps	\$393.62	\$442.00
1 Gbps	\$450.63	\$442.00
2.5 Gbps	\$870.99	\$442.00
5 Gbps	\$1,322.42	\$442.00
10 Gbps	\$1,805.72	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$319.07	\$295.00
5 Mbps	\$322.58	\$295.00
10 Mbps	\$327.17	\$295.00
20 Mbps	\$370.12	\$295.00
50 Mbps	\$418.40	\$295.00
100 Mbps	\$437.81	\$295.00
250 Mbps	\$457.23	\$295.00
500 Mbps	\$604.88	\$442.00
750 Mbps	\$695.80	\$442.00
1 Gbps	\$806.50	\$442.00
2.5 Gbps	\$1,556.11	\$442.00
5 Gbps	\$2,363.37	\$442.00
10 Gbps	\$3,299.04	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$115.55	\$259.00	(R)
5 Mbps	\$127.91	\$259.00	
10 Mbps	\$141.26	\$259.00	
20 Mbps	\$156.94	\$259.00	
50 Mbps	\$166.33	\$259.00	
100 Mbps	\$181.48	\$259.00	
250 Mbps	\$250.49	\$259.00	
500 Mbps	\$317.58	\$388.00	
750 Mbps	\$401.58	\$388.00	
1 Gbps	\$483.91	\$388.00	
2.5 Gbps	\$929.41	\$388.00	
5 Gbps	\$1,412.70	\$388.00	
10 Gbps	\$1,933.18	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$1,883.35	\$175.00	(R)
155.52 Mbps	\$2,260.03	\$262.00	
622.08 Mbps	\$3,766.71	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.70	\$1.44	(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.40	\$0.78

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.22	\$0.45

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.16	\$0.32

(R)

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$49.52	\$205.00
5 Mbps	\$66.96	\$205.00
10 Mbps	\$125.55	\$205.00
20 Mbps	\$251.11	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$2.36	\$4.73

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$338.73	\$205.00
100 Mbps	\$540.36	\$205.00
250 Mbps	\$1,113.28	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.42	\$2.84

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$1,854.97	\$307.00
750 Mbps	\$2,465.12	\$307.00
1 Gbps	\$3,226.04	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.86	\$1.70

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$6,213.79	\$307.00
5 Gbps	\$9,442.84	\$307.00
10 Gbps	\$12,916.19	\$307.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Gbps to 10 GbpsMonthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.53	\$1.06

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$33.01	\$410.00
5 Mbps	\$41.84	\$410.00
10 Mbps	\$75.34	\$410.00
20 Mbps	\$150.67	\$410.00
50 Mbps	\$225.82	\$410.00
100 Mbps	\$362.93	\$410.00
250 Mbps	\$755.44	\$410.00
500 Mbps	\$1,169.45	\$615.00
750 Mbps	\$1,590.39	\$615.00
1 Gbps	\$2,016.27	\$615.00
2.5 Gbps	\$3,887.60	\$615.00
5 Gbps	\$5,905.75	\$615.00
10 Gbps	\$8,072.62	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$90.16	\$410.00
5 Mbps	\$117.03	\$410.00
10 Mbps	\$226.97	\$410.00
20 Mbps	\$431.15	\$410.00
50 Mbps	\$714.22	\$410.00
100 Mbps	\$1,008.90	\$410.00
250 Mbps	\$2,295.83	\$410.00
500 Mbps	\$3,145.37	\$615.00
750 Mbps	\$4,219.35	\$615.00
1 Gbps	\$5,341.20	\$615.00
2.5 Gbps	\$10,280.72	\$615.00
5 Gbps	\$15,624.15	\$615.00
10 Gbps	\$21,362.08	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.98	\$410.00
5 Mbps	\$239.02	\$410.00
10 Mbps	\$465.53	\$410.00
20 Mbps	\$629.08	\$410.00
50 Mbps	\$1,272.88	\$410.00
100 Mbps	\$1,551.70	\$410.00
250 Mbps	\$2,691.24	\$410.00
500 Mbps	\$3,685.30	\$615.00
750 Mbps	\$4,958.17	\$615.00
1 Gbps	\$6,303.78	\$615.00
2.5 Gbps	\$12,137.29	\$615.00
5 Gbps	\$18,437.99	\$615.00
10 Gbps	\$25,214.45	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>	
\$4.60	\$5.70	\$7.00	(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.55	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$134.70	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$336.50	\$560.00	

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$310.19	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$754.23	\$560.00	

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$2.99

(R)

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$3.14

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$3.74

(R)

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$25.10

(R)

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$17.03

(R)

ACCESS SERVICE

17. Rates and Charges – Pine Island Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate
Per 10 Mbps
 \$146.76

(R)

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate
Per 10 Mbps
 \$214.50

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	(R)
<u>Premium</u>		
Per Originating Access Minute	\$.006034	
Per Terminating Access Minute	\$.002133	

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$0.0221
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	\$127.57	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$183.64		
(2)	Channel Mileage Termination Per Termination	\$12.81		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$25.87		
(b)	Series Bridging Per Port	\$25.87		
(4)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$994.89	\$450.00	
(b)	Per 100BASE-T	\$5,164.43	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$127.57	\$450.00	(R)
-	Four-Wire	\$255.24	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$15.31		
(2)	Channel Mileage Termination Per Termination	\$153.46		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$25.87		
-	Four-Wire	\$25.87		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per Termination			
- Two-Wire	\$214.33	\$450.00	(R)
- Four-Wire	\$342.95	\$450.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile	\$15.31		
(2) Channel Mileage Termination Per Termination	\$153.46		
(C) Optional Features and Functions			
(1) Bridging			
(a) <u>Voice Bridging</u> Per Port			
- Two-Wire	\$25.87		
- Four-Wire	\$25.87		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$25.87	(R)
- Four-Wire	\$25.87	

(c) Telephoto Bridging per port

- Two-Wire	\$25.87
- Four-Wire	\$25.87

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$88.17
- Four-wire	\$467.50

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$94.32
- Four-wire	\$408.36

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$41.18	
- Summation	\$16.11	(R)

Passive Bridging Channel
Connections
Per channel connected

\$1.13

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C)	Optional Features and Functions (Cont'd)		
	(2) Conditioning Per Termination		
	- C-Type	\$37.98	(R)
	- Improved Attenuation Distortion*	None	
	- Improved Envelope Delay Distortion* None		
	- Data Capability	\$33.73	
	- Telephoto Capability	\$35.82	
	- Sealing Current	None	
	(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
	- Two-Wire	\$54.27	
	- Four-Wire	\$54.27	
	(4) Customer Specified Receive Level per two-wire termination	\$41.01	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate

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

(5)	Multiplexing Per arrangement Voice to Telegraph Grade	\$898.55	(R)
(6)	Signaling Capability Per termination	\$86.89	
(7)	Selective Signaling Arrangement Per arrangement	\$25.87	
(8)	Transfer Arrangement (key activated* or Dial-Up**)		
-	Per four port arrangement including control channel termination***	\$12.39	
-	Per five port arrangement including control channel termination***	\$28.43	(R)
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$227.18	\$22.72	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	395.59	39.56	450.00	450.00	
- 50 to 8000 Hz	395.59	39.56	450.00	450.00	
- 50 to 15000 Hz	395.59	39.56	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$15.31	\$1.53	
- 100 to 5000 Hz			30.52	3.05	
- 50 to 8000 Hz			45.83	4.58	
- 50 to 15000 Hz			61.10	6.11	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$153.46	\$15.35	(R)
- 100 to 5000 Hz			306.84	30.69	
- 50 to 8000 Hz			460.29	46.03	
- 50 to 15000 Hz			613.66	61.37	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$79.29	\$7.93	(R)
(2)	Gain Conditioning per service	\$55.38	\$5.54	
(3)	Stereo per service	\$98.05	\$9.80	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
-	TV-1 or 2	\$2,347.16	\$1,290.94	\$330.00	\$330.00	(R)
-	4TV-5	2,347.16	1,290.94	330.00	330.00	
-	6TV-5	2,347.16	1,290.94	330.00	330.00	
-	TV-15	2,347.16	1,290.94	330.00	330.00	
(B)	Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(1)	Channel Mileage Facility Per Mile					
-	All			\$1,997.77	\$1,098.78	
(2)	Channel Mileage Termination Per Termination					
-	All			\$2,128.54	\$1,170.70	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per termination			
- 2.4 kbps	\$395.59	\$390.00	(R)
- 4.8 kbps	395.59	390.00	
- 9.6 kbps	395.59	390.00	
- 19.2 kbps	395.59	390.00	
- 56.0 kbps	395.59	390.00	
- 64.0 kbps	395.59	390.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile			
- 2.4 kbps	\$14.57		
- 4.8 kbps	14.57		
- 9.6 kbps	14.57		
- 19.2 kbps	14.57		
- 56.0 kbps	20.59		
- 64.0 kbps	20.59		
(2) Channel Mileage Termination Per Termination			
- 2.4 kbps	\$145.76		
- 4.8 kbps	145.76		
- 9.6 kbps	145.76		
- 19.2 kbps	145.76		
- 56.0 kbps	206.54		
- 64.0 kbps	206.54		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$34.81	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$24.67	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$123.37	(R)
- 4.8 kbps	123.37	
- 9.6 kbps	123.37	
- 56.0 kbps	123.37	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 986.34	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	8,131.66		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage			<u>Monthly Rate</u>
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$20.59	(R)
-	1.544 Mbps		61.05	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		531.54	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 206.54	(R)
	- 1.544 Mbps	316.60	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	2,032.90	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services

36 months 10%

60 months 20%

(D) Optional Features and FunctionsMonthly Rate

(1) Multiplexing, per arrangement

DS4 to DS1	ICB	
DS3 to DS1	\$1,884.16	(R)
DS2 to DS1	ICB	
DS1C to DS1	ICB	
DS1 to Voice **	\$777.60	(R)
DS1 to DS0	\$777.60	(R)
DS0 to Subrates		
- Up to 20 2.4 kbps services	\$1,859.09	(R)
- Up to 10 4.8 kbps services	1,263.28	
- Up to 5 9.6 kbps services	1,120.21	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$627.61		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$684.08		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 355.95 1,430.14		(R)
(G)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 994.89 6,909.07	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 8,302.54	\$360.00	(R)
	- OC12	622.08 Mbps	10,376.16	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$569.70		
	- OC12	622.08 Mbps	715.08		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$2,119.35		(R)
	- OC12	622.08 Mbps	4,614.52		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1)	Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$1,927.90	\$640.00	(R)
-	OC12	622.08 Mbps	5,569.44	640.00	
	Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$740.42		
-	STS-1	51.84 Mbps	759.54	\$640.00	
-	DS3	44.736 Mbps	759.54	640.00	
-	DS1	1.544 Mbps	194.68	640.00	
(2)	Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$740.42		
-	DS3	44.736 Mbps	389.44		
-	DS1	1.544 Mbps	155.80		(R)
(3)	Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None		
-	OC12		None		
(4)	DSL Access Service Connection				
-	Per OC3/OC3c		\$12,104.67	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in
Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>	
Residence		
- Individual line or trunk, each	\$2.50	(R)
(2) <u>Access Recovery Charge (ARC)</u>		
Single Line Business		
- Individual line or trunk, each	\$3.00	
(3) <u>Access Recovery Charge (ARC)</u>		
Multi Line Business		
- Individual line or trunk, each	\$3.00	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$682.51	\$345.00	(R)
64.0 kbps	\$682.51	\$345.00	
1.544 Mbps	\$1,451.74	\$345.00	
44.736 Mbps	\$10,774.90	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$1,451.74	\$345.00	
44.736 Mbps	\$10,774.90	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$278.30		
64.0 kbps	\$278.30		
1.544 Mbps	\$648.03		
44.736 Mbps	\$4,935.94		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$648.03		
44.736 Mbps	\$4,935.94		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$19.86
16 kbps	\$19.86
28 kbps	\$23.82
32 kbps	\$23.82
56 kbps	\$27.87
64 kbps	\$27.87
128 kbps	\$35.71
192 kbps	\$47.71
256 kbps	\$55.67
384 kbps	\$79.54
512 kbps	\$111.29
768 kbps	\$143.11

(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$23.82
16 kbps	\$23.82
28 kbps	\$30.19
32 kbps	\$30.19
56 kbps	\$58.97
64 kbps	\$58.97
128 kbps	\$129.18
192 kbps	\$173.87
256 kbps	\$231.26
384 kbps	\$370.37
512 kbps	\$462.61
768 kbps	\$692.49

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$1,776.79	\$390.00
44.736 Mbps	\$9,870.71	\$390.00
155.52 Mbps	\$15,294.83	\$390.00
622.08 Mbps	\$22,201.19	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$2,736.60	\$1,780.00
100 Mbps	\$5,164.43	\$1,780.00
1 Gbps	\$9,986.77	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$19.86	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$114.33	\$91.44	\$68.64	\$57.16

- Path Size 51 to 150 Mbps

\$102.87	\$80.02	\$57.16	\$45.71
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- Path Size Over 150 Mbps

\$80.02	\$57.16	\$45.71	\$34.26
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$19.57	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$117.27	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$7.71	\$14.92	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$224.91	\$295.00
5 Mbps	\$276.00	\$295.00
10 Mbps	\$318.77	\$295.00
20 Mbps	\$349.92	\$295.00
50 Mbps	\$404.58	\$295.00
100 Mbps	\$449.54	\$295.00
250 Mbps	\$640.19	\$295.00
500 Mbps	\$839.12	\$442.00
750 Mbps	\$975.08	\$442.00
1 Gbps	\$1,116.28	\$442.00
2.5 Gbps	\$2,157.61	\$442.00
5 Gbps	\$3,275.87	\$442.00
10 Gbps	\$4,473.11	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$850.05	\$295.00
5 Mbps	\$859.40	\$295.00
10 Mbps	\$871.62	\$295.00
20 Mbps	\$986.05	\$295.00
50 Mbps	\$1,114.67	\$295.00
100 Mbps	\$1,166.39	\$295.00
250 Mbps	\$1,218.12	\$295.00
500 Mbps	\$1,611.49	\$442.00
750 Mbps	\$1,853.69	\$442.00
1 Gbps	\$2,148.62	\$442.00
2.5 Gbps	\$4,145.64	\$442.00
5 Gbps	\$6,296.28	\$442.00
10 Gbps	\$8,602.53	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$307.83	\$259.00	(R)
5 Mbps	\$340.79	\$259.00	
10 Mbps	\$376.32	\$259.00	
20 Mbps	\$418.11	\$259.00	
50 Mbps	\$443.13	\$259.00	
100 Mbps	\$483.46	\$259.00	
250 Mbps	\$667.32	\$259.00	
500 Mbps	\$846.04	\$388.00	
750 Mbps	\$1,069.87	\$388.00	
1 Gbps	\$1,289.20	\$388.00	
2.5 Gbps	\$2,476.07	\$388.00	
5 Gbps	\$3,763.60	\$388.00	
10 Gbps	\$5,150.20	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$5,017.46	\$175.00
155.52 Mbps	\$6,020.96	\$262.00
622.08 Mbps	\$10,034.94	\$262.00

(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 MbpsMonthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.85	\$3.81

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.06	\$2.07

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.60	\$1.18

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.41	\$0.84

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$131.95	\$205.00	(R)
5 Mbps	\$178.38	\$205.00	
10 Mbps	\$334.47	\$205.00	
20 Mbps	\$668.99	\$205.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$6.27	\$12.61	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$902.44	\$205.00
100 Mbps	\$1,439.56	\$205.00
250 Mbps	\$2,965.90	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$3.78	\$7.57

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$4,941.85	\$307.00
750 Mbps	\$6,567.34	\$307.00
1 Gbps	\$8,594.52	\$307.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$2.29	\$4.53 (R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2.5 Gbps	\$16,554.24	\$307.00	(R)
5 Gbps	\$25,156.79	\$307.00	
10 Gbps	\$34,410.20	\$307.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.42	\$2.82 (R)

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$87.95	\$410.00	(R)
5 Mbps	\$111.46	\$410.00	
10 Mbps	\$200.71	\$410.00	
20 Mbps	\$401.40	\$410.00	
50 Mbps	\$601.62	\$410.00	
100 Mbps	\$966.90	\$410.00	
250 Mbps	\$2,012.60	\$410.00	
500 Mbps	\$3,115.55	\$615.00	
750 Mbps	\$4,237.01	\$615.00	
1 Gbps	\$5,371.55	\$615.00	
2.5 Gbps	\$10,357.02	\$615.00	
5 Gbps	\$15,733.60	\$615.00	
10 Gbps	\$21,506.38	\$615.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$77.55	\$410.00
5 Mbps	\$100.66	\$410.00
10 Mbps	\$195.23	\$410.00
20 Mbps	\$370.84	\$410.00
50 Mbps	\$614.33	\$410.00
100 Mbps	\$867.78	\$410.00
250 Mbps	\$1,974.72	\$410.00
500 Mbps	\$2,705.44	\$615.00
750 Mbps	\$3,629.21	\$615.00
1 Gbps	\$4,594.15	\$615.00
2.5 Gbps	\$8,842.79	\$615.00
5 Gbps	\$13,438.85	\$615.00
10 Gbps	\$18,374.24	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designed premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$129.87	\$410.00
5 Mbps	\$205.62	\$410.00
10 Mbps	\$400.42	\$410.00
20 Mbps	\$541.10	\$410.00
50 Mbps	\$1,094.85	\$410.00
100 Mbps	\$1,334.67	\$410.00
250 Mbps	\$2,314.82	\$410.00
500 Mbps	\$3,169.84	\$615.00
750 Mbps	\$4,264.68	\$615.00
1 Gbps	\$5,422.09	\$615.00
2.5 Gbps	\$10,439.68	\$615.00
5 Gbps	\$15,859.13	\$615.00
10 Gbps	\$21,687.78	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>	
\$14.15	\$17.50	\$7.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.55	\$7.00
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
- 2 Mbps to 1 Gbps	\$115.86	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$289.43	\$560.00	(R)

(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
- 2 Mbps to 1 Gbps	\$266.80	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$648.74	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association - Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$12.81

(R)

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$13.43

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$16.01

(R)

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$107.52

(R)

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$72.96

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association - Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$117.38

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$171.55

(R)

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	(R)
<u>Premium</u>		
Per Originating Access Minute	\$.018283	
Per Terminating Access Minute	\$.002133	

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$.0335
- Premium Per 100 Terminating Access Minutes #	\$.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly Rate	Nonrecurring Charge	
(A)	Channel Termination Per Termination	\$140.16	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$201.78		
(2)	Channel Mileage Termination Per Termination	\$14.07		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$28.42		
(b)	Series Bridging Per Port	\$28.42		
(5)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$1,093.15	\$450.00	
(b)	Per 100BASE-T	\$5,674.47	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$140.16	\$450.00	(R)
-	Four-Wire	\$280.45	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$16.82		
(2)	Channel Mileage Termination Per Termination	\$168.61		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$28.42		
-	Four-Wire	\$28.42		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$235.50	\$450.00	(R)
-	Four-Wire	\$376.83	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$16.82		
(2)	Channel Mileage Termination Per Termination	\$168.61		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	<u>Voice Bridging</u> Per Port			
-	Two-Wire	\$28.42		
-	Four-Wire	\$28.42		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$28.42	(R)
- Four-Wire	\$28.42	

(c) Telephoto Bridging per port

- Two-Wire	\$28.42
- Four-Wire	\$28.42

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$96.87
- Four-wire	\$513.67

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$103.63
- Four-wire	\$448.69

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$45.25
- Summation	\$17.70

Passive Bridging Channel
Connections
Per channel connected

\$1.24 (R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C)	Optional Features and Functions (Cont'd)		
	(2) Conditioning Per Termination		
	- C-Type	\$41.72	(R)
	- Improved Attenuation Distortion*	None	
	- Improved Envelope Delay Distortion* None		
	- Data Capability	\$37.06	(R)
	- Telephoto Capability	\$39.37	
	- Sealing Current	None	
	(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
	- Two-Wire	\$59.63	
	- Four-Wire	\$59.63	
	(4) Customer Specified Receive Level per two-wire termination	\$45.06	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C) Optional Features and Functions (Cont'd)			
(5)	Multiplexing Per arrangement Voice to Telegraph Grade	\$987.30	(R)
(6)	Signaling Capability Per termination	\$95.47	
(7)	Selective Signaling Arrangement Per arrangement	\$28.42	
(8)	Transfer Arrangement (key activated* or Dial-Up**)		
-	Per four port arrangement including control channel termination***	\$13.61	
-	Per five port arrangement including control channel termination***	\$31.23	(R)
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$249.62	\$24.96	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	434.65	43.46	450.00	450.00	
- 50 to 8000 Hz	434.65	43.46	450.00	450.00	
- 50 to 15000 Hz	434.65	43.46	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$16.82	\$1.68	
- 100 to 5000 Hz			33.53	3.35	
- 50 to 8000 Hz			50.36	5.03	
- 50 to 15000 Hz			67.12	6.72	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$168.61	\$16.86	(R)
- 100 to 5000 Hz			337.14	33.71	
- 50 to 8000 Hz			505.75	50.57	
- 50 to 15000 Hz			674.26	67.42	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$87.13	\$8.72	(R)
(2)	Gain Conditioning per service	\$60.85	\$6.08	
(3)	Stereo per service	\$107.74	\$10.78	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		Monthly	Daily*	Nonrecurring		
		<u>Rate</u>	<u>Rate</u>	<u>Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
-	TV-1 or 2	\$2,578.97	\$1,418.43	\$330.00	\$330.00	(R)
-	4TV-5	2,578.97	1,418.43	330.00	330.00	
-	6TV-5	2,578.97	1,418.43	330.00	330.00	
-	TV-15	2,578.97	1,418.43	330.00	330.00	
(B)	Channel Mileage			<u>Monthly</u>	<u>Daily*</u>	
				<u>Rate</u>	<u>Rate</u>	
(1)	Channel Mileage Facility Per Mile					
-	All			\$2,195.07	\$1,207.29	
(2)	Channel Mileage Termination Per Termination					
-	All			\$2,338.75	\$1,286.32	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per termination			
- 2.4 kbps	\$434.65	\$390.00	(R)
- 4.8 kbps	434.65	390.00	
- 9.6 kbps	434.65	390.00	
- 19.2 kbps	434.65	390.00	
- 56.0 kbps	434.65	390.00	
- 64.0 kbps	434.65	390.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile			
- 2.4 kbps	\$16.00		
- 4.8 kbps	16.00		
- 9.6 kbps	16.00		
- 19.2 kbps	16.00		
- 56.0 kbps	22.62		
- 64.0 kbps	22.62		
(2) Channel Mileage Termination Per Termination			
- 2.4 kbps	\$160.16		
- 4.8 kbps	160.16		
- 9.6 kbps	160.16		
- 19.2 kbps	160.16		
- 56.0 kbps	226.94		
- 64.0 kbps	226.94		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$38.25	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$27.10	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$135.56	(R)
- 4.8 kbps	135.56	
- 9.6 kbps	135.56	
- 56.0 kbps	135.56	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$1,083.74	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	8,934.73		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage		<u>Monthly Rate</u>	
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$22.62	(R)
-	1.544 Mbps		67.07	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		584.03	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 226.94	(R)
	- 1.544 Mbps	347.87	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	2,233.66	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services

36 months

10%

60 months

20%

(D) Optional Features and FunctionsMonthly Rate

(1) Multiplexing, per arrangement

DS4 to DS1

ICB

DS3 to DS1

\$2,070.24

(R)

DS2 to DS1

ICB

DS1C to DS1

ICB

DS1 to Voice **

\$854.40

(R)

DS1 to DS0

\$854.40

DS0 to Subrates

- Up to 20 2.4 kbps services

\$2,042.70

- Up to 10 4.8 kbps services

1,388.05

- Up to 5 9.6 kbps services

1,230.85

(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$689.60		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$751.63		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 391.11 1,571.38		(R)
(H)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$1,093.15 7,600.27	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 9,122.50	\$360.00	(R)
	- OC12	622.08 Mbps	11,400.90	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$625.97		
	- OC12	622.08 Mbps	785.71		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$2,328.67		(R)
	- OC12	622.08 Mbps	5,070.25		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1)	Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$2,118.30	\$640.00	(R)
-	OC12	622.08 Mbps	6,119.48	640.00	
	Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$813.54		
-	STS-1	51.84 Mbps	834.55	\$640.00	
-	DS3	44.736 Mbps	834.55	640.00	
-	DS1	1.544 Mbps	213.91	640.00	
(2)	Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$826.19		
-	DS3	44.736 Mbps	427.89		
-	DS1	1.544 Mbps	171.18		(R)
(3)	Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None		
-	OC12		None		
(4)	DSL Access Service Connection				
-	Per OC3/OC3c		\$13,300.13	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in
Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>	
Residence		
- Individual line or trunk, each – Hokah exchange	\$0.00	
- Individual line or trunk, each – all other exchanges	\$2.47	(R)
(2) <u>Access Recovery Charge (ARC)</u>		
Single Line Business		
- Individual line or trunk, each	\$3.00	
(3) <u>Access Recovery Charge (ARC)</u>		
Multi Line Business		
- Individual line or trunk, each	\$3.00	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$749.91	\$345.00	(R)
64.0 kbps	\$749.91	\$345.00	
1.544 Mbps	\$1,595.11	\$345.00	
44.736 Mbps	\$11,839.03	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$1,595.11	\$345.00	
44.736 Mbps	\$11,839.03	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$305.77		
64.0 kbps	\$305.77		
1.544 Mbps	\$712.04		
44.736 Mbps	\$5,423.42		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$712.04		
44.736 Mbps	\$5,423.42		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$21.83
16 kbps	\$21.83
28 kbps	\$26.17
32 kbps	\$26.17
56 kbps	\$30.63
64 kbps	\$30.63
128 kbps	\$39.23
192 kbps	\$52.42
256 kbps	\$61.16
384 kbps	\$87.39
512 kbps	\$122.27
768 kbps	\$157.25

(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$26.17
16 kbps	\$26.17
28 kbps	\$33.17
32 kbps	\$33.17
56 kbps	\$64.79
64 kbps	\$64.79
128 kbps	\$141.93
192 kbps	\$191.05
256 kbps	\$254.10
384 kbps	\$406.95
512 kbps	\$508.30
768 kbps	\$760.88

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$1,952.26	\$390.00
44.736 Mbps	\$10,845.54	\$390.00
155.52 Mbps	\$16,805.36	\$390.00
622.08 Mbps	\$24,393.78	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$3,006.86	\$1,780.00
100 Mbps	\$5,674.47	\$1,780.00
1 Gbps	\$10,973.06	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$21.83	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$125.61	\$100.48	\$75.42	\$62.81

- Path Size 51 to 150 Mbps

\$113.04	\$87.92	\$62.81	\$50.22
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- Path Size Over 150 Mbps

\$87.92	\$62.81	\$50.22	\$37.65
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$21.50	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$128.85	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$8.48	\$16.39	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$247.13	\$295.00
5 Mbps	\$303.26	\$295.00
10 Mbps	\$350.25	\$295.00
20 Mbps	\$384.48	\$295.00
50 Mbps	\$444.53	\$295.00
100 Mbps	\$493.94	\$295.00
250 Mbps	\$703.42	\$295.00
500 Mbps	\$922.00	\$442.00
750 Mbps	\$1,071.37	\$442.00
1 Gbps	\$1,226.53	\$442.00
2.5 Gbps	\$2,370.70	\$442.00
5 Gbps	\$3,599.40	\$442.00
10 Gbps	\$4,914.88	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$933.99	\$295.00
5 Mbps	\$944.28	\$295.00
10 Mbps	\$957.71	\$295.00
20 Mbps	\$1,083.42	\$295.00
50 Mbps	\$1,224.75	\$295.00
100 Mbps	\$1,281.57	\$295.00
250 Mbps	\$1,338.42	\$295.00
500 Mbps	\$1,770.64	\$442.00
750 Mbps	\$2,036.76	\$442.00
1 Gbps	\$2,360.82	\$442.00
2.5 Gbps	\$4,555.07	\$442.00
5 Gbps	\$6,918.10	\$442.00
10 Gbps	\$9,452.11	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$338.23	\$259.00	(R)
5 Mbps	\$374.44	\$259.00	
10 Mbps	\$413.49	\$259.00	
20 Mbps	\$459.39	\$259.00	
50 Mbps	\$486.89	\$259.00	
100 Mbps	\$531.21	\$259.00	
250 Mbps	\$733.22	\$259.00	
500 Mbps	\$929.60	\$388.00	
750 Mbps	\$1,175.54	\$388.00	
1 Gbps	\$1,416.52	\$388.00	
2.5 Gbps	\$2,720.61	\$388.00	
5 Gbps	\$4,135.30	\$388.00	
10 Gbps	\$5,658.83	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$5,512.98	\$175.00	(R)
155.52 Mbps	\$6,615.59	\$262.00	
622.08 Mbps	\$11,025.99	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$2.04	\$4.19	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.16	\$2.28

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.66	\$1.30 (R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.46	\$0.92 (R)

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$144.98	\$205.00
5 Mbps	\$196.00	\$205.00
10 Mbps	\$367.50	\$205.00
20 Mbps	\$735.06	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$6.88	\$13.85

(R)

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$991.56	\$205.00
100 Mbps	\$1,581.74	\$205.00
250 Mbps	\$3,258.81	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$4.16	\$8.32

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$5,429.91	\$307.00
750 Mbps	\$7,215.95	\$307.00
1 Gbps	\$9,443.32	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$2.52	\$4.98

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$18,189.13	\$307.00
5 Gbps	\$27,641.28	\$307.00
10 Gbps	\$37,808.56	\$307.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.57	\$3.10

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$96.63	\$410.00
5 Mbps	\$122.46	\$410.00
10 Mbps	\$220.54	\$410.00
20 Mbps	\$441.04	\$410.00
50 Mbps	\$661.04	\$410.00
100 Mbps	\$1,062.40	\$410.00
250 Mbps	\$2,211.36	\$410.00
500 Mbps	\$3,423.23	\$615.00
750 Mbps	\$4,655.46	\$615.00
1 Gbps	\$5,902.04	\$615.00
2.5 Gbps	\$11,379.88	\$615.00
5 Gbps	\$17,287.46	\$615.00
10 Gbps	\$23,630.35	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$115.37	\$410.00
5 Mbps	\$149.75	\$410.00
10 Mbps	\$290.43	\$410.00
20 Mbps	\$551.69	\$410.00
50 Mbps	\$913.90	\$410.00
100 Mbps	\$1,290.96	\$410.00
250 Mbps	\$2,937.68	\$410.00
500 Mbps	\$4,024.74	\$615.00
750 Mbps	\$5,398.98	\$615.00
1 Gbps	\$6,834.48	\$615.00
2.5 Gbps	\$13,154.95	\$615.00
5 Gbps	\$19,992.27	\$615.00
10 Gbps	\$27,334.39	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$193.20	\$410.00
5 Mbps	\$305.89	\$410.00
10 Mbps	\$595.68	\$410.00
20 Mbps	\$804.96	\$410.00
50 Mbps	\$1,628.75	\$410.00
100 Mbps	\$1,985.52	\$410.00
250 Mbps	\$3,443.64	\$410.00
500 Mbps	\$4,715.61	\$615.00
750 Mbps	\$6,344.34	\$615.00
1 Gbps	\$8,066.16	\$615.00
2.5 Gbps	\$15,530.57	\$615.00
5 Gbps	\$23,592.79	\$615.00
10 Gbps	\$32,263.78	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>	
\$15.55	\$19.23	\$7.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.82	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$172.85	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$430.58	\$560.00	(R)

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$396.90	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$965.10	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association - Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$14.07

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$14.75

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$17.58

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$118.15

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$80.16

(R)

(R)

(R)

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association - Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$174.62

(R)

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$255.21

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	(R)
<u>Premium</u>		
Per Originating Access Minute	\$.038926	
Per Terminating Access Minute	\$.002133	

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$0.0428
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	\$41.77	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$60.13		
(2)	Channel Mileage Termination Per Termination	\$4.19		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$8.47		
(b)	Series Bridging Per Port	\$8.47		
(6)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$325.79	\$450.00	
(b)	Per 100BASE-T	\$1,691.14	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per Termination			
- Two-Wire	\$41.77	\$450.00	(R)
- Four-Wire	\$83.58	\$450.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile	\$5.01		
(2) Channel Mileage Termination Per Termination	\$50.25		
(C) Optional Features and Functions			
(1) Telegraph Bridging Per Port			
- Two-Wire	\$8.47		
- Four-Wire	\$8.47		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$70.18	\$450.00	(R)
-	Four-Wire	\$112.31	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$5.01		
(2)	Channel Mileage Termination Per Termination	\$50.25		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	<u>Voice Bridging</u> Per Port			
-	Two-Wire	\$8.47		
-	Four-Wire	\$8.47		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$8.47	(R)
- Four-Wire	\$8.47	

(c) Telephoto Bridging per port

- Two-Wire	\$8.47
- Four-Wire	\$8.47

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$28.87
- Four-wire	\$153.09

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$30.88
- Four-wire	\$133.73

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$13.48
- Summation	\$5.28

Passive Bridging Channel
Connections
Per channel connected

\$0.37 (R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C)	Optional Features and Functions (Cont'd)		
	(2) Conditioning Per Termination		
	- C-Type	\$12.43	(R)
	- Improved Attenuation Distortion*	None	
	- Improved Envelope Delay Distortion* None		
	- Data Capability	\$11.05	(R)
	- Telephoto Capability	\$11.73	(R)
	- Sealing Current	None	
	(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
	- Two-Wire	\$17.77	(R)
	- Four-Wire	\$17.77	
	(4) Customer Specified Receive Level per two-wire termination	\$13.43	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

		Monthly Rate	
(C) Optional Features and Functions (Cont'd)			
(5)	Multiplexing Per arrangement Voice to Telegraph Grade	\$294.24	(R)
(6)	Signaling Capability Per termination	\$28.45	
(7)	Selective Signaling Arrangement Per arrangement	\$8.47	
(8)	Transfer Arrangement (key activated* or Dial-Up**)		
-	Per four port arrangement including control channel termination***	\$4.06	
-	Per five port arrangement including control channel termination***	\$9.31	(R)
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$ 74.40	\$ 7.44	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	129.54	12.95	450.00	450.00	
- 50 to 8000 Hz	129.54	12.95	450.00	450.00	
- 50 to 15000 Hz	129.54	12.95	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$ 5.01	\$.50	
- 100 to 5000 Hz			10.00	1.00	
- 50 to 8000 Hz			15.01	1.50	
- 50 to 15000 Hz			20.01	2.00	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$ 50.25	\$ 5.03	(R)
- 100 to 5000 Hz			100.47	10.05	
- 50 to 8000 Hz			150.73	15.07	
- 50 to 15000 Hz			200.95	20.09	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$25.96	\$2.60	(R)
(2)	Gain Conditioning per service	\$18.13	\$1.81	
(3)	Stereo per service	\$32.11	\$3.21	(R)

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		Monthly	Daily*	Nonrecurring		
		<u>Rate</u>	<u>Rate</u>	<u>Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
	- TV-1 or 2	\$768.60	\$422.73	\$330.00	\$330.00	(R)
	- 4TV-5	768.60	422.73	330.00	330.00	
	- 6TV-5	768.60	422.73	330.00	330.00	
	- TV-15	768.60	422.73	330.00	330.00	
(B)	Channel Mileage			<u>Monthly</u>	<u>Daily*</u>	
				<u>Rate</u>	<u>Rate</u>	
	(1) Channel Mileage Facility Per Mile					
	- All			\$654.19	\$359.80	
	(2) Channel Mileage Termination Per Termination					
	- All			\$697.01	\$383.35	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per termination			
- 2.4 kbps	\$129.54	\$390.00	(R)
- 4.8 kbps	129.54	390.00	
- 9.6 kbps	129.54	390.00	
- 19.2 kbps	129.54	390.00	
- 56.0 kbps	129.54	390.00	
- 64.0 kbps	129.54	390.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile			
- 2.4 kbps	\$4.77		
- 4.8 kbps	4.77		
- 9.6 kbps	4.77		
- 19.2 kbps	4.77		
- 56.0 kbps	6.74		
- 64.0 kbps	6.74		
(2) Channel Mileage Termination Per Termination			
- 2.4 kbps	\$47.73		
- 4.8 kbps	47.73		
- 9.6 kbps	47.73		
- 19.2 kbps	47.73		
- 56.0 kbps	67.64		
- 64.0 kbps	67.64		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$11.40	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$8.08	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$40.39	(R)
- 4.8 kbps	40.39	
- 9.6 kbps	40.39	
- 56.0 kbps	40.39	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 322.99	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	2,662.79		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage		<u>Monthly Rate</u>	
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$ 6.74	(R)
-	1.544 Mbps		19.99	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		174.06	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 67.64	(R)
	- 1.544 Mbps	103.67	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	665.69	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services	
36 months	10%
60 months	20%

(D) Optional Features and Functions

(1)		<u>Monthly Rate</u>	
	Multiplexing, per arrangement		
	DS4 to DS1	ICB	
	DS3 to DS1	\$616.99	(R)
	DS2 to DS1	ICB	
	DS1C to DS1	ICB	
	DS1 to Voice **	\$254.63	(R)
	DS1 to DS0	\$254.63	(R)
	DS0 to Subrates		
	- Up to 20 2.4 kbps services	\$608.78	(R)
	- Up to 10 4.8 kbps services	413.67	
	- Up to 5 9.6 kbps services	366.82	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$205.52		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$224.01		
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 116.56 468.32		
(I)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 325.79 2,262.44	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$2,718.75	\$360.00	(R)
	- OC12	622.08 Mbps	3,397.78	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$186.55		
	- OC12	622.08 Mbps	234.16		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 694.00		(R)
	- OC12	622.08 Mbps	1,511.07		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			Monthly Rate	Nonrecurring Charge	
(1)	Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$ 631.31	\$640.00	(R)
-	OC12	622.08 Mbps	1,823.76	640.00	
	Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$242.46		
-	STS-1	51.84 Mbps	248.72	\$640.00	
-	DS3	44.736 Mbps	248.72	640.00	
-	DS1	1.544 Mbps	63.75	640.00	
(2)	Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$242.46		
-	DS3	44.736 Mbps	127.52		
-	DS1	1.544 Mbps	51.02		
(3)	Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None		
-	OC12		None		
(4)	DSL Access Service Connection				
-	Per OC3/OC3c		\$3,963.80	\$1,200.00	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in
Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>	
Residence		
- Individual line or trunk, each	\$2.10	(I)
(2) <u>Access Recovery Charge (ARC)</u>		
Single Line Business		
- Individual line or trunk, each	\$2.41	(I)
(3) <u>Access Recovery Charge (ARC)</u>		
Multi Line Business		
- Individual line or trunk, each	\$3.00	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$223.49	\$345.00	(R)
64.0 kbps	\$223.49	\$345.00	
1.544 Mbps	\$475.39	\$345.00	
44.736 Mbps	\$3,528.35	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$475.39	\$345.00	
44.736 Mbps	\$3,528.35	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$91.13		
64.0 kbps	\$91.13		
1.544 Mbps	\$212.20		
44.736 Mbps	\$1,616.32		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$212.20		
44.736 Mbps	\$1,616.32		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$6.50
16 kbps	\$6.50
28 kbps	\$7.80
32 kbps	\$7.80
56 kbps	\$9.12
64 kbps	\$9.12
128 kbps	\$11.69
192 kbps	\$15.63
256 kbps	\$18.23
384 kbps	\$26.05
512 kbps	\$36.45
768 kbps	\$46.87

(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$7.80
16 kbps	\$7.80
28 kbps	\$9.88
32 kbps	\$9.88
56 kbps	\$19.31
64 kbps	\$19.31
128 kbps	\$42.30
192 kbps	\$56.94
256 kbps	\$75.73
384 kbps	\$121.28
512 kbps	\$151.48
768 kbps	\$226.76

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$581.82	\$390.00
44.736 Mbps	\$3,232.26	\$390.00
155.52 Mbps	\$5,008.45	\$390.00
622.08 Mbps	\$7,270.00	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$896.13	\$1,780.00
100 Mbps	\$1,691.14	\$1,780.00
1 Gbps	\$3,270.27	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$6.50	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$37.44	\$29.94	\$22.48	\$18.72

- Path Size 51 to 150 Mbps

\$33.68	\$26.20	\$18.72	\$14.97
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- Path Size Over 150 Mbps

\$26.20	\$18.72	\$14.97	\$11.22
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$6.41	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$38.40	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$2.53	\$4.89	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$73.65	\$295.00
5 Mbps	\$90.38	\$295.00
10 Mbps	\$104.38	\$295.00
20 Mbps	\$114.59	\$295.00
50 Mbps	\$132.48	\$295.00
100 Mbps	\$147.21	\$295.00
250 Mbps	\$209.64	\$295.00
500 Mbps	\$274.78	\$442.00
750 Mbps	\$319.30	\$442.00
1 Gbps	\$365.53	\$442.00
2.5 Gbps	\$706.53	\$442.00
5 Gbps	\$1,072.72	\$442.00
10 Gbps	\$1,464.77	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$278.36	\$295.00
5 Mbps	\$281.42	\$295.00
10 Mbps	\$285.42	\$295.00
20 Mbps	\$322.89	\$295.00
50 Mbps	\$365.01	\$295.00
100 Mbps	\$381.94	\$295.00
250 Mbps	\$398.89	\$295.00
500 Mbps	\$527.70	\$442.00
750 Mbps	\$607.01	\$442.00
1 Gbps	\$703.59	\$442.00
2.5 Gbps	\$1,357.53	\$442.00
5 Gbps	\$2,061.78	\$442.00
10 Gbps	\$2,816.99	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$100.80	\$259.00	(R)
5 Mbps	\$111.60	\$259.00	
10 Mbps	\$123.23	\$259.00	
20 Mbps	\$136.91	\$259.00	
50 Mbps	\$145.10	\$259.00	
100 Mbps	\$158.32	\$259.00	
250 Mbps	\$218.52	\$259.00	
500 Mbps	\$277.05	\$388.00	
750 Mbps	\$350.34	\$388.00	
1 Gbps	\$422.16	\$388.00	
2.5 Gbps	\$810.82	\$388.00	
5 Gbps	\$1,232.43	\$388.00	
10 Gbps	\$1,686.48	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$1,643.02	\$175.00	(R)
155.52 Mbps	\$1,971.62	\$262.00	
622.08 Mbps	\$3,286.04	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.61	\$1.25	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.35	\$.68

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.20	\$0.39

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.13	\$0.28

(R)

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$43.21	\$205.00
5 Mbps	\$58.41	\$205.00
10 Mbps	\$109.52	\$205.00
20 Mbps	\$219.07	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$2.05	\$4.13

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$295.51	\$205.00
100 Mbps	\$471.40	\$205.00
250 Mbps	\$971.22	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.24	\$2.48

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$1,618.26	\$307.00
750 Mbps	\$2,150.54	\$307.00
1 Gbps	\$2,814.36	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.75	\$1.48

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$5,420.85	\$307.00
5 Gbps	\$8,237.84	\$307.00
10 Gbps	\$11,267.96	\$307.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.46	\$0.93

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$28.80	\$410.00
5 Mbps	\$36.50	\$410.00
10 Mbps	\$65.73	\$410.00
20 Mbps	\$131.44	\$410.00
50 Mbps	\$197.01	\$410.00
100 Mbps	\$316.62	\$410.00
250 Mbps	\$659.04	\$410.00
500 Mbps	\$1,020.22	\$615.00
750 Mbps	\$1,387.45	\$615.00
1 Gbps	\$1,758.96	\$615.00
2.5 Gbps	\$3,391.51	\$615.00
5 Gbps	\$5,152.12	\$615.00
10 Gbps	\$7,042.48	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$70.35	\$410.00
5 Mbps	\$91.31	\$410.00
10 Mbps	\$177.09	\$410.00
20 Mbps	\$336.39	\$410.00
50 Mbps	\$557.26	\$410.00
100 Mbps	\$787.17	\$410.00
250 Mbps	\$1,791.27	\$410.00
500 Mbps	\$2,454.11	\$615.00
750 Mbps	\$3,292.06	\$615.00
1 Gbps	\$4,167.36	\$615.00
2.5 Gbps	\$8,021.31	\$615.00
5 Gbps	\$12,190.40	\$615.00
10 Gbps	\$16,667.30	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$117.81	\$410.00
5 Mbps	\$186.52	\$410.00
10 Mbps	\$363.22	\$410.00
20 Mbps	\$490.83	\$410.00
50 Mbps	\$993.14	\$410.00
100 Mbps	\$1,210.69	\$410.00
250 Mbps	\$2,099.78	\$410.00
500 Mbps	\$2,875.37	\$615.00
750 Mbps	\$3,868.50	\$615.00
1 Gbps	\$4,918.39	\$615.00
2.5 Gbps	\$9,469.85	\$615.00
5 Gbps	\$14,385.84	\$615.00
10 Gbps	\$19,673.02	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>	
\$4.64	\$5.73	\$7.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.50	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$105.09	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$262.55	\$560.00	(R)

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$242.01	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$588.47	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	(R)
<u>Premium</u>		
Per Originating Access Minute	\$.005627	
Per Terminating Access Minute	\$.002133	

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$0.0206
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	\$30.20	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$43.48		
(2)	Channel Mileage Termination Per Termination	\$3.03		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$6.12		
(b)	Series Bridging Per Port	\$6.12		
(7)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$235.58	\$450.00	
(b)	Per 100BASE-T	\$1,222.85	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$30.20	\$450.00	(R)
-	Four-Wire	\$60.43	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$3.62		
(2)	Channel Mileage Termination Per Termination	\$36.33		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$6.12		
-	Four-Wire	\$6.12		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$50.75	\$450.00	(R)
-	Four-Wire	\$81.20	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$3.62		
(2)	Channel Mileage Termination Per Termination	\$36.33		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	<u>Voice Bridging</u> Per Port			
-	Two-Wire	\$6.12		
-	Four-Wire	\$6.12		(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$6.12	(R)
- Four-Wire	\$6.12	

(c) Telephoto Bridging per port

- Two-Wire	\$6.12
- Four-Wire	\$6.12

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$20.88
- Four-wire	\$110.70

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$22.34
- Four-wire	\$96.69

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$9.95
- Summation	\$3.82

Passive Bridging Channel
Connections
Per channel connected

\$0.26 (R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(2) Conditioning Per Termination		
- C-Type	\$8.99	(R)
- Improved Attenuation Distortion*	None	
- Improved Envelope Delay Distortion* None		
- Data Capability	\$7.98	
- Telephoto Capability	\$8.48	
- Sealing Current	None	
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
- Two-Wire	\$12.85	
- Four-Wire	\$12.85	
(4) Customer Specified Receive Level per two-wire termination	\$9.71	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$212.76	(R)
(6) Signaling Capability Per termination	\$20.57	
(7) Selective Signaling Arrangement Per arrangement	\$6.12	
(8) Transfer Arrangement (key activated* or Dial-Up**)		
- Per four port arrangement including control channel termination***	\$2.93	
- Per five port arrangement including control channel termination***	\$6.73	(R)
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$ 53.80	\$ 5.38	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	93.67	9.37	450.00	450.00	
- 50 to 8000 Hz	93.67	9.37	450.00	450.00	
- 50 to 15000 Hz	93.67	9.37	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$ 3.62	\$.36	
- 100 to 5000 Hz			7.23	.72	
- 50 to 8000 Hz			10.85	1.09	
- 50 to 15000 Hz			14.47	1.45	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$ 36.33	\$ 3.63	(R)
- 100 to 5000 Hz			72.65	7.26	
- 50 to 8000 Hz			108.99	10.90	
- 50 to 15000 Hz			145.31	14.53	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$18.78	\$1.87	(R)
(2)	Gain Conditioning per service	\$13.12	\$1.31	 (R)
(3)	Stereo per service	\$23.22	\$2.32	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
				<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
	- TV-1 or 2	\$555.77	\$305.67	\$330.00	\$330.00	(R)
	- 4TV-5	555.77	305.67	330.00	330.00	
	- 6TV-5	555.77	305.67	330.00	330.00	
	- TV-15	555.77	305.67	330.00	330.00	
(B)	Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
	(1) Channel Mileage Facility Per Mile					
	- All			\$473.04	\$260.18	
	(2) Channel Mileage Termination Per Termination					
	- All			\$504.00	\$277.20	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination
Per termination

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
- 2.4 kbps	\$93.67	\$390.00	(R)
- 4.8 kbps	93.67	390.00	
- 9.6 kbps	93.67	390.00	
- 19.2 kbps	93.67	390.00	
- 56.0 kbps	93.67	390.00	
- 64.0 kbps	93.67	390.00	

(B) Channel Mileage

(1) Channel Mileage Facility
Per Mile

- 2.4 kbps	\$3.45
- 4.8 kbps	3.45
- 9.6 kbps	3.45
- 19.2 kbps	3.45
- 56.0 kbps	4.87
- 64.0 kbps	4.87

(2) Channel Mileage Termination
Per Termination

- 2.4 kbps	\$34.52
- 4.8 kbps	34.52
- 9.6 kbps	34.52
- 19.2 kbps	34.52
- 56.0 kbps	48.91
- 64.0 kbps	48.91

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$8.24	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$5.84	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$29.21	(R)
- 4.8 kbps	29.21	
- 9.6 kbps	29.21	
- 56.0 kbps	29.21	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 233.55	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	1,925.44		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage		<u>Monthly Rate</u>	
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$ 4.87	(R)
-	1.544 Mbps		14.45	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		125.86	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 48.91	(R)
	- 1.544 Mbps	74.97	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	481.36	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services	
36 months	10%
60 months	20%

(D) Optional Features and Functions

(1)		<u>Monthly Rate</u>	
	Multiplexing, per arrangement		
	DS4 to DS1	ICB	
	DS3 to DS1	\$446.14	(R)
	DS2 to DS1	ICB	
	DS1C to DS1	ICB	
	DS1 to Voice **	\$184.13	(R)
	DS1 to DS0	\$184.13	
	DS0 to Subrates		
	- Up to 20 2.4 kbps services	\$440.20	
	- Up to 10 4.8 kbps services	299.13	
	- Up to 5 9.6 kbps services	265.25	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$148.61		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$161.98		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 84.28 338.63		(R)
(J)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 235.58 1,635.96	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$1,965.91	\$360.00	(R)
	- OC12	622.08 Mbps	2,456.91	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$134.90		
	- OC12	622.08 Mbps	169.32		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 501.83		(R)
	- OC12	622.08 Mbps	1,092.64		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1)	Customer Node				
	Per Node				
	- OC3/OC3c	155.52 Mbps	\$ 456.49	\$640.00	(R)
	- OC12	622.08 Mbps	1,318.76	640.00	
	Customer Premises Port				
	Per Port				
	- OC3/OC3c	155.52 Mbps	\$175.32		
	- STS-1	51.84 Mbps	179.85	\$640.00	
	- DS3	44.736 Mbps	179.85	640.00	
	- DS1	1.544 Mbps	46.10	640.00	
(2)	Add/Drop Multiplexing				
	Central Office Port				
	Per Port				
	- OC3/OC3c	155.52 Mbps	\$175.32		
	- DS3	44.736 Mbps	92.21		
	- DS1	1.544 Mbps	36.89		
(3)	Shared SONET Ring				
	Interoffice Transport				
	Per Channel Mileage				
	Facility				
	- OC3/OC3c		None		
	- OC12		None		
(4)	DSL Access Service				
	Connection				
	- Per OC3/OC3c		\$2,866.19	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in
Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>	
Residence		
- Individual line or trunk, each – Allegan	\$0.00	
- Individual line or trunk, each - Ottawa	\$1.40	(R)
(2) <u>Access Recovery Charge (ARC)</u>		
Single Line Business		
- Individual line or trunk, each	\$3.00	
(3) <u>Access Recovery Charge (ARC)</u>		
Multi Line Business		
- Individual line or trunk, each	\$3.00	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$161.61	\$345.00	(R)
64.0 kbps	\$161.61	\$345.00	
1.544 Mbps	\$343.75	\$345.00	
44.736 Mbps	\$2,551.32	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$343.75	\$345.00	
44.736 Mbps	\$2,551.32	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$65.90		
64.0 kbps	\$65.90		
1.544 Mbps	\$153.45		
44.736 Mbps	\$1,168.75		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$153.45		
44.736 Mbps	\$1,168.75		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$4.71
16 kbps	\$4.71
28 kbps	\$5.64
32 kbps	\$5.64
56 kbps	\$6.60
64 kbps	\$6.60
128 kbps	\$8.45
192 kbps	\$11.30
256 kbps	\$13.18
384 kbps	\$18.84
512 kbps	\$26.35
768 kbps	\$33.89

(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$5.64
16 kbps	\$5.64
28 kbps	\$7.15
32 kbps	\$7.15
56 kbps	\$13.96
64 kbps	\$13.96
128 kbps	\$30.58
192 kbps	\$41.17
256 kbps	\$54.76
384 kbps	\$87.70
512 kbps	\$109.54
768 kbps	\$163.97

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$420.72	\$390.00
44.736 Mbps	\$2,337.23	\$390.00
155.52 Mbps	\$3,621.58	\$390.00
622.08 Mbps	\$5,256.89	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$647.99	\$1,780.00
100 Mbps	\$1,222.85	\$1,780.00
1 Gbps	\$2,364.71	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$4.71	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$27.07	\$21.65	\$16.26	\$13.54

- Path Size 51 to 150 Mbps

\$24.36	\$18.95	\$13.54	\$10.82
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- Path Size Over 150 Mbps

\$18.95	\$13.54	\$10.82	\$8.11
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$4.63	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$27.77	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$1.82	\$3.54	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$53.26	\$295.00
5 Mbps	\$65.35	\$295.00
10 Mbps	\$75.48	\$295.00
20 Mbps	\$82.86	\$295.00
50 Mbps	\$95.80	\$295.00
100 Mbps	\$106.44	\$295.00
250 Mbps	\$151.59	\$295.00
500 Mbps	\$198.69	\$442.00
750 Mbps	\$230.89	\$442.00
1 Gbps	\$264.32	\$442.00
2.5 Gbps	\$510.89	\$442.00
5 Gbps	\$775.68	\$442.00
10 Gbps	\$1,059.16	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$201.28	\$295.00
5 Mbps	\$203.49	\$295.00
10 Mbps	\$206.39	\$295.00
20 Mbps	\$233.48	\$295.00
50 Mbps	\$263.93	\$295.00
100 Mbps	\$276.18	\$295.00
250 Mbps	\$288.43	\$295.00
500 Mbps	\$381.57	\$442.00
750 Mbps	\$438.92	\$442.00
1 Gbps	\$508.76	\$442.00
2.5 Gbps	\$981.62	\$442.00
5 Gbps	\$1,490.86	\$442.00
10 Gbps	\$2,036.95	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$72.89	\$259.00	(R)
5 Mbps	\$80.69	\$259.00	
10 Mbps	\$89.11	\$259.00	
20 Mbps	\$99.00	\$259.00	
50 Mbps	\$104.93	\$259.00	
100 Mbps	\$114.48	\$259.00	
250 Mbps	\$158.01	\$259.00	
500 Mbps	\$200.33	\$388.00	
750 Mbps	\$253.33	\$388.00	
1 Gbps	\$305.26	\$388.00	
2.5 Gbps	\$586.29	\$388.00	
5 Gbps	\$891.16	\$388.00	
10 Gbps	\$1,219.49	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$1,188.06	\$175.00	(R)
155.52 Mbps	\$1,425.67	\$262.00	
622.08 Mbps	\$2,376.11	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.44	\$0.90	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.25	\$.49

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.14	\$0.28

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.10	\$0.20

(R)

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$31.25	\$205.00
5 Mbps	\$42.24	\$205.00
10 Mbps	\$79.20	\$205.00
20 Mbps	\$158.41	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.49	\$2.98

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$213.68	\$205.00
100 Mbps	\$340.87	\$205.00
250 Mbps	\$702.28	\$205.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 MbpsMonthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.90	\$1.79

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$1,170.15	\$307.00
750 Mbps	\$1,555.05	\$307.00
1 Gbps	\$2,035.05	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500Mbps to 1 GbpsMonthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.54	\$1.07

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$3,919.78	\$307.00
5 Gbps	\$5,956.73	\$307.00
10 Gbps	\$8,147.79	\$307.00

(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.34	\$0.67

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$20.83	\$410.00
5 Mbps	\$26.39	\$410.00
10 Mbps	\$47.52	\$410.00
20 Mbps	\$95.04	\$410.00
50 Mbps	\$142.45	\$410.00
100 Mbps	\$228.94	\$410.00
250 Mbps	\$476.55	\$410.00
500 Mbps	\$737.71	\$615.00
750 Mbps	\$1,003.25	\$615.00
1 Gbps	\$1,271.90	\$615.00
2.5 Gbps	\$2,452.38	\$615.00
5 Gbps	\$3,725.47	\$615.00
10 Gbps	\$5,092.37	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$67.05	\$410.00
5 Mbps	\$87.03	\$410.00
10 Mbps	\$168.80	\$410.00
20 Mbps	\$320.64	\$410.00
50 Mbps	\$531.16	\$410.00
100 Mbps	\$750.31	\$410.00
250 Mbps	\$1,707.38	\$410.00
500 Mbps	\$2,339.18	\$615.00
750 Mbps	\$3,137.89	\$615.00
1 Gbps	\$3,972.20	\$615.00
2.5 Gbps	\$7,645.66	\$615.00
5 Gbps	\$11,619.51	\$615.00
10 Gbps	\$15,886.75	\$615.00

(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$112.29	\$410.00
5 Mbps	\$177.78	\$410.00
10 Mbps	\$346.21	\$410.00
20 Mbps	\$467.84	\$410.00
50 Mbps	\$946.63	\$410.00
100 Mbps	\$1,153.99	\$410.00
250 Mbps	\$2,001.44	\$410.00
500 Mbps	\$2,740.71	\$615.00
750 Mbps	\$3,687.33	\$615.00
1 Gbps	\$4,688.05	\$615.00
2.5 Gbps	\$9,026.37	\$615.00
5 Gbps	\$13,712.14	\$615.00
10 Gbps	\$18,751.72	\$615.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$3.35	\$4.15	\$7.00

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(a) DSL Access Service Connection (Cont'd)(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.48	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$100.17	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$250.25	\$560.00	(R)

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:			
- 2 Mbps to 1 Gbps	\$230.68	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$560.91	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. - Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$3.03

(R)

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$3.18

(R)

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$3.79

(R)

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$25.46

(R)

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$17.28

(R)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan - Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$101.49

(R)

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$148.33

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>	(R)
<u>Premium</u>		
Per Originating Access Minute	\$.012955	
Per Terminating Access Minute	\$.002133	

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) Information Surcharge

- Premium Per 100 Originating Access Minutes	\$0.0285
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA
Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	\$100.48	\$450.00	(R)
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$144.64		
(2)	Channel Mileage Termination Per Termination	\$10.09		
(C)	Optional Features and Functions			
(1)	Bridging			
(a)	Three Premises Bridging Per Port	\$20.38		
(b)	Series Bridging Per Port	\$20.38		
(8)	DSL Access Service Connection			
(a)	Per 10BASE-T	\$783.66	\$450.00	
(b)	Per 100BASE-T	\$4,067.90	\$650.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination			
-	Two-Wire	\$100.48	\$450.00	(R)
-	Four-Wire	\$201.04	\$450.00	
(B)	Channel Mileage			
(1)	Channel Mileage Facility Per Mile	\$12.07		
(2)	Channel Mileage Termination Per Termination	\$120.89		
(C)	Optional Features and Functions			
(1)	Telegraph Bridging Per Port			
-	Two-Wire	\$20.38		
-	Four-Wire	\$20.38		(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
(A) Channel Termination Per Termination			
- Two-Wire	\$168.82	\$450.00	(R)
- Four-Wire	\$270.14	\$450.00	
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile	\$12.07		
(2) Channel Mileage Termination Per Termination	\$120.89		
(C) Optional Features and Functions			
(1) Bridging			
(a) <u>Voice Bridging</u> Per Port			
- Two-Wire	\$20.38		
- Four-Wire	\$20.38		(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$20.38	(R)
- Four-Wire	\$20.38	

(c) Telephoto Bridging per port

- Two-Wire	\$20.38
- Four-Wire	\$20.38

(d) DATAPHONE Select-A-Station BridgingSequential Arrangement, Ports
Per channel connected

- Two-wire	\$69.44
- Four-wire	\$368.24

Addressable Arrangement, Ports
Per channel connected

- Two-wire	\$74.28
- Four-wire	\$321.66

(e) Telemetry and Alarm BridgingActive Bridging Channel
Connections
Per channel connected

- Split Band	\$32.43
- Summation	\$12.69

Passive Bridging Channel
Connections
Per channel connected

\$.89 (R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(2) Conditioning Per Termination		
- C-Type	\$29.91	(R)
- Improved Attenuation Distortion*	None	
- Improved Envelope Delay Distortion* None		
- Data Capability	\$26.58	
- Telephoto Capability	\$28.22	
- Sealing Current	None	
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination		
- Two-Wire	\$42.74	
- Four-Wire	\$42.74	
(4) Customer Specified Receive Level per two-wire termination	\$32.31	(R)

- 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.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate	
(C) Optional Features and Functions (Cont'd)		
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$707.77	(R)
(6) Signaling Capability Per termination	\$68.45	
(7) Selective Signaling Arrangement Per arrangement	\$20.38	
(8) Transfer Arrangement (key activated* or Dial-Up**)		
- Per four port arrangement including control channel termination***	\$9.75	
- Per five port arrangement including control channel termination***	\$22.38	(R)
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** 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.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>		
			<u>Monthly</u>	<u>Daily</u>	
(A) Channel Termination Per Termination					
- 200 to 3500 Hz	\$178.95	\$17.89	\$450.00	\$450.00	(R)
- 100 to 5000 Hz	311.59	31.16	450.00	450.00	
- 50 to 8000 Hz	311.59	31.16	450.00	450.00	
- 50 to 15000 Hz	311.59	31.16	450.00	450.00	
(B) Channel Mileage					
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>	
- 200 to 3500 Hz			\$ 12.07	\$ 1.21	
- 100 to 5000 Hz			24.05	2.41	
- 50 to 8000 Hz			36.10	3.61	
- 50 to 15000 Hz			48.12	4.81	
(2) Channel Mileage Termination Per Termination					
- 200 to 3500 Hz			\$ 120.89	\$ 12.09	(R)
- 100 to 5000 Hz			241.69	24.17	
- 50 to 8000 Hz			362.57	36.26	
- 50 to 15000 Hz			483.37	48.34	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

		<u>Monthly Rate</u>	<u>Daily* Rate</u>	
(C)	Optional Features and Functions			
(1)	Bridging, Distribution Amplifier Per Port	\$62.46	\$6.24	(R)
(2)	Gain Conditioning per service	\$43.62	\$4.36	
(3)	Stereo per service	\$77.24	\$7.72	

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff F.C.C. No. 5.

		Monthly	Daily*	Nonrecurring		
		<u>Rate</u>	<u>Rate</u>	<u>Monthly</u>	<u>Daily</u>	
(A)	Channel Termination Per Termination					
-	TV-1 or 2	\$1,848.81	\$1,016.84	\$330.00	\$330.00	(R)
-	4TV-5	1,848.81	1,016.84	330.00	330.00	
-	6TV-5	1,848.81	1,016.84	330.00	330.00	
-	TV-15	1,848.81	1,016.84	330.00	330.00	
(B)	Channel Mileage			<u>Monthly</u>	<u>Daily*</u>	
				<u>Rate</u>	<u>Rate</u>	
(1)	Channel Mileage Facility Per Mile					
-	All			\$1,573.59	\$865.48	
(2)	Channel Mileage Termination Per Termination					
-	All			\$1,676.59	\$922.12	(R)

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination
Per termination

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	
- 2.4 kbps	\$311.59	\$390.00	(R)
- 4.8 kbps	311.59	390.00	
- 9.6 kbps	311.59	390.00	
- 19.2 kbps	311.59	390.00	
- 56.0 kbps	311.59	390.00	
- 64.0 kbps	311.59	390.00	

(B) Channel Mileage

(1) Channel Mileage Facility
Per Mile

- 2.4 kbps	\$11.46
- 4.8 kbps	11.46
- 9.6 kbps	11.46
- 19.2 kbps	11.46
- 56.0 kbps	16.22
- 64.0 kbps	16.22

(2) Channel Mileage Termination
Per Termination

- 2.4 kbps	\$114.82
- 4.8 kbps	114.82
- 9.6 kbps	114.82
- 19.2 kbps	114.82
- 56.0 kbps	162.69
- 64.0 kbps	162.69

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1)	Bridging Per port	\$27.43	(R)
(2)	Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$19.42	(R)
(3)	Public Packet Switching Network Interface Arrangement		
	- Per 9.6 kbps arrangement	ICB	
	- Per 56.0 kbps arrangement	ICB	

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$97.16	(R)
- 4.8 kbps	97.16	
- 9.6 kbps	97.16	
- 56.0 kbps	97.16	(R)

* 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.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination			
-	DS1 1.544 Mbps	\$ 776.91	\$330.00	(R)
-	DS1C 3.152 Mbps	ICB	ICB	
-	DS2 6.312 Mbps	ICB	ICB	
-	Capacity of 1 DS3 44.736 Mbps Interface	6,405.12		(R)
-	per DS3 Channel Installed		445.00	
-	DS4 274.176 Mbps	ICB	ICB	
(B)	Channel Mileage		<u>Monthly Rate</u>	
(1)	Channel Mileage Facility Per Mile			
-	64 kbps*		\$ 16.22	(R)
-	1.544 Mbps		48.08	(R)
-	3.152 Mbps		ICB	
-	6.312 Mbps		ICB	
-	44.736 Mbps		418.67	(R)
-	274.176 Mbps		ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2)	Channel Mileage Termination Per Termination	<u>Monthly Rate</u>	
	- 64 kbps*	\$ 162.69	(R)
	- 1.544 Mbps	249.38	(R)
	- 3.152 Mbps	ICB	
	- 6.312 Mbps	ICB	
	- 44.736 Mbps	1,601.27	(R)
	- 274.176 Mbps	ICB	

(C) Term Discounts Percentage

DS1 and DS3 services

36 months 10%

60 months 20%

(D) Optional Features and FunctionsMonthly Rate

(1) Multiplexing, per arrangement

DS4 to DS1	ICB	
DS3 to DS1	\$1,484.12	(R)
DS2 to DS1	ICB	
DS1C to DS1	ICB	
DS1 to Voice **	\$612.50	(R)
DS1 to DS0	\$612.50	
DS0 to Subrates		
- Up to 20 2.4 kbps services	\$1,464.36	
- Up to 10 4.8 kbps services	995.06	
- Up to 5 9.6 kbps services	882.37	(R)

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(2)	Automatic Loop Transfer Per arrangement*	\$494.35		(R)
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$538.83		(R)
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None		
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None		
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$ 280.37 1,126.49		(R)
(K)	DSL Access Service Connection - per 1.544 Mbps - prt 44.736 Mbps	\$ 783.66 5,442.14	\$450.00 650.00	(R)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** 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.

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

			<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A)	Channel Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$6,539.73	\$360.00	(R)
	- OC12	622.08 Mbps	8,173.08	360.00	
(B)	Channel Mileage Facility Per Mile				
	- OC3/OC3c	155.52 Mbps	\$448.75		
	- OC12	622.08 Mbps	563.26		
(C)	Channel Mileage Termination Per Termination				
	- OC3/OC3c	155.52 Mbps	\$ 1,669.36		(R)
	- OC12	622.08 Mbps	3,634.76		
(D)	Term Discounts OC3/OC3c and OC12 Services		<u>Percentage</u>		
	36 months		10%		
	60 months		20%		

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			Monthly Rate	Nonrecurring Charge	
(1)	Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$ 1,518.57	\$640.00	(R)
-	OC12	622.08 Mbps	4,386.93	640.00	
	Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$583.22		
-	STS-1	51.84 Mbps	598.27	\$640.00	
-	DS3	44.736 Mbps	598.27	640.00	
-	DS1	1.544 Mbps	153.36	640.00	
(2)	Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$583.22		
-	DS3	44.736 Mbps	306.75		
-	DS1	1.544 Mbps	122.72		(R)
(3)	Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None		
-	OC12		None		
(4)	DSL Access Service Connection				
-	Per OC3/OC3c		\$9,534.58	\$1,200.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access

Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
<u>Connections</u>			
(1) <u>Frame Relay Access Connection (FRAC)</u> (per FRAC)			
56.0 kbps	\$537.60	\$345.00	(R)
64.0 kbps	\$537.60	\$345.00	
1.544 Mbps	\$1,143.50	\$345.00	
44.736 Mbps	\$8,487.15	\$345.00	
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)			
1.544 Mbps	\$1,143.50	\$345.00	
44.736 Mbps	\$8,487.15	\$345.00	
(3) <u>End User Port</u> (per port)			
56.0 kbps	\$219.21		
64.0 kbps	\$219.21		
1.544 Mbps	\$510.44		
44.736 Mbps	\$3,887.92		
(4) <u>Inter-network Customer Port</u> (per port)			
1.544 Mbps	\$510.44		
44.736 Mbps	\$3,887.92		(R)
(5) <u>Term Discounts</u>		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$15.65
16 kbps	\$15.65
28 kbps	\$18.76
32 kbps	\$18.76
56 kbps	\$21.95
64 kbps	\$21.95
128 kbps	\$28.11
192 kbps	\$37.58
256 kbps	\$43.85
384 kbps	\$62.65
512 kbps	\$87.66
768 kbps	\$112.74

(R)

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$18.76
16 kbps	\$18.76
28 kbps	\$23.78
32 kbps	\$23.78
56 kbps	\$46.46
64 kbps	\$46.46
128 kbps	\$101.75
192 kbps	\$136.95
256 kbps	\$182.16
384 kbps	\$291.73
512 kbps	\$364.38
768 kbps	\$545.46

(R)

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$1,399.54	\$390.00
44.736 Mbps	\$7,774.93	\$390.00
155.52 Mbps	\$12,047.42	\$390.00
622.08 Mbps	\$17,487.39	\$390.00

(R)

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$2,155.56	\$1,780.00
100 Mbps	\$4,067.90	\$1,780.00
1 Gbps	\$7,866.35	\$3,233.00

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$15.65	\$64.00

(R)

(b) Capacity Charge, Per Megabit of Capacity, Per Path
- Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$90.06	\$72.03	\$54.06	\$45.02

- Path Size 51 to 150 Mbps

\$81.03	\$63.02	\$45.02	\$36.01
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- Path Size Over 150 Mbps

\$63.02	\$45.02	\$36.01	\$26.99
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(3) Virtual Circuit Channels, Per Virtual Circuit Channel

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$15.42	\$64.00

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$92.37	\$64.00

(R)

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$ 4.75	\$9.20	\$7.00

(R)

(v) Per MM-VCC Design ChangeNonrecurring Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$170.13	\$295.00
5 Mbps	\$208.78	\$295.00
10 Mbps	\$241.12	\$295.00
20 Mbps	\$264.69	\$295.00
50 Mbps	\$306.02	\$295.00
100 Mbps	\$340.04	\$295.00
250 Mbps	\$484.26	\$295.00
500 Mbps	\$634.72	\$442.00
750 Mbps	\$737.58	\$442.00
1 Gbps	\$844.37	\$442.00
2.5 Gbps	\$1,632.05	\$442.00
5 Gbps	\$2,477.95	\$442.00
10 Gbps	\$3,383.55	\$442.00

(R)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$643.00	\$295.00
5 Mbps	\$650.06	\$295.00
10 Mbps	\$659.32	\$295.00
20 Mbps	\$745.87	\$295.00
50 Mbps	\$843.16	\$295.00
100 Mbps	\$882.28	\$295.00
250 Mbps	\$921.41	\$295.00
500 Mbps	\$1,218.96	\$442.00
750 Mbps	\$1,402.16	\$442.00
1 Gbps	\$1,625.26	\$442.00
2.5 Gbps	\$3,135.84	\$442.00
5 Gbps	\$4,762.64	\$442.00
10 Gbps	\$6,507.12	\$442.00

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$232.85	\$259.00	(R)
5 Mbps	\$257.77	\$259.00	
10 Mbps	\$284.66	\$259.00	
20 Mbps	\$316.26	\$259.00	
50 Mbps	\$335.20	\$259.00	
100 Mbps	\$365.70	\$259.00	
250 Mbps	\$504.77	\$259.00	
500 Mbps	\$639.97	\$388.00	
750 Mbps	\$809.28	\$388.00	
1 Gbps	\$975.17	\$388.00	
2.5 Gbps	\$1,872.94	\$388.00	
5 Gbps	\$2,846.87	\$388.00	
10 Gbps	\$3,895.72	\$388.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
44.736 Mbps	\$3,795.30	\$175.00	(R)
155.52 Mbps	\$4,554.37	\$262.00	
622.08 Mbps	\$7,590.63	\$262.00	(R)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$1.39	\$2.88	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.82	\$1.56

(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.46	\$0.89

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.32	\$0.64

(R)

(b) Per Interswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$99.81	\$205.00
5 Mbps	\$134.93	\$205.00
10 Mbps	\$253.00	\$205.00
20 Mbps	\$506.04	\$205.00

(R)

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(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$4.75	\$9.54

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
50 Mbps	\$682.62	\$205.00	(R)
100 Mbps	\$1,088.91	\$205.00	
250 Mbps	\$2,243.48	\$205.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$2.85	\$5.73	(R)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
500 Mbps	\$3,738.12	\$307.00	(R)
750 Mbps	\$4,967.67	\$307.00	
1 Gbps	\$6,501.07	\$307.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$1.73	\$3.44	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2.5 Gbps	\$12,521.95	\$307.00	(R)
5 Gbps	\$19,029.09	\$307.00	
10 Gbps	\$26,028.55	\$307.00	(R)

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$1.08	\$2.12	(R)

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$66.53	\$410.00	(R)
5 Mbps	\$84.31	\$410.00	
10 Mbps	\$151.81	\$410.00	
20 Mbps	\$303.63	\$410.00	
50 Mbps	\$455.08	\$410.00	
100 Mbps	\$731.39	\$410.00	
250 Mbps	\$1,522.36	\$410.00	
500 Mbps	\$2,356.66	\$615.00	
750 Mbps	\$3,204.96	\$615.00	
1 Gbps	\$4,063.14	\$615.00	
2.5 Gbps	\$7,834.25	\$615.00	
5 Gbps	\$11,901.21	\$615.00	
10 Gbps	\$16,267.84	\$615.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$52.45	\$410.00	(R)
5 Mbps	\$68.08	\$410.00	
10 Mbps	\$132.05	\$410.00	
20 Mbps	\$250.84	\$410.00	
50 Mbps	\$415.52	\$410.00	
100 Mbps	\$586.95	\$410.00	
250 Mbps	\$1,335.66	\$410.00	
500 Mbps	\$1,829.92	\$615.00	
750 Mbps	\$2,454.74	\$615.00	
1 Gbps	\$3,107.41	\$615.00	
2.5 Gbps	\$5,981.11	\$615.00	
5 Gbps	\$9,089.81	\$615.00	
10 Gbps	\$12,428.03	\$615.00	(R)

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designed premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
2 Mbps	\$87.84	\$410.00	(R)
5 Mbps	\$139.07	\$410.00	
10 Mbps	\$270.84	\$410.00	
20 Mbps	\$365.99	\$410.00	
50 Mbps	\$740.54	\$410.00	
100 Mbps	\$902.75	\$410.00	
250 Mbps	\$1,565.71	\$410.00	
500 Mbps	\$2,144.03	\$615.00	
750 Mbps	\$2,884.56	\$615.00	
1 Gbps	\$3,667.41	\$615.00	
2.5 Gbps	\$7,061.23	\$615.00	
5 Gbps	\$10,726.85	\$615.00	
10 Gbps	\$14,669.26	\$615.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>	
\$8.72	\$10.78	\$7.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.44	\$7.00	(R)
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$78.36	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$195.77	\$560.00	(R)

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$180.46	\$560.00	(R)
- 2.5 Gbps to 10 Gbps	\$438.79	\$560.00	(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$9.69

(R)

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate

Per 10 Mbps

\$10.15

(R)

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate

Per 10 Mbps

\$12.11

(R)

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$81.35

(R)

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$55.19

(R)

ACCESS SERVICE

17. Rates and Charges – Indianhead Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$79.40

(R)

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$116.04

(R)

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan

<u>Number of Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%