

MASSACHUSETTS TELECOMMUNICATIONS PRODUCT GUIDE

OF

Metropolitan Telecommunications of Mass. LLC

55 Water Street, 32nd Floor, New York, NY 10041

RESALE LOCAL EXCHANGE TELECOMMUNICATIONS SERVICE

This Product Guide contains the descriptions, regulations and rates applicable to the furnishing of local exchange telecommunications services provided by Metropolitan Telecommunications of Mass. LLC (“Company” or “Carrier”) between one or more points in the Commonwealth of Massachusetts. This Product Guide at the corporate offices of MetTel, 55 Water Street, 32nd Floor, New York, NY 10041.

CHECK SHEET

The Title Sheet and Sheets 1 through 344 inclusive of this Product Guide are effective as of the date shown at the bottom of the respective sheets(s). Revised sheets as named below contain all changes from the original filing that are in effect on the date listed.

<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No</u>	<u>Revision</u>
1	24 th Revised*	36	Original	71	Original	106	Original
2	3 rd Revised	37	1 st Revised	72	Original	107	9 th Revision*
3	1 st Revised	38	Original	73	1 st Revised	108	5 th Revision
4	1 st Revised	39	Original	74	Original	109	Original
5	3 rd Revised	40	Original	75	Original	110	8 th Revision
6	Original	41	Original	76	1 st Revised	110.1	1 st Revised
7	Original	42	Original	77	2 nd Revised	110.2	3 rd Revised
8	Original	43	1 st Revised	78	3 rd Revised	111	1 st Revised
9	Original	44	1 st Revised	79	1 st Revised	112	1 st Revised
10	Original	45	1 st Revised	80	2 nd Revised	113	1 st Revised
11	Original	46	Original	81	Original	114	Original
12	Original	47	Original	82	Original	115	Original
13	Original	48	1 st Revised	83	Original	116	Original
14	Original	49	Original	84	1 st Revised	117	Original
15	Original	50	1 st Revised	85	1 st Revised	118	Original
16	Original	51	1 st Revised	86	1 st Revised	119	Original
17	Original	52	1 st Revised	87	1 st Revised	120	Original
18	Original	53	Original	88	1 st Revised	121	Original
19	Original	54	4 th Revised	89	2 nd Revised	122	Original
20	Original	55	1 st Revised	90	Original	123	Original
21	Original	56	Original	91	Original	124	Original
22	Original	57	Original	92	10 th Revision*	125	Original
23	Original	58	Original	93	7 th Revised	126	Original
24	Original	59	Original	94	Original	127	Original
25	Original	60	1 st Revised	95	Original	128	Original
26	Original	61	Original	96	Original	129	Original
27	Original	62	1 st Revised	97	Original	130	Original
28	Original	63	Original	98	Original	131	Original
29	Original	64	1 st Revised	99	Original	132	Original
30	Original	65	Original	100	10 th Revision*	133	Original
31	Original	66	Original	101	Original	134	Original
32	Original	67	1 st Revised	102	Original	135	Original
33	Original	68	Original	103	Original	136	Original
34	Original	69	Original	104	Original	137	Original
35	Original	70	1 st Revised	105	Original	138	Original
						139	Original

* Indicates Product Guide sheets submitted with this filing.

CHECK SHEET

<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No.</u>	<u>Revision</u>	<u>Sheet No.</u>	<u>Revision</u>
140	Original	176	1 st Revised*	213	Original	248	2 nd Revised
141	Original	177	1 st Revised*	214	Original	249	2 nd Revised
142	Original	178	1 st Revised*	215	Original	250	2 nd Revised
143	Original	179	1 st Revised*	216	Original	251	2 nd Revised
144	Original	180	1 st Revised*	217	Original	252	2 nd Revised
145	Original	181	1 st Revised*	218	Original	253	2 nd Revised
146	Original	182	1 st Revised*	219	Original	254	2 nd Revised
147	Original	183	Original	220	Original	255	2 nd Revised
148	Original	184	Original	221	Original	256	2 nd Revised
149	Original	185	Original	222	Original	257	2 nd Revised
150	Original	186	Original	223	Original	258	2 nd Revised
151	Original	187	Original	224	Original	260	2 nd Revised
152	Original	188	Original	225	Original	261	2 nd Revised
153	Original	189	Original	226	Original	262	2 nd Revised
154	Original	190	Original	227	Original	263	2 nd Revised
155	Original	191	Original	228	Original	264	2 nd Revised
156	1 st Revised*	192	Original	229	Original	265	2 nd Revised
157	1 st Revised*	193	Original	230	Original	266	2 nd Revised
158	1 st Revised*	194	Original	231	Original	267	2 nd Revised
159	1 st Revised*	195	Original	232	Original	268	2 nd Revised
160	1 st Revised*	196	Original	233	Original	269	2 nd Revised
161	1 st Revised*	197	Original	234	Original	270	2 nd Revised
162	1 st Revised*	198	Original	235	Original	271	2 nd Revised
163	1 st Revised*	199	Original	236	Original	272	2 nd Revised
164	1 st Revised*	200	Original	237	Original	273	2 nd Revised
165	1 st Revised*	201	Original	238	Original	274	2 nd Revised
166	1 st Revised*	202	Original	239	Original	275	2 nd Revised
167	2 nd Revised*	203	Original	240	Original	276	2 nd Revised
168	Original	204	Original	241	Original	277	2 nd Revised
169	1 st Revised*	205	Original	242	Original	278	2 nd Revised
170	Original	206	Original	243	Original	279	2 nd Revised
171	Original	207	Original	244	Original	280	2 nd Revised
172	Original	208	Original	245	Original	281	2 nd Revised
173	Original	209	Original	246	2 nd Revised	282	2 nd Revised
174	Original	210	Original	247	2 nd Revised	283	2 nd Revised
175	1 st Revised*	211	Original				
		212	Original				

* Indicates Product Guide sheets submitted with this filing.

CHECK SHEET, Continued

Sheet No.	Revision	Sheet No.	Revision				
284	2 nd Revised*	315	2 nd Revised*				
285	2 nd Revised*	316	2 nd Revised*				
286	2 nd Revised*	317	2 nd Revised*				
287	2 nd Revised*	318	2 nd Revised*				
288	2 nd Revised*	319	Original				
289	2 nd Revised*	320	Original				
290	2 nd Revised*	321	Original				
291	2 nd Revised*	322	Original				
292	2 nd Revised*	323	Original				
293	2 nd Revised*	324	Original				
294	2 nd Revised*	325	Original				
295	2 nd Revised*	326	Original				
295	2 nd Revised*	327	Original				
296	2 nd Revised*	328	Original				
297	2 nd Revised*	329	Original				
298	2 nd Revised*	330	Original				
299	2 nd Revised*	331	Original				
300	2 nd Revised*	332	Original				
301	2 nd Revised*	333	Original				
302	2 nd Revised*	334	Original				
303	2 nd Revised*	335	Original				
304	2 nd Revised*	336	2 nd Rev.*				
305	2 nd Revised*	337	1 st Rev.*				
306	2 nd Revised*	338	1 st Rev.*				
307	2 nd Revised*	339	1 st Rev.*				
308	2 nd Revised*	340	1 st Rev.*				
309	2 nd Revised*	341	1 st Rev.*				
310	2 nd Revised*	342	1 st Rev.*				
311	2 nd Revised*	343	1 st Rev.*				
312	2 nd Revised*	344	1 st Rev.*				
313	2 nd Revised*						
314	2 nd Revised*						

* Indicates Product Guide sheets submitted with this filing.

TABLE OF CONTENTS

Title Sheet Title

Check Sheet 1

Table of Contents 4

Explanation of Symbols 8

Product Guide Format 9

Application of Product Guide 10

Section 1 - Technical Terms and Abbreviations 11

Section 2 - Rules and Regulations 26

 2.1. Undertaking of Company 26

 2.2. Limitations 26

 2.3. Use 27

 2.4. Liabilities of the Company 28

 2.5. Equipment and Facilities 34

 2.6. Customer Responsibilities 34

 2.7. Interruption of Service 35

 2.8. Restoration of Service 36

 2.9. Minimum Service Period 36

 2.10. Access to Customer’s Premises 37

 2.11. Payments and Billing 37

 2.12. Cancellation by Customer 37

 2.13. Cancellation by Company 38

 2.14. Deposits 40

 2.15. Interconnection 40

 2.16. Full Force and Effect 40

 2.17. Credit Limit 41

 2.18. Additional Provisions Applicable to Business Customers 41

 2.19. Reserved for Future Use 43

 2.20. MetPak Advantage Plans 46

Section 3 – Connection Charges 48

 3.1. General 48

 3.2. Restoral Charge 49

 3.3. Moves, Adds, Changes 49

 3.4. Charges Associated with Premises Visit 50

 3.5. Connection Charges – Definitions 53

 3.6. Connection Charges – Rates 54

Section 4 – IntraLATA Toll Usage and Mileage Charges 55

 4.1. General 55

 4.2. Timing of Calls 56

 4.3. Time Periods Defined 57

 4.4. Regulations and Computation of Mileage 58

 4.5. Call Charges 60

(C)

TABLE OF CONTENTS, Continued

<u>DESCRIPTION</u>	<u>SHEET NUMBER</u>	
Section 5 – Supplemental Services	65	
5.1. Custom Calling Service.....	65	
5.2. Class Services.....	68	
5.3. Centrex Service Features.....	71	
5.4. Service and Promotional Trials.....	74	
5.5. Reserved for Future Use.....	76	
5.6. Directory Listing Service.....	77	
5.7. Directory Assistance Service.....	78	
5.8. Reserved for Future Use.....	79	
5.9. Blocking Service.....	80	
5.10. Customized Number Service.....	81	
5.11. Customer Requested Service Suspensions.....	83	
5.12. 800 Number Service.....	83	
Section 6 – Reserved for Future Use	84	(C)
		(D)
		(D)
Section 7 – Business Network Switched Services	90	
7.1. General.....	90	
7.2. Service Descriptions and Rates.....	91	
Section 7A – Business Supplemental Service	110.1	(C)
7A.1 Service Descriptions.....	110.1	
7A.6 Rates.....	110.2	
Section 8 – Special Services and Programs	111	
8.1. Reserved for Future Use.....	111	
8.2. Reserved for Future Use.....	113	(C)
8.3. Special Equipment for the Hearing and/or Speech Impaired.....	113	
8.4. Discounted Service for the Hearing and/or Speech Impaired.....	114	
8.5. Universal Emergency Telephone Number Service.....	115	
8.6. Telephone Relay Service.....	115	
8.7. Special Credit for Blind and Disabled Persons.....	116	
Section 9 – Special Construction	118	
9.1. Special Construction.....	118	
9.2. Non-Routine Installation and/or Maintenance.....	120	
9.3. Individual Case Basis (ICB) Arrangements.....	120	
Section 10 – Local Calling Area	121	
10.1. Metropolitan Boston Exchanges.....	121	
10.2. Outside Metropolitan Boston Exchanges.....	138	
10.3. Reserved for Future Use.....	156	(C)
10.4. Expanded Community Calling Service.....	167	
10.5. Reserved for Future Use.....	169	(C)
10.6. Reserved for Future Use.....	169	
10.7. Reserved for Future Use.....	175	
10.8. Reserved for Future Use.....	178	
10.9. Reserved for Future Use.....	180	(C)

TABLE OF CONTENTS, Continued

<u>DESCRIPTION</u>	<u>SHEET NUMBER</u>
Section 11 – Private Line Services	183
11.1 .Description	183
11.2 .Regulations	184
11.3. Use of Service	185
11.4. Responsibility of the Telephone Company	189
11.5. Responsibility of the Customer	192
11.6. Service Interruptions	194
11.7. Connections to Private Line Service	196
11.8. Application of Rates and Charges	214
11.9. Series 1000 Channels	217
11.10. Series 2000 Channels	221
11.11. Series 3000 Channels	229
11.12. Series 5000 Channels	231
11.13. Series 6000 Channels	237
11.14. Series 10000 Channels	241
11.15. Signaling Arrangements	241
11.16. Dataphone Select-A-Station (DSAS)	242
11.17. Access Lines	243
11.18. Airport Dial Telephone Service.....	244
11.19. Private Line Channels Within Logan Airport.....	245
11.20. Rates	246

TABLE OF CONTENTS, Continued

<u>DESCRIPTION</u>	<u>SHEET NUMBER</u>
Section 12 – Digital Data Services (DDS)	319
12.1 .Digital Data Services – General	319
12.2 .Definitions	319
12.3. Availability	320
12.4. Description	320
12.5. Liability	323
12.6. Interruption of Service.....	324
12.7. Suspension of Service	325
12.8. Customer Responsibility	325
12.9. Regulations	326
12.10. Application of Rates and Charges	329
12.11. Digital Data Services II	329
12.12. General	329
12.13. Definitions	330
12.14. Description	330
12.15. Cancellation	332
12.16. Interruption of Service	332
12.17. Suspension of Service	333
12.18. Customer Provided Equipment	333
12.19. Regulations	334
12.20. Special Construction	334
12.21 Application of Rates and Charges	334
12.22 Termination of Liability.....	335
12.23 Rates for DDS.....	336
12.24 Rates for DDS II.....	338

CONCURRING CARRIERS

None

CONNECTING CARRIERS

None

OTHER PARTICIPATING CARRIERS

None

EXPLANATION OF SYMBOLS

- (C) To signify **changed** condition or regulation.
- (D) To signify **deleted or discontinued** rate, regulation or condition.
- (I) To signify a change resulting in an **increase** to a Customer's bill.
- (M) To signify that material has been **moved from** another Product Guide location.
- (N) To signify a **new** rate, regulation condition or Page.
- (R) To signify a change resulting in a **reduction** to a Customer's bill.
- (T) To signify a change in **text** but no change to rate or charge.

PRODUCT GUIDE FORMAT

- A. **Sheet Numbering** – Sheet numbers appear in the upper right corner of the sheet. Sheets are numbered sequentially. However, occasionally, when a new sheet is added between sheets already in effect, a decimal is added. For example, a new sheet added between sheets 14 and 15 would be 14.1.
- B. **Sheet Revision Numbers** – Revision numbers also appear in the upper right corner of each sheet. These numbers are used to determine the most current sheet version on file. For example, the 4th revised Sheet 14 cancels the 3rd Revised Sheet 14. Consult the Check Sheet for the sheet currently in effect.
- C. **Paragraph Numbering Sequence** – There are nine levels of paragraph coding. Each level of code is subservient to its next higher level:
- 2.
 - 2.1.
 - 2.1.1
 - 2.1.1.A.
 - 2.1.1.A.1.
 - 2.1.1.A.1.(a).
 - 2.1.1.A.1.(a).I.
 - 2.1.1.A.1.(a).I.(i).
 - 2.1.1.A.1.(a).I.(i).(1).
- D. **Check Sheets** – The Check Sheet lists the sheets contained in the Product Guide with a cross-reference to the current revision number. When new sheets are added, the Check Sheet is changed to reflect the revision. All revisions made in a given filing are designated by an asterisk (*). There will be no other symbols used on this sheet if these are the only changes made to it (i.e., the format, etc., remains the same, just revised revision levels on some sheets). The Product Guide user should refer to the latest Check Sheet to find if a particular sheet is the most current.

APPLICATION OF PRODUCT GUIDE

This Product Guide contains the rates applicable to the provision of intrastate communications services by virtue of one-way and/or two-way information transmission between points within the Commonwealth of Massachusetts. MetTel will provide service in the BellAtlantic regulated incumbent serving area.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS

Agency

For 911 or E911 service, the government agency(s) designated as having responsibility for the control and staffing of the emergency report center.

Alternate Routing (“AR”)

Allows E911 calls to be routed to a designated alternate location if: (1) all E911 exchange lines to the primary PSAP (*See* definition of PSAP below.) are busy; or (2) the primary PSAP closes down for a period (night service).

Authorized User

A person, corporation or other entity who is authorized by the Company's Customer to utilize service provided by the Company to the Customer. The Customer is responsible for all charges incurred by an Authorized User.

Automatic Location Identification (“ALI”)

The name and address associated with the calling party's telephone number (identified by ANI as defined below) is forwarded to the PSAP for display. Additional telephones with the same number as the calling party's (secondary locations, off premises, etc.) will be identified with the address of the telephone number at the main location.

Automatic Number Identification (“ANI”)

A system whereby the calling party's telephone number is identified and sent forward with the call record for routing and billing purposes. E911 Service makes use of this system.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Business Service:**

A service which conforms to one (1) or more of the following criteria:

- A. Used primarily for a paid commercial, professional or institutional activity; or
- B. The service is situated in a commercial, professional or institutional location, or other location serving primarily or substantially as a site of an activity for pay; or
- C. The service number is listed as the principal or only number for a business in any telecommunications directory; or
- D. The service is used to conduct promotions, solicitations, or market research for which compensation or reimbursement is paid or provided. However, such use of service, without compensation or reimbursement, for a charitable or civic purpose will not constitute a business use of service unless other criteria apply.

Called Station

The terminating point of a call (i.e., the called number).

Calling Card

A card issued by Company containing such account numbers assigned to its Customer which enables the charges for calls made to be properly billed on a pre-arranged basis.

Central Office

An operating office of the Company where connections are made between telephone exchange lines.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Central Office Line**

A line providing direct or indirect access from a telephone or switchboard to a central office. Central office lines subject to PBX rate treatment are referred to as central office trunks.

Change:

Includes the rearrangement or reclassification of existing service at the same location.

Channel

A point-to-point bi-directional path for digital transmission. A channel may be furnished in such a manner as the Company may elect, whether by wire, fiber optics, radio or a combination thereof and whether or not by means of single physical facility or route. One 1.544 Mbps Service is equivalent to 24 channels.

Channel Conversion

The termination of 1.544. Mbps Service at a Customer's location with conversion of the digital signal to 24 analog voice grade circuits. Channel Conversion can be furnished by the Customer.

Channel Service Unit (“CSU”)

The equipment located at the Customer's premises which terminates each 1.544 Mbps Digital Loop and performs such functions as proper termination of facilities, regeneration of signals, recognition and correction of signal format errors and provides remote loop-back capability.

Commission

Massachusetts Department of Telecommunications and Cable.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued

Communications Systems

Channels and other facilities which are capable of two-way communications between subscriber-provided terminal equipment or telephone company stations, even when not connected to exchange and message toll communications service.

Company:

Metropolitan Telecommunications of Mass. LLC

Credit Card:

A valid bank or financial organization card, representing an account to which the costs of products and services purchased by the card holder may be charged for future payment. Such cards include those issued by VISA or MasterCard.

Disconnect or Disconnection:

The termination of a circuit connection between the originating station and the called station or the Company's operator.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Credit Card**

A valid bank or financial organization card, representing an account to which the costs of products and services purchased by the card holder may be charged for future payment. Such cards include those issued by VISA or MasterCard.

Customer

The person, firm, corporation or other entity which orders or uses service and is responsible for payment of charges and compliance with Product Guide regulation.

Customer Premises Equipment (“CPE”)

Equipment provided by the Customer for use with the Company's services. CPE can include a station set, facsimile machine, key system, PBX or other communication system.

Dedicated Access

Non-switched access between a Customer's premises and the point of presence of the Company's underlying carrier.

Default Routing (“DR”)

When an incoming E911 call cannot be selectively routed due to an ANI failure, garbled digits or other causes, such incoming calls are routed from the E911 Control Office to a default PSAP. Each incoming E911 facility group to the Control Office is assigned to a designated default PSAP.

Demarcation Point

The physical dividing point between the Company's network and the Customer.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Digital**

A method of storing, processing and transmitting information through the use of distinct electronic or optical pulses that represent the binary digits (bits) 0 and 1. Digital transmission/switching technologies employ a sequence of discrete, individually distinct pulses to represent information, as opposed to the continuously variable signal of analog technologies.

Direct Inward Dial (“DID”)

A service attribute that routes incoming calls directly to stations, by-passing a central answer point.

Direct Outward Dial (“DOD”)

A service attribute that allows individual station users to access and dial outside numbers directly.

Disconnect or Disconnection

The termination of a circuit connection between the originating station and the called station or the Company’s operator.

Dual Tone Multi-Frequency (“DTMF”)

The pulse type employed by tone dial station sets (touch tone).

Emergency Service Number (“ESN”)

A unique code, assigned by the Company, used to define specific combinations of police, fire and/or ambulance jurisdictions, or any other authorized agency, which are designated by the Customer.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued

E911 Customer

A governmental agency that is the customer of record and is responsible for all negotiations, operations and payment of bills in connection with the provision of E911 service.

E911 Service Area

The geographic area in which the government agency will respond to all E911 calls and dispatch appropriate emergency assistance.

Error

A discrepancy or unintentional deviation by the Company from what is correct or true. An “error” can also be an omission in records.

Exchange

An area, consisting of one or more central office districts, within which a call between any two points is a local call.

Exchange Access Line

A central office line furnished for direct or indirect access to the exchange system.

Exchange Service

The provision to the subscriber of access to the exchange system for the purpose of sending and receiving calls. This access is achieved through the provision of a central office line (exchange access line) between the central office and the subscriber's premises.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Final Account**

A Customer whose service has been disconnected who has outstanding charges still owed to the Company.

Flat Rate Service

The type of exchange service provided at a monthly rate with an unlimited number of calls within a specified primary calling area.

Ground Start

Describes the signaling method between the PBX/key system interface and the Company's switch. It is the signal requesting service.

Handicapped Person

A person who is legally blind, visually handicapped or physically handicapped, under the following definitions from the Federal Register (Vol. 35 No. 126 dated June 30, 1970).

Legally Blind - a person whose visual acuity is 20/200 or less in the better eye with correcting glasses, or whose widest diameter of visual field subtends an angular distance no greater than 20 degrees.

Visually Handicapped - a person whose visual disability, with correction and regardless of optical measurement with respect to legal blindness, are certified as unable to read normal printed material.

Physically Handicapped - a person who is certified by competent authority as unable to read or use ordinary printed materials as a result of physical limitation, or a person whose disabling condition causes difficulty with hand and finger coordination and use of a coin telephone.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued

Holidays:

Holidays include New Year's Day (January 1), Independence Day (July 4), Labor Day (the first Monday in September), Thanksgiving Day (the fourth Thursday in November), and Christmas Day (December 25).

Hunting:

Routes a call to an idle station line in a prearranged group when the called station is busy.

Incoming Service Group

Two or more central office lines arranged so that a call to the first line is completed to a succeeding line in the group when the first line is in use.

ISDN:

ISDN provides integrated voice and/or data communications capability for transmission of voice and/or data and packet switched data signals on an incoming and outgoing basis over a single line.

Interface

That point on the premises of the subscriber at which provision is made for connection of facilities provided by someone other than the Company to facilities provided by the Company.

Interoffice Mileage

The segment of a line which extends between the central offices serving the originating and terminating points.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Interruption**

The inability to complete calls, either incoming or outgoing or both, due to Company facilities malfunction or human errors.

LATA

Local Access and Transport Area. The area within which the Company provides local and long distance (“intraLATA”) service. For call to numbers outside this area (“interLATA”) service is provided by long distance companies.

Leased Channel

A non-switched electrical path used for connection of equipment furnished by the subscriber to equipment furnished by the subscriber or the Company for a specific purpose.

Link

The physical facility from the network interface on an end-user’s or carrier's premises to the point of interconnection on the main distribution frame of the Company’s central office.

Local Call

A call which, if placed by a Customer over the facilities of the Company, is not rated as a toll call.

Local Calling Area

The area, consisting of one or more central office districts, within which a subscriber for exchange service may make telephone calls without a toll charge.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Local Service**

Telephone exchange service within a local calling area.

Loop Start

Describes the signaling between the terminal equipment or PBX/key system interface and the Company's switch. It is the signal requesting service.

Loops

Segments of a line which extend from the serving central office to the originating and to the terminating point.

Kbps:

Kilobits per second, denotes thousands of bits per second.

Message Rate Service

A type of exchange service provided at a monthly rate with an additional charge for local calling based on the usage of the local network. One completed call is equal to one message.

Move

The disconnection of existing equipment at one location and reconnection of the same equipment at a new location in the same building or in a different building on the same premises.

Multi-Frequency (“MF”)

An inter-machine pulse-type used for signaling between telephone company switches, or between telephone company switches and PBX/key systems.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Multiline Hunt**

A method of call signaling by which a call placed to one number is subsequently routed to one or more alternative numbers when the called number is busy.

Network Control Signaling

The transmission of signals used in the telecommunications system which perform functions such as supervision (control, status and charging signals), address signaling (e.g. dialing), calling and called number identification, audible tone signals (call progress signals indicating re-order or busy conditions, alerting) to control the operation of switching machines in the telecommunications system.

Network Control Signaling Unit

The terminal equipment furnished, installed and maintained by the Telephone Company for the provision of network control signaling.

Node

The location to which digital channels are routed and where access is provided to such lines and associated equipment for testing.

PBX

A private branch exchange.

Port

A connection to the switching network with one or more voice grade communications channels, each with a unique network address (telephone number) dedicated to the Customer. A port connects a link to the public switched network.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Premises**

The space occupied by a Customer or authorized user in a building or buildings or contiguous property not separated by a public right of way.

Private Branch Exchange Service

Service providing facilities for connecting central office trunks and tie lines to PBX stations, and for interconnecting PBX station lines by means of a switchboard or dial apparatus.

Public Safety Answering Point (“PSAP”)

An answering location for E911 calls originating in a given area. A PSAP may be designated as primary or secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first; secondary PSAPs receive calls on a transfer basis only and generally serve as a centralized answering location for a particular type of emergency call.

Rate Center

A geographic reference point with specific coordinates on a map used for determining mileage when calculating charges.

Referral Periods

The time frame during which calls to a number which has been changed will be sent to a recording which will inform the caller of the new number.

Resale of Service

The subscription to communications service and facilities by one entity and the reoffering of communications service to others (with or without “adding value”) for profit.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued**Same Premises**

All space in the same building in which one subscriber has the right of occupancy, and all space in different buildings on contiguous property when occupied solely by the same subscriber. Foyers, hallways and other space for the common use of all occupants of a building are considered the premises of the operator of the building.

Selective Routing (“SR”)

A feature that routes an E911 call from a Central Office to the designated primary PSAP based upon the identified number of the calling party.

Serving Central Office

The central office from which local service is furnished.

Sharing

An arrangement in which several users collectively use communications service and facilities provided by a carrier, with each user paying a pro-rata share of the communication related costs.

Station

Each telephone on a line and where no telephone associated with the line is provided on the same premises and in the same building, the first termination in station key equipment or a jack for use with a portable telephone.

Subscriber:

See “Customer” definition.

SECTION 1 – TECHNICAL TERMS AND ABBREVIATIONS, Continued

Suspension

Suspension of service for nonpayment is interruption of outgoing service only. Suspension of service at the subscriber's request is interruption of both incoming and outgoing service.

Toll Call

Any call extending beyond the local exchange of the originating caller which is rated on a toll schedule by the Company.

Two Way

A service attribute that includes DOD for outbound calls and can also be used to carry inbound calls to a central point for processing.

SECTION 2 – RULES AND REGULATIONS

2.1. UNDERTAKING OF COMPANY

- 2.1.1. Company's services are furnished for telecommunications originating and/or terminating in any area within the Commonwealth of Massachusetts.
- 2.1.2. Company offers resold and facilities-based telecommunications services to Customers for the direct transmission and reception of voice, data, and other types of communications.
- 2.1.3. The Company's services are provided on a monthly basis unless otherwise provided, and are available twenty-four (24) hours per day, seven (7) days per week.
- 2.1.4. Request for service under this Product Guide will authorize the Company to conduct a credit search on the Customer. The Company reserves the right to refuse service on the basis of credit history, and to refuse further service due to late payment or nonpayment by the Customer.

2.2. LIMITATIONS

- 2.2.1. Service is offered subject to availability of the necessary facilities and/or service and subject to the provisions of this Product Guide.
- 2.2.2. The Customer obtains no property right or interest in the use of any specific type of facility, service, equipment, telephone number, process or code. All rights, titles and interests remain, at all times, solely with the Company.

SECTION 2 – RULES AND REGULATIONS, Continued**2.2. LIMITATIONS, Continued**

- 2.2.3. Prior written permission from the Company is required before any assignment or transfer. All regulations and conditions contained in this Product Guide shall apply to all such permitted assignees or transferees, as well as all conditions of service.
- 2.2.4. The Company may, upon reasonable notice, make such tests and inspections as may be necessary to determine whether the terms and conditions of this Product Guide are being complied with in the installation, operation or maintenance of the Customer's or the Company's facilities or equipment.
- 2.2.5. The Company reserves the right to refuse an application for service by a present or former Customer who is indebted to the Company for service previously rendered pursuant to this Product Guide until this indebtedness is satisfied.

2.3. USE

- 2.3.1. Service may be used for the transmission of communications by the Customer for any lawful purpose for which it is technically suited.
- 2.3.2. Service may not be used for any unlawful purpose or for any purpose for which any payment or other compensation is received by the Customer, except when the Customer is a duly authorized and regulated common carrier. This provision does not prohibit an arrangement between the Customer, authorized user or joint user to share the cost of service.
- 2.3.3. The name(s) of the Customer(s) desiring to use the service must be set forth in the application for service.
- 2.3.4. The Company strictly prohibits use of the Company's services without payment or an avoidance of payment by the Customer by fraudulent means or devices including providing falsified calling card numbers or invalid calling card numbers to the Company, providing falsified or invalid credit card numbers to the Company or in any way misrepresenting the identity of the Customer.

SECTION 2 – RULES AND REGULATIONS, Continued**2.3. USE, Continued**

- 2.3.5. Recording of telephone conversations of service provided by the Company under this Product Guide is prohibited except as authorized by applicable federal, state and local laws.
- 2.3.6. Service will not be used to call another person so frequently or at such times of day or in any other manner so as to annoy, abuse, threaten or harass the called party.
- 2.3.7. Service will not be used in any manner which interferes with other persons in the use of their service, prevents other persons from using their service or otherwise impairs the quality of service to other Customers.
- 2.3.8. The Company reserves the right to refuse an application for service made by a present or former Customer who is indebted to the Company for service previously rendered pursuant to this Product Guide until the indebtedness is satisfied.

2.4. LIABILITIES OF THE COMPANY

- 2.4.1. The liability of the Company for damages arising out of the furnishing of these services, including but not limited to mistakes, omissions, interruptions, delays, or errors, or other defects, representations, or use of these services or arising out of the failure to furnish the service, whether caused by acts of commission or omission, shall be limited to the extension of allowances for interruption as set forth in Section 2.7. The extension of such allowances for interruption shall be the sole remedy of the Customer, authorized user, or joint user and the sole liability of the Company. The Company will not be liable for any special, consequential, exemplary or punitive damages a Customer may suffer, whether or not caused by the intentional acts or omissions or negligence of the Company's employees or agents.
- 2.4.2. The Company shall not be liable for any failure of performance or equipment due to causes beyond its control, including but not limited to: acts of God, fire, flood or other catastrophes; any law, order, regulation, direction, action, or request of the United States Government, or of any other government, including state and local governments having or claiming jurisdiction over the Company, or of any department, agency, commission, bureau, corporation, or other instrumentality of any one or more of these federal, state, or local governments, or of any civil or military authority; national emergencies; insurrections; riots; wars; unavailability of rights-of-way or materials; or strikes, lock-outs, work stoppages, or other labor difficulties.

SECTION 2 – RULES AND REGULATIONS, Continued**2.4. LIABILITIES OF THE COMPANY, Continued**

- 2.4.3. The Company shall not be liable for the claims of vendors supplying equipment to Customers of the Company which may be installed at premises of the Company nor shall the Company be liable for the performance of said vendor or vendor's equipment.
- 2.4.4. The Company does not guarantee nor make any warranty with respect to installations it provides for use in an explosive atmosphere. The Customer indemnifies and holds the Company harmless from any and all loss, claims, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted, or asserted by any other party or person(s), and for any loss, damage, or destruction of any property, whether owned by the Customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location, or use of any installation so provided.
- 2.4.5. The Company shall not be liable for any damages resulting from delays in meeting any service dates due to delays resulting from normal construction procedures. Such delays shall include, but not be limited to, delays in obtaining necessary regulatory approvals for construction, delays in obtaining right-of-way approvals and delays in actual construction work.
- 2.4.6. The Company is not liable for any defacement of or damage to the premises of a Customer (or authorized or joint user) resulting from the furnishing of services or equipment on such premises or the installation or removal thereof, when such defacement or damage is not the result of negligence or willful misconduct on the part of the agents or employees of the Company.
- 2.4.7. The Company shall not be liable for any damages whatsoever to property resulting from the installation, maintenance, repair or removal of equipment and associated wiring unless the damage is caused by Company's willful misconduct or negligence.
- 2.4.8. The Company shall not be liable for any damages whatsoever associated with service, facilities, or equipment which the Company does not furnish or for any act or omission of Customer or any other entity furnishing services, facilities or equipment used for or in conjunction with Teleport Communications Service.

SECTION 2 – RULES AND REGULATIONS, Continued**2.4. LIABILITIES OF THE COMPANY, Continued**

2.4.9. The liabilities of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission occurring in the course of furnishing service or other facilities and not caused by the negligence of the Customer, commences upon activation of service and in no event exceeds an amount equivalent to the greater of \$500.00 or two (2) times the proportionate charge to the Customer for the period of service during which such mistakes, omissions, interruptions, delays, errors, or defects in transmission occur. For the purpose of computing such amount, a month is considered to have thirty (30) days. In no event will the Company be responsible for consequential damages for lost profits suffered by a customer or end user as the result of interrupted or unsatisfactory service.

2.4.10. Company shall be indemnified and held harmless by the Customer against:

- A. Claims for libel, slander, infringement of copyright or unauthorized use of any trademark, trade name or service mark arising out of the material, data, information or other content transmitted over Company's facilities; and
- B. Claims for patent infringement arising from combining or connecting Company's facilities with apparatus and systems of the Customer; and
- C. All other claims arising out of any act or omission of the Customer in connection with any service provided by Company.

SECTION 2 – RULES AND REGULATIONS, Continued**2.4. LIABILITIES OF THE COMPANY, Continued**

- 2.4.11. No agents or employees of connecting, concurring or other participating carriers or companies shall be deemed agents or employees of the Company without written authorization.
- 2.4.12. The Company shall not be liable for damages or adjustments, refunds, or cancellation of charges unless the Customer has notified the Company, in writing, of any dispute concerning charges, or the basis of any claim for damages, after the invoice is rendered by the company for the call giving rise to such dispute or claim, unless ordered by the Commission pursuant to Massachusetts law. Any such notice must set forth sufficient facts to provide the Company with a reasonable basis upon which to evaluate the Customer's claim or demands.
- 2.4.13. The Company shall not be liable for any damages, including usage charges, that the Customer may incur as a result of the unauthorized use of its communications equipment. The unauthorized use of the Customer's communications equipment includes, but is not limited to, the placement of calls from the Customer's premises and the placement of calls through Customer-controlled or Customer-provisioned equipment that are transmitted or carried over the Company's network services without the authorization of the Customer. The Customer shall be fully liable for all such charges.

SECTION 2 - RULES AND REGULATIONS, Continued**2.4. LIABILITIES OF THE COMPANY, Continued**

- 2.4.14. The Company shall not be liable for the Customer's failure to fulfill its obligations to take all necessary steps, including obtaining, installing and maintaining all necessary equipment, materials and supplies for interconnecting the terminal equipment or communications system of the Customer, or any third party acting as the Customer's agent, to the Company's network.
- 2.4.15. With respect to Emergency Number 911 Service:
- A. This service is offered solely as an aid in handling assistance calls in connection with fire, police and other emergencies. The Company is not responsible for any losses, claims, demands, suits or any liability whatsoever, whether suffered, made, instituted or asserted by the Customer, or by any other party or person, for any personal injury to or death of any person or persons, and for any loss, damage or destruction of any property, whether owned by the Customer or others, caused or claimed to have been caused by: (1) mistakes, omissions, interruptions, delays, errors or other defects in the provision of this service; or (2) installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of any equipment and facilities furnishing this service.
 - B. Neither is the Company responsible for any infringement or invasion of the right of privacy of any person or persons, caused or claimed to have been caused, directly or indirectly, by the installation, operation, failure to operate, maintenance, removal, presence, condition, occasion or use of Emergency 911 Service features and the equipment associated therewith, or by any services furnished by the Company, including, but not limited to, the identification of the telephone number, address or name associated with the telephone used by the party or parties accessing Emergency 911 Service, and which arises out of the negligence or other wrongful act of the Company, the Customer, its users, agencies or municipalities, or the employees or agents of any one of them.

SECTION 2 - RULES AND REGULATIONS, Continued**2.4. LIABILITIES OF THE COMPANY, Continued**

- 2.4.16. In the absence of gross negligence or willful misconduct, no liability for damages arising from errors, mistakes in or omissions of directory listings, or errors, mistakes or omissions of listings obtainable from the directory assistance operator, including errors in the reporting thereof, will attach to the Company.
- 2.4.17. The Company's liability arising from errors or omissions in directory listings will be limited to the amount of actual impairment to the Customer's service and in no event will exceed one-half (1/2) the amount of the fixed monthly charges applicable to exchange service affected during the period covered by the directory in which the error or omission occurs.
- 2.4.18. As part of providing any private listing or semi-private listing services, the Company will not be liable for failure or refusal to complete any call to such telephone when the call is not placed by dialing a number which includes the number of the party called. The Company will try to prevent the disclosure of unpublished listings, but will not be liable in any manner should such a number be divulged.
- 2.4.19. When a Customer with a non-published telephone number places a call to the Emergency 911 Service, the Company will release the name and address of the calling party, where such information can be determined, to the appropriate local governmental authority responsible for the Emergency 911 Service, upon request of such governmental authority. By subscribing to service under this Product Guide, the Customer agrees to the release of such information under the above provision.
- 2.4.20. The Company will use reasonable efforts to make available services to a Customer on or before a particular date, subject to the provisions of, and compliance by the Customer with, the regulations contained in this Product Guide. The Company does not guarantee availability by any such date and will not be liable for any delays in commencing service to any Customer.
- 2.4.21. THE COMPANY MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED EITHER IN FACT OR OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE, EXCEPT THOSE EXPRESSLY SET FORTH HEREIN.

SECTION 2 - RULES AND REGULATIONS, Continued**2.5. EQUIPMENT AND FACILITIES**

2.5.1. The Company will not be responsible for the installation, operation or maintenance of any Customer-provided communications equipment. Where Customer-provisioned equipment is connected to the facilities furnished under this Product Guide, the responsibility of the Company will be limited to the furnishing of facilities offered pursuant to this Product Guide. Beyond this responsibility, the Company will not be responsible for:

- A. the transmission of signals by Customer-provided equipment or for the quality of, or defects in, such transmission; or
- B. the reception of signals by Customer-provided equipment; or
- C. network control signaling when performed by Customer-provided network control signaling equipment.

2.5.2. At the request of the Customer, installation or maintenance may be performed outside of the Company's regular business hours or in hazardous locations. In such cases, charges based on cost of the actual labor, material or other costs incurred by or charged by the Company will apply. If installation or maintenance is started during regular business hours, but, at the Customer's request, extends beyond regular business hours into time periods including, but not limited to, weekends, holidays and/or night hours, additional charges may apply.

2.6. CUSTOMER RESPONSIBILITIES

2.6.1. The Customer is responsible for the payment of all charges for services furnished to the Customer and for all additional charges for calls the Customer elects to continue making.

2.6.2. The Customer is responsible for compliance with applicable regulations set forth in this Product Guide.

SECTION 2 - RULES AND REGULATIONS, Continued**2.6. CUSTOMER RESPONSIBILITIES, Continued**

- 2.6.3. The Customer is responsible for establishing its identity as often as necessary during the course of the call or when seeking credits from the Company.

2.7. INTERRUPTION OF SERVICE

- 2.7.1. Credit allowance for interruptions of service which are not due to Company's testing or adjusting, to the negligence of the customer, or to the failure of channels, equipment and/or communications equipment provided by the Customer, are subject to the general liability provisions set forth in Section 2.4., herein. It shall be the obligation of the customer to notify Company of any interruptions of service. Before giving such notice, the Customer shall ascertain that the trouble is not being caused by any action or omission of the Customer, not within the Customer's control.
- 2.7.2. For purposes of credit computation for service, every month shall be considered to have 720 hours. No credit shall be allowed for an interruption of a continuous duration of less than two hours.
- 2.7.3. The subscriber shall be credited for an interruption of two hours or more at the rate of 1/720th of the monthly charge for the facilities affected for each hour or major fraction thereof that the interruption continues.

Credit formula: $\text{Credit} = (A/720) \times B$

A - outage time in hours

B - total monthly charge for affected utility

SECTION 2 - RULES AND REGULATIONS, Continued**2.8. RESTORATION OF SERVICE**

- 2.8.1. The use and restoration of service in emergencies shall be in accordance with part 64, Subpart D of the Federal Communications Commission's Rules and Regulations on file with the Commission, which specifies the priority system for such activities.
- 2.8.2. When a Customer's service has been disconnected in accordance with this Product Guide and the service has been terminated through the completion of a Company service order, service will be restored only upon the basis of application for new service.

2.9. MINIMUM SERVICE PERIOD

- 2.9.1. The minimum service period is one month (30 days). The Customer must pay the regular Product Guided rate for the service they subscribe to for the minimum period of service. If a Customer disconnects service before the end of the minimum service period, that Customer is responsible for paying the regular rates for the remainder of the minimum service period. When the service is moved within the same building, to another building on the same premises, or to a different premises entirely, the period of service at each location is accumulated to calculate if the Customer has met the minimum period of service obligation.
- 2.9.2. If service is terminated before the end of the minimum period of service as a result of condemnation of property, damage to property requiring the premises to be abandoned, or by the death of the Customer, the Customer is not obligated to pay for service for the remainder of the minimum period.
- 2.9.3. If service is switched over to a new Customer at the same premises after the first month's service, the minimum period of service requirements are assigned to the new Customer if the new Customer agrees in writing to accept them. For facilities not taken over by the new Customer, the original Customer is responsible for the remaining payment for the minimum service period in accordance with the terms under which the service was originally furnished.

SECTION 2 - RULES AND REGULATIONS, Continued**2.10. ACCESS TO CUSTOMER'S PREMISES**

The Customer shall be responsible for making arrangements or obtaining permission for safe and reasonable access for Company employees or agents of the Company to enter the premises of the Customer or any joint user or Customer of the Customer at any reasonable hour for the purpose of inspecting, repairing, testing or removing any part of the Company's facilities.

2.11. PAYMENTS AND BILLING

2.11.1. The Company will comply with the Billing and Termination Rules set forth in D.P.U. 18448.

2.12. CANCELLATION BY CUSTOMER

2.12.1. Business Customers may cancel service by providing written notice to Company at least thirty (30) days prior to cancellation.

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2.12.2. Customer is responsible for usage charges while still connected to the Company's service and the payment of associated local exchange company charges, if any, for service charges.

2.12.3. Any non-recoverable cost of Company expenditures shall be borne by the Customer if:

- A. The Customer orders service requiring special facilities dedicated to the Customer's use and then cancels the order before such service begins, before completion of the minimum period or before completion of some the period mutually agreed with the Customer for the non-recoverable portions of expenditures; or
- B. Liabilities are incurred expressly on behalf of the Customer by Company and not fully reimbursed by installation and monthly charges; and
- C. If based on an order for service and construction has either begun or has been completed, but no service provided.

SECTION 2 - RULES AND REGULATIONS, Continued**2.13. CANCELLATION BY COMPANY**

2.13.1. The Company will comply with the Discontinuance of Service Rules set forth in D.P.U. 18448. Company reserves the right to immediately discontinue furnishing the service to customers without incurring liability:

- A. In the event of a condition determined to be hazardous to the Customer, to other Customers of the Company, to the Company's equipment, the public or to employees of the Company; or
- B. By reason of any order or decision of a court or any other governmental authority which prohibits the Company from furnishing such service; or
- C. If the Company deems such refusal necessary to protect itself or third parties against fraud or to otherwise protect its personnel, agents, facilities or services without notice; or
- D. For unlawful use of the service or use of the service for unlawful purposes; or
- E. If the Customer provides false information to the Company regarding the Customer's identity, address, credit-worthiness, past, current or planned use of Company's services.

2.13.2. Company may discontinue service according to the following conditions upon ten (10) days' written notice:

- A. For violation of Company's filed Product Guides; or
- B. For the non-payment of any proper charge as provided by Company's Product Guide; or
- C. For Customer's breach of the contract for service between the Company and Customer; or
- D. When necessary for the Company to comply with any order or request of any governmental authority having jurisdiction.

SECTION 2 - RULES AND REGULATIONS, Continued**2.13. CANCELLATION BY COMPANY, Continued**

- 2.13.3. Prohibited, unlawful or improper use of the facilities or service includes, but is not limited to:
- A. The use of facilities or service of the Company without payment of Product Guide charges;
 - B. Calling or permitting others to call another person or persons so frequently or at such times of the day or in such manner as to harass, frighten, abuse or torment such other person or persons;
 - C. The use of profane or obscene language;
 - D. The use of the service in such a manner such that it interferes with the service of other customers or prevents them from making or receiving calls;
- 2.13.4. The discontinuance of service(s) by the Company pursuant to this section does not relieve the Customer of any obligations to pay the Company for charges due and owing for service(s) furnished up to the time of discontinuance. The remedies available to the Company set forth herein shall not be exclusive and the Company shall at all times be entitled to all the rights available to it under law or equity.
- 2.13.5. The Company may refuse to permit collect calling, calling card, third number billing which it determines to be fraudulent and/or may limit the use of these billing options or services.

SECTION 2 - RULES AND REGULATIONS, Continued**2.14. DEPOSITS**

- 2.14.1. The Company may require a deposit from the Customer in accordance with D.P.U. 18448 and 220 CMR 26.09.

2.15. INTERCONNECTION

- 2.15.1. The Customer shall secure all licenses, permits, rights-of-way and other arrangements necessary for interconnection with the Company. In addition, the Customer shall ensure that its equipment and/or system or that of its agent is properly interfaced with the Company's service and the signals emitted into the Company's network are of the proper mode, band-width, power, data speed and signal level for the intended use of the Customer. If the Customer or its agent fails to properly maintain and operate its equipment and/or system of that of its agent, the Company may, upon written request, require the use of protective equipment at the Customer's expense.
- 2.15.2. Service furnished by Company may be interconnected with services or facilities of other authorized communications common carriers and with private systems, subject to the technical limitations established by Company. Any special interface of equipment or facilities necessary to achieve compatibility between the facilities of Company and other participating carriers shall be provided at the Customer's expense.
- 2.15.3. Interconnection between the facilities or services of other carriers shall be under the applicable terms and conditions of the other carriers' Product Guides. The Customer is responsible for taking all necessary legal steps for interconnecting Customer-provided terminal equipment or communications equipment with Company's facilities. The Customer shall secure all licenses, permits, rights-of-way, and other such arrangements necessary for interconnection.

2.16. FULL FORCE AND EFFECT

Should any provision or portion of this Product Guide be held by a court or administrative agency of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions of this Product Guide will remain in full force and effect.

SECTION 2 - RULES AND REGULATIONS, Continued**2.17. CREDIT LIMIT**

The Company may, at any time and at its sole discretion, set a credit limit for any Customer's consumption of services for any monthly period.

2.18. ADDITIONAL PROVISIONS APPLICABLE TO BUSINESS CUSTOMERS**2.18.1. Application of Rates**

a. Business rates as described in this Product Guide apply to service furnished:

1. In office buildings, stores, factories and all other places of a business nature;
2. In hotels, apartment houses, clubs and boarding and rooming houses except when service is within the customer's domestic establishment and no business listings are provided; colleges, hospitals and other institutions; and in churches except when service is provided to an individual of the clergy for personal use only and business service is already established for the church at the same location;
3. At any location when the listing or public advertising indicates a business or a profession;
4. At any location where the service includes an extension which is at a location where business rates apply unless the extension is restricted to incoming calls;
5. At any location where the customer resells or shares exchange service;

b. The use of business facilities and service is restricted to the customer, customers, agents and representatives of the customer, and joint users.

SECTION 2 - RULES AND REGULATIONS, Continued**2.18. ADDITIONAL PROVISIONS APPLICABLE TO BUSINESS CUSTOMERS,
Continued****2.18.2. Telephone Number Changes**

When a business customer requests a telephone number change, the referral period for the disconnected number is 180 days.

Company reserves all rights to the telephone numbers assigned to any customer. The customer may order a Customized Number where facilities permit for an additional charge as specified in this Product Guide.

When service in an existing location is continued for a new customer, the existing telephone number may be retained by the new customer only if the former customer consents in writing, and if all charges against the account are paid or assumed by the new customer.

2.18.3. Dishonored Checks

If a business customer who has received a notice of discontinuance pays the bill with a check that is subsequently dishonored, the account remains unpaid and Company is not required to issue any additional notice before disconnecting service.

SECTION 2 - RULES AND REGULATIONS, Continued

2.19. RESERVED FOR FUTURE USE

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SECTION 2 - RULES AND REGULATIONS, Continued

2.19. RESERVED FOR FUTURE USE , Continued

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SECTION 2 - RULES AND REGULATIONS, Continued

2.19. RESERVED FOR FUTURE USE , Continued

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SECTION 2 - RULES AND REGULATIONS, Continued**2.20. METPAK ADVANTAGE PLANS****2.20.1. MetPak Advantage Plans - Overview**

MetPak Advantage Plans provide a choice of unlimited calling plans for a fixed monthly fee, in addition to the monthly charge for basic dial tone service. There are three plans to choose from: (1) unlimited local calling, (2) unlimited local and regional toll calling and (3) unlimited local, regional toll and long distance calling. In addition, for Business Message Rate lines, the MetPak Plus Advantage Plan provides for the combination of one of the unlimited calling plans with a set of popular call management features. MetPak Plus Advantage Plans (for POTS lines only) include one of the above plans in preceding and all of the following features for a fixed monthly fee of \$10.00 per line; Anonymous Call Rejection, Caller ID with Name, Call Forwarding, Three-Way Calling, Speed Dialing 8, Unlimited *69 Call Return and *66 Repeat Dial.

2.20.2 Product Requirements

Only one plan can be ordered per individual line. These calling plans are only available on MetTel Business Message Rate POTS and Centrex Lines on the UNE-Platform. The MetPak Plus Advantage plans are only available on MetTel Business POTS lines on the UNE-Platform. Lines on Resale are not eligible for these plans at this time. The price of a POTS or Centrex line is not included in the plan.

The Unlimited Calling Plans are available to business customers, who at the time they order these plans have no more than 25 voice grade lines for all BTNs per service address. Eligible customers may order the Unlimited Plans on a maximum of 10 lines per service address. Business customers with multiple service addresses may order the Unlimited Plans subject to the preceding eligibility requirements. Customers must use MetTel as their local, regional toll and long distance carrier in order to qualify for these plans. If a customer PIC's "None" for regional and long distance, they will still qualify for the unlimited local plan. If they PIC "None" for long distance, they will still qualify for the unlimited local and regional plan or an unlimited local and a per minute MetTel regional calling plan. These plans only apply to voice traffic for sent-paid, directly-dialed local, regional toll and domestic long distance calls, i.e., in-state and state-to-state. Calls to Internet Service Providers, which is non-voice information access traffic, are not covered under this plan. MetTel reserves the right to terminate the MetPak Advantage Plans for customers who use the service for non-voice traffic or with services or equipment as defined in this section.

SECTION 2 - RULES AND REGULATIONS, Continued**2.20. METPAK ADVANTAGE PLANS, Continued**

2.20.2 Restrictions

These plans are not available for use with PBX Trunks, ground start lines or trunks, ISDN BRI or ISDN PRI Services, Digital PBX Trunk Services (T 1s), Remote Call Forwarding Service, Foreign Exchange Service, Coin or Pay Telephone Service, or for use with Predictive Dialers, Call Center operations or for Toll Free Services. Unlimited service will not be provided to customers with PBX or Key Systems who convert their trunks to POTS lines. This plan is not intended for customers with PBXs or Key Systems.

SECTION 3 – CONNECTION CHARGES

3.1. GENERAL

- 3.1.1. The Connection Charge is a nonrecurring charge which applies to the following: (a) the installation of a new service; (b) the transfer of an existing service to a different location; (c) a change from one class of service to another at the same or a different location; or (d) restoral of service after suspension or termination for nonpayment; or (e) to disconnect service in whole or in part.

Connection Charges are listed with each service to which they apply.

3.1.2. Exceptions to the Charge

- a. No charge applies for a change to a service for which a lower monthly rate applies, made within 90 days after any general rate increase, if a lower grade of service is offered in the customer's exchange.
- b. (D)
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- c. The Company may from time to time waive or reduce the charge as part of a promotion. See Section 5.4.

SECTION 3 – CONNECTION CHARGES, Continued**3.2. RESTORAL CHARGE**

A restoral charge applies each time a service is reconnected after suspension or termination for nonpayment but before cancellation of the service, as deemed in Section 1 of this Product Guide.

3.3. MOVES, ADDS AND CHANGES¹

The Company alone may make changes in the location of its lines and equipment. When it is found that a move or change of such lines or equipment has been made by others, the Connection Charge for the underlying service will apply as if the work had been done by the Company.

The customer will be assessed a charge for any move, add or change of a Company service. Move, Add and Change are defined as follows:

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| Move: | The disconnection of existing equipment at one location and reconnection of the same equipment at a new location in the same building or in a different building on the same premises. |
| Add: | The addition of a vertical service to existing equipment and/or service at one location. |
| Change: | Change - including rearrangement or reclassification - of existing service at the same location. |

SECTION 3 – CONNECTION CHARGES, Continued**3.4. CHARGES ASSOCIATED WITH PREMISES VISIT****3.4.1. Terms and Conditions**

The customer may request an estimate or a firm bid before ordering wire installation work to be done. When an estimate is provided, the estimate is not binding on the Company and the charge to be billed will be based on the actual time and materials charges incurred. When a firm bid is provided at customer request, the charge to be billed is the amount quoted to the customer for the work requested.

Inside Wire charges apply per service call when billable premises work is performed on noncomplex premises wire and jacks. Such charges are due and payable when billed. (C)

Noncomplex wire, jacks and materials include:

- ◆ 2 to 6 pair inside wire
- ◆ Faceplates
- ◆ RJ11C, RJ14C, RJ11W and RJ14W type station jacks
- ◆ Staples, screws, nail, tape, connectors, etc.

3.4.2. Premise Visit Charge

When a trip to the Customer's premise is required to complete work requested by the Customer, as shown on the related Service Order.

Per Premises Visit, Business: (C)

First 30 Minutes	\$27.50
Additional 15 Minutes	\$13.75

SECTION 3 – CONNECTION CHARGES, Continued**3.4. CHARGES ASSOCIATED WITH PREMISES VISIT, Continued****3.4.3. Inside Wire Maintenance and Installation**

The customer may provide inside wiring for single-line station equipment or may elect to have the Company's technicians install or maintain inside wire.

1. Inside Wire Installation Charge

Flat Installation Charges apply when a customer requests new noncomplex wire and jack installation or requests existing noncomplex wire and jack moves, changes, removals, rearrangements, replacements or pre-wiring.

Material is included in each time increment charge.

Flat Jack Installation Charge	ICB
Per order, per premises	
- 1st Jack	ICB
- Each Additional, Prewired	ICB
- Each Additional, Unwired	ICB

(D)
(D)

Flat Wire Installation Charge	ICB
Per wall, per wire pull, business	ICB

2. Flat Inside Wire Maintenance Charge ICB

The Flat Inside Wire Maintenance Charge applies when a customer requests noncomplex wire and jack maintenance and does not subscribe to the Inside Wire Maintenance Option. Material is included in the Flat Time and Materials Charge.

(D)

Per Premises Visit, Business	ICB
------------------------------	-----

SECTION 3 – CONNECTION CHARGES, Continued

3.4. CHARGES ASSOCIATED WITH PREMISES VISIT, Continued

3.4.3. Inside Wire Maintenance and Installation, Continued

3. Monthly Inside Wire Maintenance Option

The Monthly Inside Wire Maintenance Option provides subscribers paying a monthly fee with ongoing maintenance of noncomplex wire and jack. Premises Visit Charges and Time and Material Charges are waived for maintenance work provided under the terms of the Monthly Inside Wire Maintenance Option.

Inside Wire Monthly
Maintenance Option

ICB

(D)

SECTION 3 – CONNECTION CHARGES, Continued**3.5. CONNECTION CHARGES - DEFINITIONS**

- A. New Line Installation charges apply for each new or additional telephone access line or trunk placed by the Customer with the Company.
- B. Move Service-Different Premises charges apply when the Customer requests the move of their service, in whole or in part, to a location other than their primary or existing premise.
- C. Telephone Number Change charges apply for each request placed by the Customer to the Company for the change of a telephone number.
- D. Rewire charges apply for each request placed by the Customer that requires the Company to physically rewire facilities.
- E. Feature Change charge will apply when a customer requests new or additional features to be added to their telephone line.
- F. Change of Service charge will apply when a customer requests a change in the type or grade of service.
- G. Maintenance Charges will apply will apply whenever the Company is required to dispatch a service technician for reasons that are deemed to be unrelated to a technical failure on the part of the Company.
- H. Disconnection Order Charge: When subscriber lines and trunks are disconnected the Company incurs costs which may include other carrier related charges.

SECTION 3 – CONNECTION CHARGES, Continued**3.6. CONNECTION CHARGES - RATES**

Business	First Line	Each Additional Line
New Line Installation, per line or trunk	\$208.15	\$200.00
Move Service-Different Premises, per line or trunk	208.15	200.00
Telephone Number Change, per line or trunk	126.00	69.00
Rewire-From One Type of Service to Another	59.26	44.71
Remote Call Forwarding - per Path	44.71	
Hunting Arrangement – per Line Group	44.71	
Features Add - per order	44.71	
Change of Service Charge	50.00 (I)	
Maintenance /Repair Charges – per line (D)		
New Install Inside Wire (D)	\$175.00 (first ½ hr);	(D)
	\$85.00 each addl ½ hr)	(D)
Repair Inside Wire-per Line/TK (T)	\$350.00 (I)	
Maintenance of Service Charge (No trouble found, no access)-per line/trunk	\$350.00 (I)	

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.2. TIMING OF CALLS**

- 4.2.1. Unless otherwise indicated, all calls are timed in one minute increments and all calls which are fractions of a minute are rounded up to the next whole minute.
- 4.2.2. For station to station calls, call timing begins when a connection is established between the calling telephone and the called telephone station.
- 4.2.3. For person to person calls, call timing begins when connection is established between the calling person and the particular person, station or mobile unit specified or an agreed alternate.
- 4.2.4. Call timing ends when the calling station "hangs up," thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released either by automatic timing equipment in the telephone network or by a Company operator.
- 4.2.5. Calls originating in one time period as defined in Section 4.3 and terminating in another will be billed the rates in effect at the beginning of each minute.

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.3. TIME PERIODS DEFINED**

Unless otherwise indicated in this Product Guide, the following time periods apply.

4.3.1. Day: 7:00 a.m. to, but not including, 7:00 p.m. - Monday through Friday

4.3.2. Evening/
Night: 7:00 p.m. to, but not including, 7:00 a.m. - Sunday through Friday
All day Saturday and Sunday
All Holidays

4.3.3. Holidays include Christmas, New Year's Day, Thanksgiving, Independence Day, and Labor Day.

4.3.4. All times refer to local time.

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.4. REGULATIONS AND COMPUTATION OF MILEAGE**

Calls for which rates are mileage sensitive are rated on the airline distance between the originating rate center and the terminating rate center.

4.4.1. Originating Rate Center

A customer's primary local exchange number includes an NXX code that is associated with a specific rate center. The originating point of all calls charged to that customer's account shall be the location of the customer's rate center.

4.4.2. Terminating Rate Center

The terminating point for all calls shall be the location of the local rate center associated with the called number.

4.4.3. Calculation of Mileage

Usage charges for all mileage sensitive products are based on the airline distance between serving wire centers associated with the originating and terminating points of the call. The serving wire centers of a call are determined by the area codes and exchanges of the origination and destination points.

The distance between any two rate centers is determined as follows:

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.4. REGULATIONS AND COMPUTATION OF MILEAGE** (cont'd)

4.4.3. Calculation of Mileage (cont'd)

Airline mileage, where mileage is the basis for rating calls, is obtained by using the "V" and "H" coordinates assigned to each rate center and contained in NECA FCC Product Guide No. 4 or successor Product Guides. To determine the airline distance between any two locations, proceed as follows:

- a. Obtain the "V" and "H" coordinates for each location. The "V" coordinate is the first four digits in the "VH" column. The "H" coordinate is the next four digits.
- b. Obtain the difference between the "V" coordinates of each of the locations. Obtain the difference between the "H" coordinates.
- c. Square each difference obtained in step b., above.
- d. Add the square of the "V" difference and the "H" difference obtained in step c., above.
- e. Divide the sum of the square by 10. Round to the next higher whole number if any fraction is obtained.
- f. Obtain the square root of the whole number result obtained above. Round to the next higher whole number if any fraction is obtained. This is the airline mileage.

Formula:
$$\sqrt{\frac{(V_1 - V_2)^2 + (H_1 - H_2)^2}{10}}$$

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.5. CALL CHARGES**

4.5.1. Usage charge is based on the actual usage of Company's service. Usage begins when the receiver of the called number is answered. The moment of the called party's answer is determined by hardware supervision in which the local telephone company sends a signal to the underlying carrier's switch or the software utilizing audio tone detection. The timing of the call occurs when called party answers and terminated when either party hangs up.

Charges for all classes of calls may be to the calling station, to the called station when the called party agrees to accept the charges, to an authorized telephone number which is not the called station or the calling station (3rd number billing), or to an authorized calling card.

1. Schedule 1 applies to Coin Sent-Paid calls within LATA 128 (NPAs 508, 617, 781 and 978).
2. Schedule 2 applies to all non-Dial Station calls within LATA 128. (C)
3. Schedule 3 applies to business Dial Station calls within LATA 128.
4. Schedule 4 applies to all calls within LATA 126 (NPA 413).
5. (D)
6. Schedule 6 applies to business Dial Station calls within LATA 126.
7. Schedule 7 applies to all non-Dial Station calls within LATA 126.
8. Schedule 8 applies to Coin Sent-Paid calls within LATA 126.

Any portion of an applicable increment, after the appropriate minimum time for the call, will be rounded upward to the next increment. Calls less than the minimum length will be rounded to the minimum length.

There is no billing for incomplete calls.

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.5. CALL CHARGES, Continued**

4.5.2. Usage Charges

A. Schedule 1

Mileage	Day First Minute	Day Add'l Minute	Evening First Minute	Evening Add'l Minute	Night First Minute	Night Add'l Minute
0-10	\$0.1900	\$0.0900	\$0.1240	\$0.0590	\$0.0760	\$0.0360
11+	\$0.2600	\$0.1200	\$0.1690	\$0.0780	\$0.1040	\$0.0480

B. Schedule 2

Mileage	Day First Minute	Day Add'l Minute	Evening First Minute	Evening Add'l Minute	Night First Minute	Night Add'l Minute
0-10	\$0.1400	\$0.0600	\$0.0740	\$0.0550	\$0.0460	\$0.0360
11-14	\$0.2100	\$0.0900	\$0.1190	\$0.0550	\$0.0540	\$0.0360
15+	\$0.2700	\$0.1100	\$0.1580	\$0.0610	\$0.0780	\$0.0360

C. Schedule 3

Day First Minute	Day Add'l Minute	Evening First Minute	Evening Add'l Minute	Night First Minute	Night Add'l Minute
\$0.0800	\$0.0800	\$0.0390	\$0.0390	\$0.0390	\$0.0390

C.1 Per Message \$0.01

C.2 Volume Discounts

Total Monthly Minutes of Usage	Credit
0-900	\$0.00
901+	\$0.03

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued**4.5. CALL CHARGES, Continued**

4.5.2. Usage Charges

G. Schedule 7*

Peak First Minute	Peak Add'l Minute	Off-Peak First Minute	Off-Peak Add'l Minute
\$0.0550	\$0.0550	\$0.0360	\$0.0360

G.1 Per Message 0.01

H. Schedule 8*

Peak First Minute	Peak Add'l Minute	Off-Peak First Minute	Off-Peak Add'l Minute
\$0.0550	\$0.0550	\$0.0360	\$0.0360

H.1 Per Message 0.01

*Under Schedules 4, 6, 7, and 8 the Peak rate applies Monday – Friday, 9:00 AM – 8:59 PM. The Off-Peak rate applies all other times, including recognized holidays.

SECTION 4 - INTRALATA TOLL USAGE AND MILEAGE CHARGES, Continued

(D)

(D)

SECTION 5 - SUPPLEMENTAL SERVICES

5.1. CUSTOM CALLING SERVICE

5.1.1. General

The features in this section are made available on an individual basis or as part of multiple feature packages. All features are provided subject to availability; features may not be available with all classes of service. Transmission levels may not be sufficient in all cases.

5.1.2. Description of Features

a. Three Way Calling/Call Hold

Three Way calling allows a Customer to add a third party to an existing call, enabling a simultaneous conference between parties at multiple locations. The Call Hold feature allows a customer to put any in-progress call on hold by flashing the switch hook and dialing a code. This frees the line to allow the customer to make an outgoing call to another number. Only one call per line can be on hold at a time. The third party cannot be added to the original call.

b. Call Forwarding

Call Forwarding, when activated, redirects attempted terminating calls to another customer-specific line. The customer may have to activate and deactivate the forwarding function and specify the desired terminating telephone number during each activation procedure. Call originating ability is not affected by Call Forwarding.

The calling party is billed for the call to the called number. If the forwarded leg of the call is chargeable, the customer with the Call Forwarding is billed for the forwarded leg of the call.

Call Forwarding - Busy automatically reroutes an incoming call to a customer predesignated number when the called number is busy.

Call Forwarding - Don't Answer automatically reroutes an incoming call to a customer predesignated number when the called number does not answer within the number of rings programmed by Company.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.1. CUSTOM CALLING SERVICE, Continued**

5.1.2. Description of Features, Continued

Call Forwarding - Variable allows the customer to choose to reroute incoming calls to another specified telephone number. The customer must activate and deactivate this feature.

c. Calling Name and Number Delivery

This feature will enable the Customer to receive the name of the caller, the time, date, and the calling number on an incoming call. The name and number will be delivered to the called party's CPR in the interval between the first and second ring. The displayed name is the name associated with the calling party number.

d. Call Waiting/Cancel Call Waiting

Call Waiting provides a tone signal to indicate to a customer already engaged in a telephone call that a second caller is attempting to dial in. It will also permit the customer to place the first call on hold, answer the second call and then alternate between both callers. Cancel Call Waiting (CCW) allows a Call Waiting (CW) customer to disable CW for the duration of an outgoing telephone call. CCW is activated (i.e., CW is disabled) by dialing a special code prior to placing a call, and is automatically deactivated when the customer disconnects from the call.

e. Distinctive Ringing

This feature enables a user to determine the source of an incoming call from a distinctive ring. The user is provided with up to two additional telephone numbers.

f. Regular Multiline Hunting

This feature is a line hunting arrangement that provides sequential search of available numbers within a multiline group.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.1. CUSTOM CALLING SERVICE, Continued**

5.1.2. Description of Features, Continued

g. Return Call

This feature allows the Customer to place a call to the telephone number of the calling party should the call be unanswered or unknown by dialing a code to activate this feature.

h. Speed Calling

This feature allows a user to dial selected numbers using one or two digits. Up to eight numbers (single digit, or thirty numbers with two digits) can be selected.

5.1.3. Rates and Charges

a. Monthly Rates

Rates for this service are located in Section 7, Business Network Switched Service. (C)

b. Connection Charges¹

Connection charges may apply when a customer requests connection to one or more custom calling features. Orders requested for the same customer account made at the same time for the same premises will be considered one request. These charges may not apply if the features are ordered at the same time as other work for the same customer account at the same premises.

c. Trial Period

Company may elect to offer a free or reduced rate trial of any new custom calling feature(s) to prospective customers within 90 days of the establishment of the new feature. See 5.4., Service and Promotional Trials, below.

¹Rates appear on Sheet 54

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.2. CLASS SERVICES****5.2.1. General**

The features in this section are made available on an individual basis or as part of multiple feature packages. All features are provided subject to availability; features may not be available with all CLASS services. Transmission levels may not be sufficient in all cases.

5.2.2. Description of Features**a. Call ID**

The Call ID feature allows a customer to see a caller's name and number previewed on a display screen before the call is answered allowing a customer to prioritize and or screen incoming calls. Call ID records the name, number, date and time of each incoming call - including calls that aren't answered by the customer. Call ID service requires the use of specialized CPE not provided by Company. It is the responsibility of the customer to provide the necessary CPE.

b. Automatic Redial

The Automatic Redial feature allows a customer to automatically redial the last number dialed. This is accomplished by the customer activating a code. The network periodically tests the busy/free status of the called line for up to 30 minutes until both lines are found free and then redials the call for the customer.

The Automatic Redial feature also allows customers, having reached a busy number, to dial a code before hanging up. Automatic Redial feature then continues to try the busy number for up to 30 minutes until it becomes free. Once the busy line is free the call is automatically redialed and the customer is notified of the connected call via a distinctive ring.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.2. CLASS SERVICES, Continued****5.2.2. Description of Features, Continued****b. Automatic Redial, Continued**

The following types of calls cannot be Automatically Redialed:

- i) Calls to 800 Service numbers
- ii) Calls to 900 Service numbers
- iii) Calls preceded by an interexchange carrier access code
- iv) International Direct Distance Dialed calls
- v) Calls to Directory Assistance
- vi) Calls to 911

c. Automatic Recall

The Automatic Recall stores the number of the most recent incoming call (including unanswered incoming calls) to a customer's number. This allows a customer to dial back any missed or unanswered telephone calls.

d. Customer Originated Trace

Customer Originated Trace allows customers to key in a code that alerts the network to trace the last call received. The traced telephone number is automatically sent to Company for storage for a limited amount of time and is retrievable by legally constituted authorities upon proper request by them. By contacting Company the customer can use this application to combat nuisance calls.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued

5.2. CLASS SERVICES, Continued

5.2.3. Rates and Charges

a. Monthly Rates

Rates for this service are located in Section 7, Business Network Switched Service. (C)

b. Connection Charges

Connection charges may apply when a customer requests connection to one or more features. Orders requested for the same customer account made at the same time for the same premises will be considered one request. These charges may not apply if the features are ordered at the same time as other work for the same customer account at the same premises.

c. Trial Period

Company may elect to offer a free or reduced rate trial of any new CLASS feature(s) to prospective customers within 90 days of the establishment of the new feature. See 5.4, Service and Promotional Trials, below.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.3. CENTREX SERVICE FEATURES**

5.3.1. General

The features in this section are made available on an individual basis or as part of multiple feature packages. All features are provided subject to availability; features may not be available with all classes of service. Transmission levels may not be sufficient in all cases.

5.3.2. Description of Features

a. Camp On

This feature allows the switch to observe that a wanted line is busy, wait until it is free, then automatically and immediately connect the calling line that has been waiting.

b. Call Pickup

This feature allows a user to answer any call within an associated preset pickup group. If more than one line in the pickup group has an unanswered incoming call, the call to be answered is selected by the switching system. Call Pickup answers a call that has been directed to another station within the same preset Call Pickup group.

c. Call Transfer - All Calls

Call Transfer allows a station user to transfer an established call to another station. The station from which the call is transferred will be assessed any long distance charges incurred as a result of the transfer.

d. Directed Call Pickup with Barge-In

This feature answers calls directed to a specific line from any other telephone line in the user group.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.3. CENTREX SERVICE FEATURES, Continued**

5.3.2. Description of Features, Continued

e. Directed Call Pickup without Barge-In

This feature is identical to the Directed Call Pickup with Barge-In except, if the line being picked up has already been answered, the party dialing the pickup code is routed to reorder (i.e., fast busy) rather than permitted to barge in on the established connection and create a three-way call.

f. Circular Hunting

This feature (similar to regular hunting) is a line hunting arrangement that allows all lines in a multi-line hunt group (MLHG) to be tested for busy, regardless of the point of entry into the group. When a call is to a line in a MLHG, a regular hunt is performed starting at the station associated with the dialed number. It continues to the last station in the MLHG, then proceeds to the first station in the group and continues to hunt sequentially through the remaining lines in the group. Busy tone is returned if the original called station is reached without finding a station that is idle.

g. Series Completion

This feature is a form of hunting similar to the multiline hunt group hunting and the Call Forwarding Busy Line feature. It allows calls to be made to a busy directory number to be routed to another specified directory number. The series completion hunt begins with the originally dialed member of the series completion group, and searches for an idle directory number from the list of directory numbers.

h. Account Codes

This feature adds an account number (code) to an Automatic Message Accounting (AMA) and/or Message Detail Recording (MDR) record for assigning customer charges. The number of digits in a customer's account code group will be defined by Company.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.3. CENTREX SERVICE FEATURES, Continued**

5.3.2. Description of Features, Continued

i. Terminal Group and Station Restriction

This feature defines a station's network access capability either individually within a Centrex group or for the group as a whole. It defines the Centrex group and what level of access a station will have; i.e., intragroup only, toll restriction, etc.

j. Uniform Call Distribution

This feature is a hunting arrangement that assigns incoming calls uniformly among the stations in the group.

5.3.3. Rates and Charges

a. Monthly Rates

Rates for this service are located in Section 7, Business Network Switched Service. (C)

b. Connection Charges

Connection charges may apply when a customer requests connection to one or more features. Orders requested for the same customer account made at the same time for the same premises will be considered one request. These charges may not apply if the features are ordered at the same time as other work for the same customer account at the same premises.

c. Trial Period

Company may elect to offer a free or reduced rate trial of any new Centrex feature(s) to prospective customers within 90 days of the establishment of the new feature. See 5.4, Service and Promotional Trials, below.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.4. SERVICE AND PROMOTIONAL TRIALS**

5.4.1. General

Company may establish temporary promotional programs wherein it may waive or reduce nonrecurring or recurring charges, to introduce a present or potential customer to a service not previously subscribed to by the customer.

5.4.2. Regulations

- a. Appropriate notification of the Trial will be made to all eligible customers. Appropriate notification may include direct mail, bill inserts, broadcast or print media, direct contact or other comparable means of notification.
- b. During a Service Trial, the service(s) is provided automatically to all eligible customers, except those customers who choose not to participate. Customers will be offered the opportunity to decline the trial service both in advance and during the trial. A customer can request that the designated service be removed at any time during the trial and not be billed a recurring charge for the period that the feature was in place. At the end of the trial, customers that do not contact Company to indicate they wish to retain the service will be disconnected from the service at no charge.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.4. SERVICE AND PROMOTIONAL TRIALS, Continued**

5.4.2. Regulations, Continued

- c. During a Promotional Trial, the service is provided to all eligible customers who ask to participate. Customers will be notified in advance of the opportunity to receive the service in the trial for free. A customer can request that the service be removed at any time during the trial and not be billed a recurring charge for the period that the service was in place. At the end of the trial, customers that do not contact Company will be disconnected from the service.
- d. Customers can subscribe to any service listed as part of a Promotional Trial and not be billed the normal Connection Charge. The offering of this trial period option is limited in that a service may be tried only once per customer, per premises.
- e. Company retains the right to limit the size and scope of a Promotional Trial.
- f. All service and promotional offerings will be filed with the DPU for review and Product Guide approval.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.6. DIRECTORY LISTING SERVICE****5.6.1. General**

For each Customer of Company provided Local Exchange Service, the Company will arrange for the listing of the Customer's mail billing telephone number in the directory(ies) published by the incumbent Local Exchange Company in the area at no additional charge

5.6.2. Primary Directory Listings

One (1) primary listing is provided without extra charge for each main service or for the first number in a group, when two (2) or more main station lines are consecutively operated.

5.6.3. Additional Directory Listings

Charges for additional listings begin on the date the information records are posted and are payable annually in advance

5.6.4. Non-Published Telephone Number Service

Non-Published Telephone Number Service provides for the omission or deletion of a Customer's telephone number listing from the directory and is not given out upon request.

5.6.5. Non-Listed Telephone Number Service

A non-listed telephone number is one for which no listing appears in the alphabetical section of the directory. The number is listed in the information records and is given out upon request. A Service Connection Charge as stated in 5.1.3 of this Product Guide, applies to the establishment or change of non-listed telephone numbers.

5.6.6. Rates

Primary Service Listing	No charge
Additional Listings, each Business	\$5.95
Non-Published Telephone Number service, per line	\$6.25
Non-Listed Telephone Number service, per line	\$5.75

(D)

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.7. DIRECTORY ASSISTANCE SERVICE****5.7.1. General**

A customer may obtain assistance, for a charge, in determining a telephone number by dialing Directory Assistance Service. A customer can also receive assistance by writing Company with a list of names and addresses for which telephone numbers are desired.

5.7.2. Regulations

A Directory Assistance Charge applies for each telephone number, area code, and/or general information requested from the Directory Assistance operator except as follows:

- a. Calls from coin telephones, including COCOTS.
- b. Requests for telephone numbers of non-published service.
- c. Requests in which the Directory Assistance operator provides an incorrect number. The customer must inform Company of the error in order to receive credit.
- d. Requests from individuals with certified visual or physical handicaps in which the handicap prevents the use of a local directory. Individuals must be certified in accordance with the terms outlined under "Handicapped Person" in Section 10 of this Product Guide, up to a maximum of 50 requests per month.
- e. Request from exchange lines of Massachusetts and its political subdivisions.

5.7.3. Rates

Business	Per call
Direct dial calls (local numbers):	\$5.99
Direct dial (national numbers):	\$5.99
Calls placed via operator:	\$5.99

(C)

SECTION 5 - SUPPLEMENTAL SERVICES, Continued

5.8. Reserved for Future Use

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SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.9. BLOCKING SERVICE**

5.9.1. General

Blocking service is a feature that permits customers to restrict access from their telephone line to various discretionary services. The following blocking options are available to business customers:

- a. 900, 700 Blocking - allows the subscriber to block all calls beginning with the 900 and 700 prefixes (i.e. 900-XXX-XXXX) from being placed.
- b. 900, 971, 974, 540, 550, 396, 970, 976, 910, 920 & 700 Blocking - allows the subscriber to block all calls beginning with the above prefixes from being placed.
- c.
- d. Toll Restriction (1+ and 0+ Blocking) - provides the subscriber with local dialing capabilities but blocks any customer-dialed call that has a long distance charge associated with it.

Toll Restriction will not block the following types of calls: 911 (Emergency), 1 + 800 (Toll Free), and operator assisted toll calls.

- e. Toll Restriction Plus - provides subscribers with Toll Restriction, as described in 1.d. of this Section, and blocking of 411 calls.
- f.

5.9.2. Regulations

- a.
- b. Blocking Service is available where equipment and facilities permit.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.9. BLOCKING SERVICE, Continued**

5.9.3. Rates and Charges

Blocking Service is provided at no charge.

5.10. CUSTOMIZED NUMBER SERVICE

5.10.1. General

- a. Customized Number Service allows a customer to order a specified telephone number rather than the next available number.
- b. Customized Number Service is furnished subject to the availability of facilities and requested telephone numbers.
- c. Company will not be responsible for the manner in which Customized Numbers are used for marketing purposes by the customer.
- d. When a new customer assumes an existing service which includes Customized Number Service, the new customer may keep the Customized Number, at the Product Guideed rate, with the written consent of Company and the former customer.
- e. Company reserves and retains the right:
 1. To reject any request for specialized telephone numbers and to refuse requests for specialized telephone numbers;
 2. Of custody and administration of all telephone numbers, and to prohibit the assignment of the use of a telephone number by or from any customer to another, except as otherwise provided in this Product Guide;
 3. To assign or withdraw and reassign telephone numbers in any exchange area as it deems necessary or appropriate in the conduct of its business.
 4. The limitation of liability provisions of this Product Guide are applicable to Customized Number Service.

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.10. CUSTOMIZED NUMBER SERVICE, Continued**

5.10.2. Conditions

- a. Charges for Customized Number Service apply when a customer:
 1. Requests a telephone number other than the next available number from the assignment control list, and such requested number is placed into service within six months of the date of the request.
 2. Requests a number change from the customer's present number to a Customized Number.
- b. Company shall not be liable to any customer for direct, indirect or consequential damages caused by a failure of service, change of number, or assignment of a requested number to another customer whether prior to or after the establishment of service. In no case shall Company be liable to any person, firm or corporation for an amount greater than such person, firm or corporation has actually paid to Company for Customized Number Service.

5.10.3. Rates

\$10.00 per request - NRC

SECTION 5 - SUPPLEMENTAL SERVICES, Continued**5.11. CUSTOMER REQUESTED SERVICE SUSPENSIONS**

5.11.1. At the request of the customer Company will suspend incoming and outgoing service on the customer's access line for a period of time not to exceed one year. The equipment is left in place and directory listings are continued during the suspension period without change. At the customer's request Company will provide the customer with an intercept recording referring callers to another number.

5.11.2. Company will assess a lower monthly rate for Customer Requested Service Suspension as noted below. However, any mileage charges, monthly cable charges or monthly construction charges are still due, without reduction during the period of suspension.

<u>Period of Suspension</u>	<u>Charge</u>
- First Month or Partial Month	Regular Monthly Rate (no reduction)
- Each Additional Month (up to the one year limit)	1/2 Regular Monthly Rate

5.12 800 NUMBER SERVICE

5.12.1 Rates and Charges

Nonrecurring Charges

Set-Up Fee	\$35.00
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Recurring Charges

Monthly Charge	\$5.95
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Usage Charge

1 st Minute	\$0.069
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Each Additional Minute or fraction thereof	\$0.069
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Payphone Surcharge, per call	\$0.30
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Itemized Call Detail, per month per routing arrangement	\$0.00
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Alternate Call Routing, per month Each Additional Routing Number	\$1.00
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SECTION 6 – RESERVED FOR FUTURE USE

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SECTION 6 - RESERVED FOR FUTURE USE, Continued

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SECTION 6 - RESERVED FOR FUTURE USE, Continued

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SECTION 6 - RESERVED FOR FUTURE USE, Continued

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SECTION 6 - RESERVED FOR FUTURE USE, Continued

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SECTION 6 - RESERVED FOR FUTURE USE, Continued

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SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES**7.1. GENERAL**

Business Network Switched Service provide a business customer with a connection to Company's switching network which enables the customer to:

- a. receive calls from other stations on the public switched telephone network;
- b. access Company's local calling service;
- c. access Company's operators and business office for service related assistance; access toll-free telecommunications service such as 800 NPA; and access 911 service for emergency calling; and
- d. access the service of providers of interexchange service. A customer may presubscribe to such provider's service to originate calls on a direct dialed basis or to receive 800 service from such provider, or may access a provider on an ad hoc basis by dialing the provider's Carrier Identification Code (101XXXX).

Business Network Switched Service is provided via one or more channels terminated at the customer's premises. Each Business Network Switched Service channel corresponds to one or more analog, voice-grade telephonic communications channels that can be used to place or receive one call at a time.

Connection charges as described in Section 3 apply to all service on a one-time basis unless waived pursuant to this Product Guide.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES**

All Business Network Switched Service may be connected to customer-provided terminal equipment such as station sets, key systems, PBX systems, or facsimile machines. Service may be arranged for two-way calling, inward calling only or outward calling only. Optional Voice Mail Service is available.

Business customers a choice of two local calling plans, flat-rate and measured. However, the flat-rate plan is not available in the following exchanges:

Arlington, Belmont, Boston, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Chicopee, Dorchester, East Boston, East Longmeadow, Everett, Holyoke, Hyde Park, Jamaica Plain, Lexington, Longmeadow, Ludlow, Malden, Medford, Melrose, Milton, North Swansea, Quincy, Rehoboth, Revere, Roxbury, Seekonk, Somerville, South Boston, Southgate, Southwick, Springfield, Waltham, Watertown, Westfield, Wilbraham, Winthrop

Rates for the measured plan vary by geographic area as defined in Section 3, above. Under the flat-rate plan, flat-rate customers are subject to usage charges for the following calls within the Boston and Eastern Region for Zone 1 and all calls in Zone 2. The usage rates for the measured plan vary by geographic area. The Western region (LATA 126) has a uniform rate for all local calls.

The Peak rates for the Western region usage apply Monday - Friday, 9:00 AM - 8:59 PM; Off-Peak rates apply at all other hours, including the five recognized holidays of New Year's Day, Independence Day, Labor Day, Thanksgiving and Christmas.

An optional service, Expanded Community Calling, allows customers in the bolded exchanges to call specific exchanges that are outside of the regular local calling area. The monthly fee applies for the first two hours of usage per line or trunk; Essential.com bills additional usage by the minute.

Charges for Business Network Switched Service include a nonrecurring service connection charge and a monthly recurring charge for each line. Monthly recurring charges apply to optional voice mail and service features.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.1. Individual Line Recurring Charges (Monthly)

Measured Monthly Basic Charge		
Month-to-Month	\$93.75	(I)
12 Months	\$75.94	(I)
24 Months	\$71.25	(I)
36 Months	\$67.50	(I)
*Usage – Unlimited Business Line	\$33.46	
*Usage – Unlimited Business Trunk	\$58.74	

* Flat Rate Lines not available in Metropolitan Boston and other exchanges. (Usage rates are in addition to line rates above.)

7.2.2. Reserved for Future Use

7.2.3. Usage Charges	<u>First</u>	<u>Additional</u>
	<u>Minute</u>	<u>Minute</u>
Eastern Region		
Zone 1		
Unlimited Usage Exchanges	\$0.1710	\$0.0320
Measured Usage Exchanges	\$0.1710	\$0.0320
Zone 2	\$0.1710	\$0.0320
Western Region		
Peak	\$0.1710	\$0.0320
Off Peak	\$0.1710	\$0.0320

Peak hours are 8:00 a.m. to 9:59 p.m. Monday through Friday.

7.2.4. Optional Features

	<u>Flat-Rate</u>	<u>Measured</u>
	<u>Monthly</u>	<u>Monthly</u>
Expanded Community Calling		
First Two Hours, Per Line/Trunk/per min.	\$2.38	\$0.00
Additional Minute of Usage	\$0.04	\$0.00

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued

7.2.5. Custom Calling Service Features (Monthly Charges)

Call Waiting, per line	\$20.50
Call Forwarding (Variable), per line	\$20.00
Call Forwarding II (busy), per line	\$9.00
Call Forwarding II (no answer), per line	\$14.50
Call Forwarding II (busy/no answer), per line	\$14.50
Speed Calling (8 number), per line	\$7.00
Speed Calling (30 number), per line	\$9.00
Three-way Calling, per line	\$15.50
Call Intercept	\$12.99
Anonymous Call Rejection	\$5.00
Caller ID	\$15.50
Caller ID with Name	\$19.50
Call Waiting ID	\$10.35
Call Waiting ID with Name	\$14.50
Call Waiting ID Deluxe with Number	\$10.35
Call Waiting ID Deluxe with Name	\$14.50
Ultra- Forward	\$5.50
Unlimited *69 Call Return	\$6.75
Unlimited *66 Repeat Dialing	\$6.00
Unlimited Call Return and Repeat Dialing	\$8.75
Distinctive Ringing 1 Additional Number	\$13.50
Distinctive Ringing 2 Additional Numbers	\$11.50
Talking Call Waiting	\$2.38

Per-Use Features

Call Return, per use	\$2.00
Repeat Dialing, per use	\$2.00
Call Trace, per use	\$5.00
(Non- Recurring Charge)	\$5.00
Three-Way Calling, per use	\$2.00

Remote Call Forwarding

Per Path, per Month	\$66.25 (I)
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SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.6. Business Key System Line Service****a. Description**

Business Key System Line Service provides the customer with a single, analog, voice-grade telephonic communications channel which can be used to place or receive one call at a time. The Business Key System Line is available as a message rated service. Business Key System Line Service is provided for connection of customer-provided key system terminal equipment. All key system lines will be equipped with touchtone and multiline hunt.

Calls to points within the local exchange area are charged on the basis of the number of completed calls originating from the customer's service in addition to a base monthly charge. Local calling areas are as specified in Section 10.

Each Business Key System Line has the following characteristics:

Terminal Interface:	2-wire
Signaling Type:	Loop start
Pulse Types:	Dual Tone Multifrequency (DTMF)
Directionality:	Two-Way, In-Only, or Out-Only, at the option of the customer

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.6. Business Key System Line Service, Continued****b. Recurring and Nonrecurring Charges**

In addition to the nonrecurring charges listed below, service order charges apply as described in Section 3 of this Product Guide.

Charges for each Message Rate Service line include a monthly recurring Base Service Charge and usage charges for completed calls originated from the customer's line based on the total number of calls during the billing period.

Monthly Recurring Charges:

- Flat Rate Business Key	ICB
- Message Rate Business Key	ICB
- Voice Mail Option, per line	ICB

Custom Calling Features:
(per line, per month)

- Each feature	ICB
- Package of 3 features	ICB
- Package of 6 features	ICB
- Package of 9 features	ICB

CLASS Features:

(per line, per month)

- Each feature	ICB
- Package of 3 features	ICB
- Package of 6 features	ICB
- Package of 9 features	ICB

c. Message Usage Charges

Per Message	ICB
-------------	-----

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.7. Shared Tenant Service****a. General**

Shared Tenant Service is a multi-station system furnished in apartment and townhouse complexes for the use of the residents. The "customer" for shared tenant service is the owner of an apartment complex or reseller for shared tenant service. This service enables the customer or locations served by the customer to originate and receive calls within its system at no additional charge. The customer is responsible for payment of all charges, including local and toll charges and all nonrecurring monthly charges.

Each Shared Tenant Service Line has the following characteristics:

Terminal Interface:	2-wire
Signaling Type:	Loop start
Pulse Types:	Dual Tone Multi-Frequency (DTMF)
Directionality:	Two-Way, In-Only, or Out-Only, at the option of the customer

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2 SERVICE DESCRIPTIONS AND RATES, Continued****7.2.7. Shared Tenant Service, Continued****b. Flat Rate Shared Tenant Service****1. Description**

Service to points within the local calling area is included in the charge for Flat Rate Shared Tenant Service. Local calling areas are as specified in Section 10.

2. Recurring and Nonrecurring Charges

In addition to the nonrecurring charges listed below, service order charges apply as described in Section 3 of this Product Guide.

Per Service Line:

Monthly Recurring Charges:

- | | |
|-------------------------------|-----|
| - Each Service Line | ICB |
| - Voice Mail Option, per line | ICB |

Custom Calling Features:

(per line, per month)

- | | |
|-------------------------|-----|
| - Each feature | ICB |
| - Package of 3 features | ICB |
| - Package of 6 features | ICB |
| - Package of 9 features | ICB |

CLASS Features:

(per line, per month)

- | | |
|-------------------------|-----|
| - Each feature | ICB |
| - Package of 3 features | ICB |
| - Package of 6 features | ICB |
| - Package of 9 features | ICB |

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES**, Continued

7.2.7. Shared Tenant Service, Continued

c. Message Rate Shared Tenant Service

1. Description

Calls to points within the local exchange area are charged on the basis of the number of completed calls originating from the customer's service in addition to a base monthly charge and usage charges for completed calls originated from the customer's line based on the total number of calls during the billing period. Local calling areas are as specified in Section 10.

2. Recurring and Nonrecurring Charges

In addition to the nonrecurring charges listed below, service order charges apply as described in Section 3 of this Product Guide.

Monthly Recurring Charges:

- | | |
|-------------------------------|-----|
| - Each Base Service Line | ICB |
| - Voice Mail Option, per line | ICB |

Custom Calling Features:

(per line, per month)

- | | |
|-------------------------|-----|
| - Each feature | ICB |
| - Package of 3 features | ICB |
| - Package of 6 features | ICB |
| - Package of 9 features | ICB |

CLASS Features:

(per line, per month)

- | | |
|-------------------------|-----|
| - Each feature | ICB |
| - Package of 3 features | ICB |
| - Package of 6 features | ICB |
| - Package of 9 features | ICB |

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.7. Shared Tenant Service, Continued

c. Message Rate Shared Tenant Service, Continued

3. Message Usage Charges

Per Message

7.2.8. PBX Trunk Service

a. General

Analog and/or digital PBX trunks are provided for connection of customer-provided PBX terminal equipment. Analog trunks are delivered on a DS0 level and digital trunks are delivered at the DS1 level. All trunks are equipped with multiline hunting.

DID service allows callers to reach the called party without going through a PBX attendant. DOD service allows end users to dial outside of a PBX system without going through the PBX attendant to get access to an outside line. Digital trunks cannot be two-way trunks, but must be ordered as with either Direct Inward Dialing (DID) or Direct Outward Dialing (DOD).

For DID configured PBX trunks additional charges apply for Direct Inward Dial Station numbers.

Each Analog Trunk has the following characteristics:

Terminal Interface:	2-wire or 4-wire, as required for the provision of service
Signaling Type:	Loop, Ground, E&M I, II, III
Pulse Type:	Dual Tone Multi-Frequency (DTMF)
Directionality:	In-Coming Only (DID), Out-Going Only (DOD), or Two-Way

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.8. Digital PBX Trunk Service, Continued****b. Rates**

Nonrecurring Charges:

Digital port, each:	\$193.99
Digital transport facility, per channel:	\$837.38
Intra-central office distribution channel, each:	\$136.60
Changes or testing of alternate locations, associated with NRS or rearrangements of trunk circuits in a digital port, per occasion:	\$58.20
Monthly Charges:	
- Digital port, monthly, each:	\$321.30

7.2.8. Analog PBX Trunk Service, Continued**c. Rates**

Measured Monthly Basic Charge

Month-to-Month	\$93.75	(I)
12 Months	\$89.06	
24 Months	\$87.19	
36 Months	\$84.38	(I)

Flat Rate Basic Charge (includes PBX trunk charge and flat rate plan)¹²

Month-to-Month	\$152.49	(I)
12 Months	\$144.86	
24 Months	\$141.81	
36 Months	\$137.24	(I)

Per Block of 100 Station Numbers	\$1.06
PBX DID Trunk Port (Direct Inward Dial)* ²	\$18.75
PBX DIOD Trunk Port (Identified Outward Dialing)* ²	\$24.25

¹Not available in all exchanges

*Rates are in addition to PBX Trunk Rate

² Rates are discounted approximately 5%, 7% and 10% for 12M, 24M and 36M respectively.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2 SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.8. Digital PBX Trunk Service, Continued

7.2.8.1. Local Distribution Channels

This service is offered to Customers with discounts for minimum service commitments.

Non-recurring Charge:

56 Kbps, 4 wire, each	\$500.00
-----------------------	----------

Monthly Charges:

56 Kbps, 4 wire, OPP, month-to-month	\$54.50
--------------------------------------	---------

7.2.8.2. Interoffice Channels

Monthly Charges:

56 Kbps, fixed, OPP, month-to-month	\$34.00
56 Kbps, per mile, OPP, month-to-month	\$1.35

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES , Continued**

7.2.8. Digital PBX Trunk Service, Continued

7.2.8.3. Digital Service II Schedule A and Schedule B

Monthly Charges:

Local distribution channel, 56 Kbps, 4 wire	\$14.00
Interoffice channel, 56 Kbps, fixed	\$5.00
Interoffice channel, 56 Kbps, per mile	\$0.45

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.9. Centrex Service

1. Description**A.**

Centrex with dial 9 is available under term offerings of 1, 2 and 3 years.

Centrex with Assume Dial 9 - Centrex with Assume Dial 9 lines cannot be equipped with station-to-station dialing.

B.

Centrex may be either ground start or loop start and may have any standard treatment. Transmission quality over ground start lines is not guaranteed. Additional transmission improvements requested by the customer will be provided by the Telephone Company at charges based on cost.

C.

Standard Features provided on all lines, include the features described and listed below.

Call Forwarding Busy Line permits calls attempting to terminate to a busy line to be forwarded to a preselected telephone number. The telephone number may be outside the Centrex system where facilities permit.

Call Forwarding Don't Answer provides for the forwarding of any incoming calls to a preselected telephone number when the called line does not answer. The telephone number may be outside the Centrex system where facilities permit.

Call Forwarding allows line to have incoming calls forwarded to another line within the system or to a telephone number outside the system.

Call Hold enables a line user to place a call on hold for any length of time provided that neither party goes on-hook.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.9. Centrex Service, Continued**

C., Continued

Call Pickup Group allows a line user to answer incoming calls to another line within the Centrex system by dialing a special code. One or more call pickup groups may be established.

Call Transfer All Calls allows a line user to transfer any established call to another line inside or outside the customer group without the assistance of an attendant.

Conference Calling enables a line user to establish voice connection involving the customer and two other parties. The line user, by switchhook operation is able to place an existing call on hold and dial the telephone number of a third-party, affecting a three-way call.

Hunting permits the routing of calls to an idle line in a prearranged group when the called line is busy.

Touch Tone provides for the origination of calls by means of instruments equipped for tone-type address signaling over special central office facilities.

D.

Optional Features are available with Centrex subject to the availability of facilities and are as follows.

Automatic Callback enables a line user calling a busy line within the system to be automatically connected to the called line when the line becomes idle.

Call Waiting Terminating permits a line user to receive an audible tone to indicate an incoming call is waiting, if the called line is busy. This feature may be arranged to allow a line to receive Call Waiting treatment only on incoming DID calls.

Directed Call Pickup With Barge In permits a line user to answer a call ringing on another line in the Centrex group by dialing a code. If the called line has already been answered, the initiating line may barge in to the answered call and be connected to a three-way call.

Directed Call Pickup Without Barge In permits a line user to answer a call ringing on another line in the Centrex group by dialing a code.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.10. Centrex Service, Continued

D., Continued

Inside/Outside Ringing provides a unique pattern of ringing to permit the line user to distinguish between intragroup and DID calls.

Speed Dialing Single-Digit allows a line user to call a predesignated seven or ten-digit telephone number by dialing a valid single-digit dialing code. The customer changeable speed dialing list furnished contains either six or eight codes depending on serving facilities.

Speed Dialing Two-Digit allows a line user to call a predesignated seven or ten-digit telephone number by dialing a valid two-digit dialing code. The customer changeable speed dialing list furnished contains 30 codes.

Trunk Answer Any Line permits any line user within a group to dial a code and be connected to an incoming call to the listed directory number of the system.

2. Application of Rates and Charges**A.**

Exchange Usage charges are subject to Telephone Company initiated change.

B.

Measured Service— All local messages are provided at the appropriate local usage charges for measured business main telephone exchange service. Local usage rates apply to intrasystem calls for Centrex systems with the Assume dial 9.

Exchange Access— Included in the monthly rates for main station lines are amounts that are attributable to exchange access.

C.

Non-Recurring Charges are one time charges that are applicable for the installation of

Centrex service and for subsequent additions or changes of class of service and appear in Section 3 and Section 7.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.9. Centrex Service, Continued

2. Application of Rates and Charges, Continued**D.**

Standard Features may be activated at the time each line is installed or may be added or changed subsequently. When standard features are activated or changed by the Company at the customer's request subsequent to installation of the line, additional non-recurring charges are applicable.

E.

Optional Features— Nonrecurring charges apply on a per feature line basis.

F.

Discontinuance of Service— Service may be discontinued at any time during a term commitment period. The customer will be billed early termination charges as stated in Section 3 of this Product Guide.

G.

Expiration— At the expiration of a system's term commitment period, if service is not discontinued, a new term commitment may be elected for the system in accordance with the terms and conditions applicable to a new system, except that any one time or nonrecurring charges previously paid do not apply. Service may be continued on a month-to-month basis without a term commitment at the Month-To-Month rate.

H.

Temporary Suspension of Service— Centrex lines are not subject to the provisions of temporary suspension of service.

I.

Minimum Service Period— The minimum service period for any Centrex system provided under Term Commitment is 12 months. The minimum service period for any Centrex system provided under Month-To-Month rates is one month.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued**

7.2.9. Centrex Service, Continued

3. Recurring and Non-Recurring Rates

Service Category	Rate Element	Rate
Service Establishment	Installation – One time charge – Per line	\$50.00
Service Establishment	Subsequent additions or changes – One time charge – Per line	75.00
Centrex with Assume Dial 9	Month-to-month, Initial or Additions	\$93.75 Per Line, Per Month
Centrex with Dial 9	Month-to-month	\$93.75 Per Line, Per Month

(I)

(I)

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2. SERVICE DESCRIPTIONS AND RATES, Continued****7.2.10. Advantage Plans for Business**MetPak Advantage Plan for Business Customers¹

	<u>Monthly</u>	<u>12M</u>	<u>24M</u>	<u>36M</u>
Unlimited Local Calling	\$40.00	\$37.20	\$32.00	\$30.40
Unlimited Local and Regional Calling	\$46.50	\$43.25	\$37.20	\$35.30

¹Rates apply to Centrex lines and Business LinesMetPak Advantage Plus Plan for Business Customers²

	<u>Monthly</u>	<u>12M</u>	<u>24M</u>	<u>36M</u>
Unlimited Local Calling	\$50.00	\$47.20	\$42.00	\$40.40
Unlimited Local and Regional Calling	\$56.50	\$53.25	\$47.20	\$45.30

²Rates apply only to Business Lines

Optional Feature Package

¹Business Line subscribers may purchase the following package of features on any line equipped with MetPak Advantage: Anonymous Call Rejection, Call ID with Name, Call Waiting, Call Forwarding, Three-Way Calling Speed Dialing 8, Unlimited *69 Call Return and *66 Repeat Dial.

²Monthly Rate, Per Line subscribing to Optional Feature Package includes an additional \$10.00

7.2.11. MetPath™ ISDN BRI

Integrated Services Digital Network Basic Rate Interface (ISDN BRI) is a service that provides an integrated voice/data communications capability for the transmission of circuit switched voice and data signals. ISDN services use two 64 Kbps "B" channels to transmit any combination of Circuit Switched Voice and/or Circuit Switched Data. The "D" channel is used for signaling.

	<u>Monthly</u>
ISDN Basic Exchange Digital Line (Business)	\$33.78
ISDN Basic Exchange Circuit Switched Voice and/or Data - each	\$12.56 (I)
ISDN Basic Exchange Alternate Circuit Switched Voice/Data-each	\$12.56 (I)
	<u>Per Minute</u>
Local Circuit Switch Data Usage - per min.	\$0.0250 (I)

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2.12 Subscriber Intrastate Access Service****7.2.12.1 General Description**

The Subscriber Intrastate Access Service provides interconnected access to the local public switched telephone network so that local exchange customers can make and receive calls to and from the customers of other carriers within the state.

7.2.12.2 Limitations

(A) A telephone number is not provided with Subscriber Intrastate Access Service.

(B) Detail billing is not provided with Subscriber Intrastate Access Service.

(C) Directory listings are not included with Subscriber Intrastate Access Service.

(D) Intercept arrangements are not included with Subscriber Intrastate Access Service

7.2.12.3 Undertaking of the Company

The Company will provide Subscriber Intrastate Access Service to each Customer that subscribes to its local exchange service.

7.2.12.4 Term of Service

Subscriber Intrastate Access Service shall be coterminous with the Company's local exchange service, and the Subscriber Access Charge shall apply for each telephone line or service as defined herein for all periods in which Customer subscribes to local exchange service from the Company.

7.2.12.5 Rate Regulations

(A) If Customer is eligible to receive prorated credit for their associated local exchange service, such as for network outages or suspension or termination of service, the Subscriber Access Charge will be prorated or credited in the same manner consistent with the terms of this Product Guide and any contract. No other credits are available for Subscriber Intrastate Access Service.

(B) When Customer is provided more than one local business exchange service in a state, the Subscriber Access Charge Multi-line Business Subscriber rates are assessed for each line.

(C) The Subscriber Access Charge, as set forth in 7.12.6 following, will be billed to the end user subscriber of the associated local exchange service, including, where applicable, a reseller of the associated local exchange service, in which case the reseller shall be deemed an end user for purposes of application of such charges.

SECTION 7 - BUSINESS NETWORK SWITCHED SERVICES, Continued**7.2.12 Subscriber Intrastate Access Service continued****7.2.12.5 Rate Regulations, continued**

(D) For each local exchange service provided as remote call forwarding business service under the Local Exchange Service Product Guide or Product Guide, the Subscriber Access Charge does not apply.

7.12.6 Rates

Business Customer Service Type	ILEC AREA/OCN
	VZ BA/5112
Single Line Local Exchange Service	7.50
Multi-line Local Exchange Service	9.67 (I)
Centrex	9.67 (I)
Trunk	9.67 (I)
PRI	48.35 (I)
BRI	8.00

SECTION 7A - BUSINESS SUPPLEMENTAL SERVICES

(C)

7A.1 Local Portability Charge

7A.1.1 Rate Regulations

- (A) Telecommunications rules and regulations require all local phone companies to provide "service provider number portability," which allows customers to retain their local phone number when switching companies to provide their local phone service. The Local Portability Charge (LPC) is used by telephone companies to recover the costs associated with the development, implementation, and operability of service provider number portability.
- (B) The Company will assess the Local Portability Charge (LPC) on all local exchange services. The LPC applies to all local exchange service lines provided by the Company. See table in paragraph 7A.6 following for rates.

7A.2 Carrier Access Recovery Charge

7A.2.1 Rate Regulations,

- (A) Customers assessed a Subscriber Intrastate Access Charge as specified in paragraph 7.12.6 preceding will be assessed a flat-rated, monthly Carrier Access Recovery Charge (CARC). CARCs will be billed to the associated end user or reseller of the local exchange services. See table in paragraph 7A.6 following for rates.

(C)

7A.3 Regulatory Recovery Fee-State

7A.3.1 Rate Regulations

- (A) Regulatory Recovery Fee-State (RRF-S) is a charge assessed to recover the costs of state and local regulatory activities, including costs associated with compliance filings, payments to industry organizations for required services, legal expenses and employee salaries related to those Company regulatory activities. See table in paragraph 7A.6 following for rates.

7A.4 End User Port Charges

7A.4.1 Rate Regulations,

Certain local exchange services provided under the general and/or local exchange service tariffs are subject to End User Port Charges. These services include:

- Integrated Services Digital Network (ISDN) – Basic Rate
- Integrated Services Digital Network (ISDN) – Primary Rate
- PBX Trunks

See table in paragraph 7A.6 following for rates.

SECTION 7A - BUSINESS SUPPLEMENTAL SERVICES**7A.5 Local Telecom Surcharge**

7A.5.1. Rate Regulations,

- (A) Telecommunications rules and regulations allow Incumbent Local Exchange Carriers to increase rates to wholesale providers in the form of a surcharge per line. As a result of these rate increases, the Company will assess the Local Telecom Surcharge on all local exchange service lines provided by the Company. See table in paragraph 7A.6 following for rates.

7A.6 Rate Table BusinessMonthly Per Line or Per Trunk*

Services	(D)				Business			
	(D)	(D)	(D)	Local Portability Charge (N)	Local Telecom Surcharge	Carrier Access Recovery Charge	Regulatory Recovery Fee-State	End User Port Charge
Single Line Local Exchange Svc.	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	-
Multi-line Local Exchange Svc.	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	-
(D)	(D)	(D)	(D)	(D)				
ISDN BRI	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	\$1.90
ISDN PRI (rates per svc.)	(D)	(D)	(D)	\$89.55 (N)	-	\$22.50	\$24.95 (I)	\$46.01
Foreign Exchange-Single Line	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	-
Foreign Exchange-Multi-Line	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	-
Remote Call Forward	(D)	(D)	(D)	\$1.99 (N)	\$5.00	-	\$4.99 (I)	-
Centrex	(D)	(D)	(D)	\$1.99 (N)	\$5.00	\$4.50	\$4.99 (I)	-
Trunks	(D)	(D)	(D)	\$17.91	\$5.00	\$4.50	\$4.99 (I)	\$1.21
T-1/Digital PBX (rates per svc.)	(D)	(D)	(D)	\$89.55 (N)	-	\$22.50	\$24.95 (I)	\$29.04

*Unless otherwise noted

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SECTION 8 - SPECIAL SERVICES AND PROGRAMS, Continued

8.2. RESERVED FOR FUTURE USE

(C)

(D)

(D)

8.3. SPECIAL EQUIPMENT FOR THE HEARING OR SPEECH IMPAIRED

- 8.3.1. Company will provide, upon request, specialized telecommunications equipment for a customer certified as hearing or speech impaired.
- 8.3.2. A customer can be certified as hearing or speech impaired by a licensed physician, otolaryngologist, speech-language pathologist, audiologist or an authorized representative of a social agency that conducts programs for persons with hearing or speech impairments in cooperation with an official agency of the Commonwealth of Massachusetts.
- 8.3.3. Company will make every reasonable effort to locate and obtain equipment for a certified customer.
- 8.3.4. The customer may purchase equipment at a price not to exceed the actual purchase price (including any applicable shipping costs) Company pays.
- 8.3.5. Company will also advise the customer who requests this equipment of the applicable terms for purchase.

SECTION 8 - SPECIAL SERVICES AND PROGRAMS, Continued**8.4. DISCOUNTED SERVICE FOR THE HEARING OR SPEECH IMPAIRED**

8.4.1. General

A handicapped person who has been certified to Company as having a hearing or speech impairment which requires that he or she communicate over telephone facilities by means other than voice, and who either use non-voice equipment or make calls through an interpreter, will receive, upon application Company, a 50% discount on local message rate service.

8.4.2. Certification

Acceptable certifications are:

- a. Those made by a licensed physician, otolaryngologist, speech-language pathologist or audiologist or an authorized representative of a social agency that conducts programs for persons with hearing or speech impairment in cooperation with an official agency of the Commonwealth of Massachusetts, or
- b. A pre-existing certification establishing the impairment of hearing or speech such as those which qualify the handicapped person for social security benefits on the basis of total hearing impairment or for the use of facilities of an agency for a person with hearing or speech impairment.

8.4.3. Qualification

A customer qualifying for the discount is one whose impairment is such that competent authority would certify him or her as being unable to use a telephone for voice communication. See Section 11, "Handicapped Person," for a listing of the necessary qualifications.

8.4.4. Billing

The reduction in charges is applied only at one location, designated by the impaired person.

SECTION 8 - SPECIAL SERVICES AND PROGRAMS, Continued**8.5. UNIVERSAL EMERGENCY TELEPHONE NUMBER SERVICE**

Universal Emergency Telephone Number Service (911 Service) is an arrangement of Company central office and trunking facilities whereby any telephone user who dials the number 911 will reach the emergency report center for the telephone from which the number is dialed or will be routed to an operator if all lines to an emergency report center are busy. If no emergency report center customer exists for a central office entity, a telephone user who dials the number 911 will be routed to an operator. The telephone user who dials the 911 number will not be charged for the call.

8.6. TELEPHONE RELAY SERVICE**8.6.1. General**

Company will provide access to a telephone relay center for Telephone Relay Service. The service permits telephone communications between hearing and/or speech impaired individuals who must use a Telecommunications Device for the Deaf (TDD) or a Teletypewriter (TTY) and individuals with normal hearing and speech. The Relay Service can be reached by dialing an 800 number. Specific 800 numbers have been designated for both impaired and non-impaired customers to use.

8.6.2. Regulations

- a. Only intrastate calls can be completed using the Telephone Relay Service under the terms and conditions of this Product Guide.
- b. Charges for calls placed through the Relay Service will be billed as if direct distance dialed (DDD) from the point of origination to the point of termination. The actual routing of the call does not affect billing.
- c. Calls through the Relay Service may be billed to a third number only if that number is within Massachusetts. Calls may also be billed to calling cards issued by Company or other carriers who may choose to participate in this service.
- d. The following calls may not be placed through the Relay Service:
 1. calls to informational recordings and group bridging service;
 2. calls to time or weather recorded messages;
 3. station sent paid calls from coin telephones; and
 4. operator-handled conference service and other teleconference calls.

SECTION 8 - SPECIAL SERVICES AND PROGRAMS, Continued**8.6. TELEPHONE RELAY SERVICE, Continued**

8.6.3. Liability

Company contracts with an outside provider for the provision of this service. The outside provider has complete control over the provision of the service except for the facilities provided directly Company. In addition to other provisions of this Product Guide dealing with liability, in the absence of gross negligence or willful misconduct on the part of Company, Company shall not be liable for and the customer, by using the service, agrees to release, defend and hold harmless for all damages, whether direct, incidental or consequential, whether suffered, made, instituted or asserted by the customer or by any other person, for any loss or destruction of any property, whatsoever whether covered by the customer or others, or for any personal injury to or death of, any person. Notwithstanding any provision to the contrary, in no event shall Company be liable for any special, incidental, consequential, exemplary or punitive damages of any nature whatsoever.

8.7. SPECIAL CREDIT CARD FOR BLIND AND DISABLED PERSONS

8.7.1. General

Persons who are blind or whose disability causes difficult with hand and finger coordination and use of a telephone qualify for a Special Credit Card. The card may be used from any telephone Company's territory to place calls within and outside Massachusetts at a special rate or to place calls from a telephone outside of Company's territory, but within Massachusetts at rates applicable to the territory from which the call is made.

8.7.2. Rates

Within Company's Territory:

Station to station toll calls placed with operator assistance will be billed at the lower rate normally applicable to calls placed without operator assistance. Local calls cannot be charged to the card. Person-to-person calls charged to the card with be billed at the higher operator handled rate.

Outside Company's Territory, but within Massachusetts:

All rates, charges, billing and restriction in effect in the territory from which the call is made will apply.

SECTION 8 - SPECIAL SERVICES AND PROGRAMS, Continued**8.7. SPECIAL CREDIT CARD FOR BLIND AND DISABLED PERSONS, Continued**

8.7.3. Qualification

The follow criteria will be used to determine eligibility for the Special Credit Card:

- a. "Legally Blind" - those whose visual acuity is 20/200 or less in the better eye with correcting glasses or whose widest diameter of visual field subtends an angular distance no greater than 20 degrees.
- b. "Physically Handicapped" - those who are certified by competent authority as unable to read or use ordinary printed materials as result of physical limitations.
- c. Persons whose disabling condition causes difficulty with hand and finger coordination and utilization of a coin or noncoin telephone. Acceptable certifications are those made by a licensed physician, ophthalmologist or optometrist.

8.7.4. Billing Authorization

Responsibility for payment of charges may be handled in one of two ways:

- a. The handicapped person (the applicant) may accept responsibility for payment of his or her own bill. In this case, the applicant must be 18 years of age or older and must reside within Company's service territory, but he or she does not need to have other service from Company.
- b. Another party may agree to accept responsibility for payment of charges incurred through use of the Special Credit Card by the applicant. When this option is chosen, the person accepting this responsibility must be 18 years of age or older, but does not need to reside within Company's service territory.

In either case, the applicant is the only authorized user of the Special Credit Card. If the person accepting payment responsibility has service within Company's service territory, charges will be billed on a regular monthly bill; otherwise a separate bill will be sent.

SECTION 9 - SPECIAL CONSTRUCTION

9.1. SPECIAL CONSTRUCTION

9.1.1. Basis for Charges

Basis for Charges where the Company furnishes a facility or service for which a rate or charge is not specified in the Company's Product Guides, charges will be based on the costs incurred by the Company (including return) and may include:

- a. nonrecurring charges;
- b. recurring charges;
- c. termination liabilities; or
- d. combinations of (a), (b), and (c).

9.1.2. Basis for Cost Computation

The costs referred to in 9.1.1 preceding may include one or more of the following items to the extent they are applicable:

- a. Costs to install the facilities to be provided including estimated costs for the rearrangements of existing facilities. These costs include:
 1. equipment and materials provided or used;
 2. engineering, labor, and supervision;
 3. transportation; and
 4. rights of way and/or any required easements.
- b. Cost of maintenance.
- c. Depreciation on the estimated cost installed of any facilities provided, based on the anticipated useful service life of the facilities with an appropriate allowance for the estimated net salvage.
- d. Administration, taxes, and uncollectible revenue on the basis of reasonable average cost for these items.
- e. License preparation, processing, and related fees.
- f. Product Guide preparation, processing and related fees.
- g. Any other identifiable costs related to the facilities provided; or
- h. An amount for return and contingencies.

SECTION 9 - SPECIAL CONSTRUCTION, Continued**9.1. SPECIAL CONSTRUCTION, Continued****9.1.3. Termination Liability**

To the extent that there is no other requirement for use by the Company, a termination liability may apply for facilities specially constructed at the request of a customer.

- a. The period on which the termination liability is based is the estimated service life of the facilities provided.
- b. The amount of the maximum termination liability is equal to the estimated amounts (including return) for:
 1. Costs to install the facilities to be provided including estimated costs for the rearrangements of existing facilities. These costs include:
 - a) equipment and materials provided or used;
 - b) engineering, labor, and supervision;
 - c) transportation; and
 - d) rights of way and/or any required easements;
 2. license preparation, processing, and related fees;
 3. Product Guide preparation, processing and related fees;
 4. cost of removal and restoration, where appropriate; and
 5. any other identifiable costs related to the specially constructed or rearranged facilities.
- c. The termination liability method for calculating the unpaid balance of a term obligation is obtained by multiplying the sum of the amounts determined as set forth in paragraph b. preceding by a factor related to the unexpired period of liability and the discount rate for return and contingencies. The amount determined in paragraph b. preceding shall be adjusted to reflect the redetermined estimated net salvage, including any reuse of the facilities provided. This amount shall be adjusted to reflect applicable taxes.

SECTION 9 - SPECIAL CONSTRUCTION, Continued**9.2. NON-ROUTINE INSTALLATION AND/OR MAINTENANCE**

At the customer's request, installation and/or maintenance may be performed outside the Company's regular business hours, or (in the Company's sole discretion and subject to any conditions it may impose) in hazardous locations. In such cases, charges based on the cost of labor, material, and other costs incurred by or charged to the Company will apply. If installation is started during regular business hours but, at the Customer's request, extends beyond regular business hours into time periods including, but not limited to, weekends, holidays, and/or night hours, additional charges may apply.

9.3. INDIVIDUAL CASE BASIS (ICB) ARRANGEMENTS

Rates for ICB arrangements will be developed on a case-by-case basis in response to a bona-fide request from a customer or prospective customer for service, which vary from Product Guide arrangements. Rates quoted in response to such requests may be different for Product Guide service than those specified for such service in the Rate Attachment. ICB rates will be offered to customers in writing and will be made available to similarly situated customers.

SECTION 10 - LOCAL CALLING AREA

The rates and charges for services explained herein are contained in Sections 6 and 7.

10.1. METROPOLITAN BOSTON EXCHANGES

10.1.1. The local area of each exchange or locality includes all the central offices and localities of the exchange. The local calling areas consists of contiguous exchanges within the Local Access and Transport Area (LATA), and certain additional exchanges and localities. Refer to Exhibit A, below.

10.1.1.1. Unlimited Service — Provides for unlimited calling within the Zone 1 local calling area which includes the home exchange and any exchanges (shown in all CAPITAL LETTERS) within Zone 1. Calls to other Zone 1 exchanges and calls to any Zone 2 exchanges are timed and charged per message and per minute rates.

10.1.1.2. Measured Service — For calls within the home exchange and from the home exchange to all Zone 1 and/or Zone 2 exchanges are timed and charged per message and per minute rates.

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Arlington	Zone 1 BELMONT, Boston Central, Brighton, Brookline, Burlington, CAMBRIDGE, Charlestown, Chelsea, East Boston, Everett, Jamaica Plain, LEXINGTON, Lincoln, Malden, MEDFORD, Melrose, Newton, Reading, Revere, Roxbury, Saugus, SOMERVILLE, South Boston, Stoneham, Wakefield, Waltham, Watertown, WINCHESTER, Woburn
	Zone 2 Braintree, Dedham, Dorchester, Hyde Park, Lynn, Milton, Needham, Norwood, Quincy, Reading, Revere, Wakefield, Winthrop
Belmont	Zone 1 ARLINGTON, Boston Central, Brighton, Brookline, Burlington, CAMBRIDGE, Charlestown, Chelsea, East Boston, Everett, Jamaica Plain, LEXINGTON, Lincoln, Malden, Medford, Melrose, Newton, Roxbury, Somerville, South Boston, Stoneham, WALTHAM, WATERTOWN, Wellesley, Winchester, Woburn
	Zone 2 Braintree, Dedham, Dorchester, Hyde Park, Lynn, Milton, Needham, Norwood, Quincy, Reading, Revere, Wakefield, Winthrop
Braintree	Zone 1 Dorchester, Hingham, Hull, Hyde Park, MILTON, QUINCY, RANDOLPH, WEYMOUTH
	Zone 2 Arlington, Belmont, Boston Central, Brighton, Brookline, Cambridge, Canton, Charlestown, Chelsea, Cohasset, Dedham, East Boston, Everett, Jamaica Plain, Malden, Medford, Needham, Newton, Norwood, Revere, Roxbury, Somerville, South Boston, Watertown, Wellesley, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Brighton	Zone 1 Arlington, Belmont, BOSTON CENTRAL, BROOKLINE, CAMBRIDGE, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Lexington, Malden, Medford, Milton, Needham, NEWTON, Roxbury, Somerville, South Boston, Waltham, WATERTOWN, Wellesley, Winchester
	Zone 2 Braintree, Burlington, Canton, Hingham, Hull, Lincoln, Lynn, Melrose, Norwood, Quincy, Randolph, Reading, Revere, Stoneham, Wakefield, Weymouth, Winthrop, Woburn
Brookline	Zone 1 Arlington, Belmont, BOSTON CENTRAL, BRIGHTON, CAMBRIDGE, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, JAMAICA PLAIN, Malden, Medford, Milton, Needham, NEWTON, Quincy, Revere, ROXBURY, Somerville, South Boston, Waltham, Watertown, Wellesley, Winthrop
	Zone 2 Braintree, Burlington, Canton, Hingham, Hull, Lexington, Lincoln, Lynn, Melrose, Norwood, Randolph, Reading, Stoneham, Wakefield, Weymouth, Winchester, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Cambridge	Zone 1 ARLINGTON, BELMONT, BOSTON CENTRAL, BRIGHTON, BROOKLINE, CHARLESTOWN, Chelsea, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Malden, Medford, Melrose, Milton, Newton, Revere, Roxbury, Saugus, SOMERVILLE, South Boston, Stoneham, Waltham, WATERTOWN, Winchester, Winthrop
	Zone 2 Braintree, Burlington, Canton, Dedham, Hingham, Hull, Lexington, Lincoln, Lynn, Needham, Norwood, Quincy, Randolph, Reading, Wakefield, Wellesley, Weymouth, Woburn
Canton	Zone 1 DEDHAM, HYDE PARK, MILTON, NORWOOD, RANDOLPH, SHARON, STOUGHTON
	Zone 2 Boston Central, Braintree, Brighton, Brookline, Cambridge, Charlestown, Dorchester, Hingham, Jamaica Plain, Needham, Newton, Quincy, Roxbury, South Boston, Waltham, Watertown, Wellesley, Weymouth
Boston Central	Zone 1 Arlington, Belmont, BRIGHTON, BROOKLINE, CAMBRIDGE, CHARLESTOWN, Chelsea, Dorchester, EAST BOSTON, Everett, Hyde Park, Jamaica Plain, Malden, Medford, Melrose, Milton, Newton, Quincy, Revere, ROXBURY, Saugus, Somerville, SOUTH BOSTON, Watertown, Winthrop
	Zone 2 Braintree, Burlington, Canton, Cohasset, Dedham, Hingham, Hull, Lexington, Lincoln, Lynn, Needham, Norwood, Randolph, Reading, Stoneham, Wakefield, Waltham, Wellesley, Weymouth, Winchester, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Charlestown	Zone 1 Arlington, Belmont, BOSTON CENTRAL, Brighton, Brookline, CAMBRIDGE, CHELSEA, Dorchester, EAST BOSTON, EVERETT, Jamaica Plain, Malden, Medford, Melrose, Milton, Newton, Revere, Roxbury, Saugus, SOMERVILLE, South Boston, Stoneham, Watertown, Winchester, Winthrop
	Zone 2 Braintree, Burlington, Canton, Dedham, Hingham, Hull, Hyde Park, Lexington, Lincoln, Lynn, Needham, Norwood, Quincy, Randolph, Reading, Wakefield, Waltham, Wellesley, Weymouth, Woburn
Chelsea	Zone 1 Arlington, Belmont, Boston Central, Brighton, Brookline, Cambridge, CHARLESTOWN, Dorchester, EAST BOSTON, EVERETT, Jamaica Plain, Lynn, Malden, Medford, Melrose, REVERE, Roxbury, Saugus, Somerville, South Boston, Stoneham, Watertown, Winchester, Winthrop
	Zone 2 Braintree, Burlington, Cohasset, Dedham, Hingham, Hull, Hyde Park, Lexington, Lincoln, Milton, Needham, Norwood, Quincy, Randolph, Reading, Waltham, Wellesley, Weymouth, Woburn
Cohasset	Zone 1 HINGHAM, HULL, SCITUATE, Wymouth
	Zone 2 Boston Central, Braintree, Chelsea, Dorchester, East Boston, Milton, Quincy, Randolph, Revere, Roxbury, South Boston, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Dedham	Zone 1 Brighton, Brookline, CANTON, Dorchester, HYDE PARK, JAMAICA PLAIN, Milton, NEEDHAM, Newton, NORWOOD, Roxbury, Wellesley
	Zone 2 Arlington, Belmont, Boston Central, Braintree, Cambridge, Charlestown, Chelsea, East Boston, Everett, Hingham, Hull, Lexington, Lincoln, Malden, Melrose, Quincy, Randolph, Revere, Somerville, South Boston, Waltham, Watertown, Weymouth, Winchester, Winthrop
Dorchester	Zone 1 Boston Central, Braintree, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Dedham, East Boston, Everett, Hyde Park, JAMAICA PLAIN, MILTON, Newton, QUINCY, Revere, ROXBURY, Somerville, SOUTH BOSTON, Watertown, Winthrop
	Zone 2 Arlington, Belmont, Burlington, Canton, Cohasset, Hingham, Hull, Lexington, Lincoln, Lynn, Malden, Medford, Melrose, Needham, Norwood, Randolph, Reading, Stoneham, Wakefield, Waltham, Wellesley, Weymouth, Winchester, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
East Boston	Zone 1 Arlington, Belmont, BOSTON CENTRAL, Brighton, Brookline, Cambridge, CHARLESTOWN, CHELSEA, Dorchester, Everett, Jamaica Plain, Lynn, Malden, Medford, Melrose, Milton, REVERE, Roxbury, Saugus, Somerville, South Boston, Stoneham, Watertown, Winchester, WINTHROP
	Zone 2 Braintree, Burlington, Cohasset, Dedham, Hingham, Hull, Hyde Park, Lexington, Lincoln, Needham, Newton, Norwood, Quincy, Randolph, Reading, Wakefield, Waltham, Wellesley, Weymouth, Woburn
Everett	Zone 1 Arlington, Belmont, Boston Central, Brighton, Brookline, Cambridge, CHARLESTOWN, CHELSEA, Dorchester, East Boston, Jamaica Plain, Lynn, MALDEN, MEDFORD, Melrose, REVERE, Roxbury, Saugus, SOMERVILLE, South Boston, Stoneham, Wakefield, Watertown, Winchester, Winthrop, Woburn
	Zone 2 Braintree, Burlington, Dedham, Hingham, Hull, Hyde Park, Lexington, Lincoln, Milton, Needham, Newton, Quincy, Reading, Waltham, Wellesley, Weymouth
Hingham	Zone 1 Braintree, COHASSET, HULL, NORWELL, Quincy, ROCKLAND, SCITUATE, WEYMOUTH
	Zone 2 Boston Central, Brighton, Brookline, Cambridge, Canton, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Lynn, Malden, Milton, Randolph, Revere, Roxbury, Somerville, South Boston, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Hull	Zone 1 Braintree, COHASSET, HINGHAM, Quincy, Weymouth
	Zone 2 Boston Central, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Lynn, Malden, Medford, Melrose, Milton, Randolph, Revere, Roxbury, Somerville, South Boston, Winthrop
Hyde Park	Zone 1 Boston Central, Braintree, Brighton, Brookline, Cambridge, CANTON, DEDHAM, Dorchester, JAMAICA PLAIN, MILTON, Needham, Newton, Norwood, Quincy, Randolph, Roxbury, South Boston
	Zone 2 Arlington, Belmont, Charlestown, Chelsea, East Boston, Everett, Hingham, Hull, Lexington, Lincoln, Malden, Medford, Melrose, Revere, Somerville, Stoneham, Waltham, Watertown, Wellesley, Weymouth, Winchester, Winthrop, Woburn
Jamaica Plain	Zone 1 Arlington, Belmont, BOSTON CENTRAL, Brighton, BROOKLINE, Cambridge, Charlestown, Chelsea, DEDHAM, DORCHESTER, East Boston, Everett, HYDE PARK, Medford, MILTON, NEEDHAM, NEWTON, Quincy, ROXBURY, Somerville, South Boston, Waltham, Watertown, Winthrop
	Zone 2 Braintree, Burlington, Canton, Hingham, Hull, Lexington, Lincoln, Lynn, Malden, Melrose, Norwood, Randolph, Reading, Revere, Stoneham, Wakefield, Wellesley, Weymouth, Winchester, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange of Locality	Additional Exchange, Zone and Locality Areas Included in the Local Calling Area
Lexington	Zone 1 ARLINGTON, BELMONT BILLERICA, Brighton, BURLINGTON, CONCORD LINCOLN, Medford, Newton, Somerville, Stoneham, WALTHAM, Watertown, WINCHESTER, WOBURN
	Zone 2 Boston Central, Brookline, Cambridge, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Lynn, Malden, Melrose, Milton, Needham, Reading, Revere, Roxbury, South Boston, Wakefield, Wellesley, Winthrop
Lincoln	Zone 1 Arlington, Belmont, CONCORD, LEXINGTON, Newton, WALTHAM, Watertown, WAYLAND
	Zone 2 Boston Central, Brighton, Brookline, Burlington, Cambridge, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Malden, Medford, Melrose, Needham, Reading, Revere, Roxbury, Somerville, South Boston, Stoneham, Wakefield, Wellesley, Winchester, Woburn.
Malden	Zone 1 Arlington, Belmont, Boston Central, Brighton, Brookline, Cambridge, Charlestown, Chelsea, East Boston, EVERETT, Lynn, MEDFORD, MELROSE, Reading, REVERE, Roxbury, SAUGUS, Somerville, South Boston, Stoneham, Wakefield, Watertown, Winchester, Winthrop, Woburn
	Zone 2 Braintree, Burlington, Dedham, Dorchester, Hingham, Hull, Hyde Park, Jamaica Plain, Lexington, Lincoln, Milton, Needham, Newton, Quincy, Waltham, Wellesley, Weymouth

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange of Locality	Additional Exchange, Zone and Locality Areas Included in the Local Calling Area
Medford	Zone 1 ARLINGTON, Belmont, Boston Central, Brighton, Brookline, Burlington, Cambridge, Charlestown, Chelsea, East Boston, EVERETT, Jamaica Plain, Lexington, MALDEN, MELROSE, Newton, Reading, Revere, Roxbury, Saugus, SOMERVILLE, South Boston, STONEHAM, Wakefield, Waltham, Watertown, WINCHESTER, Winthrop, Woburn
	Zone 2 Braintree, Dedham, Dorchester, Hull, Hyde Park, Lincoln, Lynn, Milton, Needham, Quincy, Wellesley
Melrose	Zone 1 Arlington, Belmont, Boston Central, Burlington, Cambridge, Charlestown, Chelsea, East Boston, Everett, Lynn, MALDEN, MEDFORD, Reading, Revere, SAUGUS, Somerville, STONEHAM, WAKEFIELD, Winchester, Winthrop, Woburn
	Zone 2 Brighton, Braintree, Dedham, Dorchester, Hull, Hyde Park, Jamaica Plain, Lexington, Lincoln, Milton, Needham, Quincy, Roxbury, South Boston, Waltham, Watertown, Wellesley
Milton	Zone 1 Boston Central, Braintree, Brighton, Brookline, Cambridge, CANTON, Charlestown, Dedham, DORCHESTER, East Boston, HYDE PARK, JAMAICA PLAIN, QUINCY, RANDOLPH, Roxbury, South Boston, Weymouth
	Zone 2 Arlington, Belmont, Chelsea, Cohasset, Everett, Hingham, Hull, Lexington, Lynn, Malden, Medford, Melrose, Needham, Newton, Norwood, Revere, Somerville, Stoneham, Waltham, Watertown, Wellesley, Winchester, Winthrop, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange of Locality	Additional Exchange, Zone and Locality Areas Included in the Local Calling Area
Needham	Zone 1 Brighton, Brookline, DEDHAM, DOVER, Hyde Park, JAMAICA PLAIN, NEWTON, Norwood, Waltham, Watertown, WELLESLEY
	Zone 2 Arlington, Belmont, Boston Central, Braintree, Burlington, Cambridge, Canton, Charlestown, Chelsea, Dorchester, East Boston, Everett, Lexington, Lincoln, Malden, Medford, Melrose, Milton, Quincy, Randolph, Revere, Roxbury, Somerville, South Boston, Stoneham, Weymouth, Winchester, Winthrop, Woburn
Newton	Zone 1 Arlington, Belmont, Boston Central, BRIGHTON, BROOKLINE, Cambridge, Charlestown, Dedham, Dorchester, Hyde Park, JAMAICA PLAIN, Lexington, Lincoln, Medford, NEEDHAM, Roxbury, Somerville, South Boston, WALTHAM, WATERTOWN, WELLESLEY, Winchester
	Zone 2 Braintree, Burlington, Canton, Chelsea, East Boston, Everett, Lynn, Malden, Melrose, Milton, Norwood, Quincy, Randolph, Reading, Revere, Stoneham, Wakefield, Winthrop, Woburn
Norwood	Zone 1 CANTON, DEDHAM, DOVER, Hyde Park, Needham, SHARON, WALPOLE
	Zone 2 Arlington, Belmont, Boston Central, Braintree, Brighton, Brookline, Cambridge, Charlestown, Dorchester, East Boston, Jamaica Plain, Milton, Newton, Quincy, Randolph, Roxbury, Somerville, South Boston, Waltham, Watertown, Wellesley, Weymouth,

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange of Locality	Additional Exchange, Zone and Locality Areas Included in the Local Calling Area
Quincy	Zone 1 Boston Central, BRAINTREE, Brookline, DORCHESTER, Hingham, Hull, Hyde Park, Jamaica Plain, MILTON, Randolph, Roxbury, South Boston, WEYMOUTH
	Zone 2 Arlington, Belmont, Brighton, Cambridge, Canton, Charlestown, Chelsea, Cohasset, Dedham, East Boston, Everett, Lynn, Malden, Medford, Melrose, Needham, Newton, Norwood, Revere, Somerville, Stoneham, Waltham, Watertown, Wellesley, Winchester, Winthrop
Randolph	Zone 1 BRAINTREE, BROCKTON, CANTON, Hyde Park, MILTON, Quincy, ROCKLAND, STOUGHTON, WEYMOUTH
	Zone 2 Brighton, Boston Central, Brookline, Cambridge, Charlestown, Chelsea, Cohasset, Dedham, Dorchester, East Boston, Hingham, Hull, Jamaica Plain, Needham, Newton, Norwood, Roxbury, Somerville, South Boston, Watertown, Wellesley, Winthrop
Reading	Zone 1 Arlington, Burlington, LYNNFIELD, Malden, Medford, Melrose, NORTH READING, Saugus, STONEHAM, WAKEFIELD, WILMINGTON, Winchester, WOBURN
	Zone 2 Belmont, Boston Central, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Dorchester, East Boston, Everett, Jamaica Plain, Lexington, Lincoln, Lynn, Newton, Revere, Roxbury, Somerville, South Boston, Waltham, Watertown, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Revere	Zone 1 Arlington, Boston Central, Brookline, Cambridge, Charlestown, CHELSEA, Dorchester, EAST BOSTON, EVERETT, LYNN, MALDEN, Medford, Melrose, Roxbury, SAUGUS, Somerville, South Boston, Stoneham, Wakefield, Winchester, WINTHROP
	Zone 2 Belmont, Braintree, Brighton, Burlington, Cohasset, Dedham, Hingham, Hull, Hyde Park, Jamaica Plain, Lexington, Lincoln, Milton, Needham, Newton, Quincy, Reading, Waltham, Watertown, Wellesley, Weymouth, Woburn
Roxbury	Zone 1 Arlington, Belmont, BOSTON CENTRAL, Brighton, BROOKLINE, Cambridge, Charlestown, Chelsea, Dedham, DORCHESTER, East Boston, Everett, Hyde Park, JAMAICA PLAIN, Malden, Medford, Milton, Newton, Quincy, Revere, Somerville, SOUTH BOSTON, Watertown, Winthrop
	Zone 2 Braintree, Burlington, Canton, Cohasset, Hingham, Hull, Lexington, Lincoln, Lynn, Melrose, Needham, Norwood, Randolph, Reading, Stoneham, Wakefield, Waltham, Wellesley, Weymouth, Winchester, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Somerville	Zone 1 ARLINGTON, Belmont, Boston Central, Brighton, Brookline, CAMBRIDGE, CHARLESTOWN, Chelsea, Dorchester, East Boston, EVERETT, Jamaica Plain, Lexington, Malden, MEDFORD, Melrose, Newton, Revere, Roxbury, Saugus, South Boston, Stoneham, Waltham, Watertown, Winchester, Winthrop, Woburn
	Zone 2 Braintree, Burlington, Dedham, Hingham, Hull, Hyde Park, Lincoln, Lynn, Milton, Needham, Norwood, Quincy, Randolph, Reading, Wakefield, Wellesley, Weymouth
South Boston	Zone 1 Arlington, Belmont, BOSTON CENTRAL, Brighton, Brookline, Cambridge, Charlestown, Chelsea, DORCHESTER, East Boston, Everett, Hyde Park, Jamaica Plain, Malden, Medford, Milton, Newton, Quincy, Revere, ROXBURY, Somerville, Watertown, Winthrop
	Zone 2 Braintree, Burlington, Canton, Cohasset, Dedham, Hingham, Hull, Lexington, Lincoln, Lynn, Melrose, Needham, Norwood, Randolph, Reading, Stoneham, Wakefield, Waltham, Wellesley, Weymouth, Winchester, Woburn
Stoneham	Zone 1 Arlington, Belmont, Burlington, Cambridge, Charlestown, Chelsea, East Boston, Everett, Lexington, Lynn, Malden, MEDFORD, MELROSE, READING, Revere, Saugus, Somerville, WAKEFIELD, WINCHESTER, WOBURN
	Zone 2 Boston Central, Brighton, Brookline, Dorchester, Hyde Park, Jamaica Plain, Lincoln, Milton, Needham, Newton, Quincy, Roxbury, South Boston, Waltham, Watertown, Wellesley, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Wakefield	Zone 1 Arlington, Burlington, Chelsea, Everett, LYNN, LYNNFIELD, Malden, Medford, MELROSE, READING, Revere, SAUGUS, STONEHAM, Winchester, Woburn
	Zone 2 Belmont, Boston Central, Brighton, Brookline, Cambridge, Charlestown, Dorchester, East Boston, Jamaica Plain, Lexington, Lincoln, Newton, Roxbury, Somerville, South Boston, Waltham, Watertown, Winthrop
Waltham	Zone 1 Arlington, BELMONT, Brighton, Brookline, Cambridge, Jamaica Plain, LEXINGTON, LINCOLN, Medford, NATICK, Needham, NEWTON, Somerville, WATERTOWN, WAYLAND, WELLESLEY, Winchester
	Zone 2 Boston Central, Burlington, Canton, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Malden, Melrose, Milton, Norwood, Quincy, Reading, Revere, Roxbury, South Boston, Stoneham, Wakefield, Winthrop, Woburn
Watertown	Zone 1 Arlington, BELMONT, Boston Central, BRIGHTON, Brookline, CAMBRIDGE, Charlestown, Chelsea, Dorchester, East Boston, Everett, Jamaica Plain, Lexington, Lincoln, Malden, Medford, Needham, NEWTON, Roxbury, Somerville, South Boston, WALTHAM, Wellesley, Winchester
	Zone 2 Braintree, Burlington, Canton, Dedham, Hyde Park, Lynn, Melrose, Milton, Norwood, Quincy, Randolph, Reading, Revere, Stoneham, Wakefield, Winthrop, Woburn

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Wellesley	Zone 1 Belmont, Brighton, Brookline, Dedham, DOVER, NATICK, NEEDHAM, NEWTON, WALTHAM, Watertown
	Zone 2 Arlington, Boston Central, Braintree, Burlington, Cambridge, Canton, Charlestown, Chelsea, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Lexington, Lincoln, Malden, Medford, Melrose, Milton, Norwood, Quincy, Randolph, Revere, Roxbury, Somerville, South Boston, Stoneham, Winchester, Winthrop, Woburn
Weymouth	Zone 1 BRAintree, Cohasset, HINGHAM, Hull, Milton, QUINCY, RANDOLPH, ROCKLAND
	Zone 2 Boston Central, Brighton, Brookline, Cambridge, Canton, Charlestown, Chelsea, Dedham, Dorchester, East Boston, Everett, Hyde Park, Jamaica Plain, Malden, Needham, Norwood, Revere, Roxbury, Somerville, South Boston, Winthrop
Winchester	Zone 1 ARLINGTON, Belmont, Brighton, Burlington, Cambridge, Charlestown, Chelsea, East Boston, Everett, LEXINGTON, Malden, MEDFORD, Melrose, Newton, Reading, Revere, Saugus, Somerville, STONEHAM, Wakefield, Waltham, Watertown, WOBURN
	Zone 2 Boston Central, Brookline, Dedham, Dorchester, Hyde Park, Jamaica Plain, Lincoln, Lynn, Milton, Needham, Quincy, Roxbury, South Boston, Wellesley, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.1. METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT A, Continued**

Home Exchange or Locality	Additional Exchange, Zone and Locality Areas Included in the Locality Local Calling Area
Winthrop	Zone 1 Boston Central, Brookline, Cambridge, Charlestown, Chelsea, Dorchester, EAST BOSTON, Everett, Jamaica Plain, Lynn, Malden, Medford, Melrose, REVERE, Roxbury, Saugus, Somerville, South Boston
	Zone 2 Arlington, Belmont, Braintree, Brighton, Burlington, Cohasset, Dedham, Hingham, Hull, Hyde Park, Lexington, Milton, Needham, Newton, Quincy, Randolph, Reading, Stoneham, Wakefield, Waltham, Watertown, Wellesley, Weymouth, Winchester, Woburn
Woburn	Zone 1 Arlington, Belmont, BURLINGTON, Everett, LEXINGTON, Malden, Medford, Melrose, READING, Saugus, Somerville, STONEHAM, Wakefield, WILMINGTON, WINCHESTER
	Zone 2 Boston Central, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Dorchester, East Boston, Hyde Park, Jamaica Plain, Lincoln, Lynn, Milton, Needham, Newton, Revere, Roxbury, South Boston, Waltham, Watertown, Wellesley, Winthrop

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES**

10.2.1. 617/508 LATA — The local calling area of each exchange or locality includes all the central offices and localities of the exchange. In addition, the local calling area consists of contiguous exchanges within the LATA and certain additional exchanges and localities. Exchanges enclosed within [] indicates exchange in different LATA (refer to Exhibit B). For all exchanges in this section except for Burlington, Lynn, and Saugus, the following apply.

10.2.1.1. Unlimited Service — Provides for unlimited local calling within the entire local calling area for the exchange.

10.2.1.2. Measured Service — Provides for calls within the local calling area that are timed and charged the appropriate usage rates for Zone 1.

10.2.2. 413 LATA — The local calling area of each exchange or locality includes all the central offices and localities of the exchange. Exchanges enclosed within [] indicates exchange in different LATA (refer to Exhibit C).

10.2.2.1. Unlimited Service — Provides for unlimited local calling within the entire local calling area for the exchange.

10.2.2.2. Measured Service — Provides for calls within the local calling area that are timed and charged the appropriate usage rates.

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Acton	Concord, Harvard, Littleton, Maynard, Westford
Amesbury	Merrimac, Newburyport, [South Hampton, NH Locality], West Newbury
Andover	Lawrence, Lowell, North Reading, Wilmington
Ashburnham	Ashby, Fitchburg, Gardner, Westminster, Winchendon
Ashby	Ashburnham, Fitchburg, Townsend
Assonet	Fall River, Rochester, Taunton
Athol (New Salem, Orange and Warwick Only)	[Amherst] (Leverett, Shutesbury and Sunderland only), [Ashfield], [Bernardston], [Charlemont], [Colrain], [Conway], [Greenfield], [Millers Falls], [Monroe Bridge Locality],[Montague], [Northfield], Orange, Petersham, [ShelburneFalls], [South Deerfield], Templeton, [Turners Falls],Winchendon
Athol (other)	Orange, Petersham, Templeton, Winchendon
Attleboro	Mansfield, North Attleboro, Norton, Rehoboth Zone, Southgate Locality
Auburn	Boylston, Grafton, Holden, Leicester, Millbury, Oxford, Oakham, Rutland, Shrewsbury, Spencer, West Boylston, Worcester
Ayer	Bolton, Clinton, Groton, Harvard, Leominster, Littleton, Shirley
Barnstable	Dennis, Hyannis, Osterville, Sagamore
Barre	[Gilbertville], Hubbardston, North Brookfield, Oakham, Petersham, Rutland, Templeton
Bellingham	Blackstone Locality, Franklin, Medway, Milford
Berlin	Bolton, Boylston, Clinton, Hudson, Marlboro, Northboro
Beverly	Danvers, Hamilton, Manchester, Peabody, Salem

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Billerica	Burlington, Concord, Lexington, Lowell, Wilmington
Blackstone Locality	Bellingham, [Cumberland Hill, RI], Franklin, Milford, Uxbridge, [Woonsocket, RI], Wrentham
Bolton	Ayer, Berlin, Clinton, Harvard, Hudson, Maynard
Boylston	Auburn, Berlin, Clinton, Grafton, Holden, Leicester, Millbury, Northboro, Oakham, Rutland, Spencer, Shrewsbury, Sterling, West Boylston, Worcester
Brewster	Dennis, Harwich, Orleans
Bridgewater	Brockton, Bryantville, East Bridgewater, Middleboro, Taunton
Brockton	Bridgewater, East Bridgewater, Easton, Randolph, Rockland, Stoughton, Taunton, Whitman
Bryantville	Bryantville
Burlington	Zone 1 Arlington, Belmont, BILLERICA, LEXINGTON, Medford, Melrose, Reading, Stoneham, Wakefield, WILMINGTON, Winchester, WOBURN
	Zone 2 Boston Central, Brighton, Brookline, Cambridge, Charlestown, Chelsea, Dorchester, East Boston, Everett, Jamaica Plain, Lincoln, Malden, Needham, Newton, Revere, Roxbury, Somerville, South Boston, Waltham, Watertown, Wellesley, Winthrop
Buzzards Bay	Cataumet, Plymouth, Sagamore, Wareham
Carver	Kingston, Middleboro, Plymouth, Wareham
Cataumet	Buzzards Bay, Falmouth, Osterville, Sagamore
Charlton	Leicester, North Brookfield, Oxford, Southbridge, Spencer, Sturbridge, Webster

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Chatham	Harwich, Orleans
Chilmark	Edgartown, Vineyard Haven
Clinton	Ayer, Berlin, Bolton, Boylston, Leominster, Sterling, West Boylston, Worcester
Concord	Acton, Billerica, Lexington, Lincoln, Lowell, Maynard, Sudbury, Wayland, Westford
Danvers	Beverly, Hamilton, Lawrence, Lynnfield, North Reading, Peabody, Salem, Topsfield
Dennis	Barnstable, Brewster, Harwich, Hyannis
Dighton	Fall River, Rehoboth Zone, Taunton
Dover	Dedham, Medfield, Natick, Needham, Norwood, Walpole, Wellesley
Duxbury	Kingston, Marshfield
East Bridgewater	Bridgewater, Brockton, Bryantville, Whitman
East Douglas	Millbury, Oxford, [Pascoag, RI], Uxbridge, Webster, Whitinsville
Easton	Brockton, Mansfield, Norton, Sharon, Stoughton, Taunton
Edgartown	Chilmark, Vineyard Haven
Essex	Gloucester, Hamilton, Ipswich, Manchester
Fall River	Assonet, Dighton, [Little Compton, RI], New Bedford, North Swansea Locality, Rehoboth, Rochester, [Tiverton, RI], Westport
Falmouth	Cataumet, Osterville
Fitchburg	Ashburnham, Ashby, Leominster, Lunenburg, Townsend, Westminster
Foxboro	Mansfield, North Attleboro, Sharon, Walpole, Wrentham

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Framingham	Holliston, Hopkinton, Marlboro, Natick, Sudbury, Wayland
Franklin	Bellingham, Blackstone Locality, Medfield, Medway, Millis, Walpole, Wrentham
Gardner	Ashburnham, Hubbardston, Templeton, Westminster, Winchendon
Georgetown	Haverhill, Lawrence, Newburyport, Rowley, Topsfield
Gloucester	Essex, Manchester, Rockport
Grafton	Auburn, Boylston, Holden, Leicester, Millbury, Oakham, Rutland, Shrewsbury, Spencer, Upton, West Boylston, Westboro, Whitinsville, Worcester
Groton	Ayer, Littleton, Lunenburg, Pepperell, Shirley, Townsend, Tyngsboro, Westford
Hamilton	Beverly, Danvers, Essex, Ipswich, Manchester, Topsfield
Hanover	Bryantville, Kingston, Marshfield, Norwell, Rockland, Whitman
Harvard	Acton, Ayer, Bolton, Littleton, Maynard
Harwich	Brewster, Chatham, Dennis, Orleans
Haverhill	Georgetown, [Hampstead, NH], [Kingston, NH], Lawrence, Merrimac, Newburyport, [Plaistow, NH], West Newbury
Holden	Auburn, Boylston, Grafton, Leicester, Millbury, Oakham, Princeton, Rutland, Shrewsbury, Spencer, Sterling, West Boylston, Worcester
Holliston	Framingham, Hopkinton, Medway, Milford, Millis, Natick
Hopkinton	Framingham, Holliston, Marlboro, Milford, Upton, Westboro
Hubbardston	Barre, Gardner, Princeton, Rutland, Templeton, Westminster
Hudson	Berlin, Bolton, Marlboro, Maynard, Sudbury

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Hyannis	Barnstable, Dennis, Osterville
Ipswich	Essex, Hamilton, Rowley, Topsfield
Kingston	Bryantville, Carver, Duxbury, Hanover, Marshfield, Middleboro, Plymouth
Lawrence	Andover, Danvers, Georgetown, Haverhill, Lowell, North Reading, [Salem, NH], Topsfield
Leicester	Auburn, Boylston, Charlton, Grafton, Holden, Millbury, Oakham, Oxford, Rutland, Shrewsbury, Spencer, West Boylston, Worcester
Leominster	Ayer, Clinton, Fitchburg, Lunenburg, Princeton, Shirley, Sterling, Westminster
Littleton	Acton, Ayer, Groton, Harvard, Westford
Lowell	Andover, Billerica, Concord, Lawrence, [Pelham, NH], Tyngsboro, Westford, Wilmington
Lunenburg	Fitchburg, Groton, Leominster, Shirley, Townsend
Lynn	Zone 1 Chelsea, East Boston, Everett, LYNNFIELD, Malden, MARBLEHEAD, Melrose, PEABODY, REVERE, SALEM, SAUGUS, Stoneham, WAKEFIELD, Winthrop
	Zone 2 Arlington, Belmont, Boston Central, Brighton, Brookline, Cambridge, Charlestown, Dorchester, Hingham, Hull, Jamaica Plain, Lexington, Medford, Milton, Newton, Quincy, Reading, Roxbury, Somerville, South Boston, Watertown, Winchester, Woburn
Lynnfield	Danvers, Lynn, North Reading, Peabody, Reading, Saugus, Wakefield
Manchester	Beverly, Essex, Gloucester, Hamilton

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Mansfield	Attleboro, Easton, Foxboro, North Attleboro, Norton, Sharon
Marblehead	Lynn, Salem
Marion	Mattapoissett, Rochester, Wareham
Marlboro	Berlin, Framingham, Hopkinton, Hudson, Maynard, Northboro, Sudbury, Westboro
Marshfield	Duxbury, Hanover, Kingston, Norwell, Scituate
Mattapoissett	Marion, New Bedford, Rochester
Maynard	Acton, Bolton, Concord, Harvard, Hudson, Marlboro, Sudbury
Medfield	Dover, Franklin, Millis, Natick, Walpole
Medway	Bellingham, Franklin, Holliston, Milford, Millis
Merrimac	Amesbury, Haverhill, West Newbury
Middleboro	Bridgewater, Bryantville, Carver, Kingston, Rochester, Taunton, Wareham
Milford	Bellingham, Blackstone Locality, Holliston, Hopkinton, Medway, Upton, Uxbridge, Whitinsville
Millbury	Auburn, Boylston, East Douglas, Grafton, Holden, Leicester, Oakham, Oxford, Rutland, Shrewsbury, Spencer, West Boylston, Whitinsville, Worcester
Millis	Franklin, Holliston, Medfield, Medway, Natick
Nantucket	Siasconset
Natick	Dover, Framingham, Holliston, Medfield, Millis, Waltham, Wayland, Wellesley
New Bedford	Fall River, Mattapoissett, Rochester, Westport
Newburyport	Amesbury, Georgetown, Haverhill, Rowley, [Seabrook, NH], West Newbury

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
North Attleboro	Attleboro, Foxboro, Mansfield, Southgate Locality, Wrentham
Northboro	Berlin, Boylston, Marlboro, Shrewsbury, Westboro, Worcester
North Brookfield	Barre, Charlton, [Gilbertville], Oakham, Spencer, Sturbridge, [Warren]
North Reading	Andover, Danvers, Lawrence, Lynnfield, Reading, Wilmington
North Swansea	Locality [Bristol, RI Zone], Fall River, [Providence, RI Zone], Rehoboth Zone, Seekonk Locality, Seekonk Locality, [Warren, RI Zone]
Norton	Attleboro, Easton, Mansfield, Rehoboth Zone, Taunton
Norwell	Hanover, Hingham, Marshfield, Rockland, Scituate`
Oakham	Auburn, Barre, Boylston, Grafton, Holden, Leicester, Millbury, North Brookfield, Rutland, Shrewsbury, Spencer, West Boylston, Worcester
Orange	[Amherst] (Leverett, Shutesbury and Sunderland only), [Ashfield], Athol, [Bernardston], [Charlemont], [Colrain], [Conway], [Greenfield], [Millers Falls], [Montague], [Monroe Bridge Locality], [Northfield], Petersham, [Shelburne Falls], [South Deerfield], [Turners Falls]
Orleans	Brewster, Chatham, Harwich, Wellfleet
Osterville	Barnstable, Cataumet, Falmouth, Hyannis, Sagamore
Oxford	Auburn, Charlton, East Douglas, Leicester, Millbury, Webster, Worcester
Peabody	Beverly, Danvers, Lynn, Lynnfield, Salem
Pepperell	Groton, Townsend, Tyngsboro
Petersham	Athol, Barre, Orange, Templeton
Plymouth	Buzzards Bay, Carver, Kingston, Sagamore, Wareham
Princeton	Holden, Hubbardston, Leominster, Rutland, Sterling, Westminster

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Provincetown	Wellfleet
Rehoboth (Zone of the Metropolitan Providence R.I. Exchange)	Attleboro, Dighton, Fall River, North Swansea, Norton, [Providence, RI Zone] , Seekonk Locality, Southgate Locality, Taunton
Rochester	Assonet, Fall River, Marion, Mattapoisett, Middleboro, New Bedford, Taunton, Wareham
Rockland	Brockton, Hanover, Hingham, Norwell, Randolph, Weymouth, Whitman
Rockport	Gloucester
Rowley	Georgetown, Ipswich, Newburyport, Topsfield
Rutland	Auburn, Barre, Boylston, Grafton, Holden, Hubbardston, Leicester, Millbury, Oakham, Princeton, Shrewsbury, Spencer, West Boylston, Worcester
Sagamore	Barnstable, Buzzards Bay, Cataumet, Osterville, Plymouth
Salem	Beverly, Danvers, Lynn, Marblehead
Saugus	Zone 1 Arlington, Boston Central, Cambridge, Charlestown, Chelsea, East Boston, Everett, LYNN, LYNNFIELD, MALDEN, Medford, MELROSE, Reading, REVERE, Somerville, Stoneham, WAKEFIELD, Winchester, Winthrop, Woburn
	Zone 2 None
Scituate	Cohasset, Hingham, Marshfield, Norwell
Seekonk Locality	[Bristol, RI], [Centredale, RI], [Coventry, RI], [Cumberland Hill, RI], [Greenwich, RI Zone], North Swansea Locality, [Pawtucket, RI], [Providence, RI], Rehoboth Zone, [Scituate, RI Zone], Southgate Locality, [Warren, RI], [Warwick, RI], [West Warwick, RI Zone]

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Sharon	Canton, Easton, Foxboro, Mansfield, Norwood, Stoughton, Walpole
Shirley	Ayer, Groton, Leominster, Lunenburg
Shrewsbury	Auburn, Boylston, Grafton, Holden, Leicester, Millbury, Oakham, Northboro, Rutland, Spencer, West Boylston, Westboro, Worcester
Siasconset	Nantucket
Southbridge	Charlton, Sturbridge, Webster
Southgate Locality	Attleboro, [Centredale, RI Zone], [Cumberland Hill, RI], North Attleboro, [Pawtucket, RI Zone], [Providence, RI Zone], Rehoboth Zone, Seekonk Locality
Spencer	Auburn, Boylston, Charlton, Grafton, Holden, Leicester, Millbury, North Brookfield, Oakham, Rutland, Shrewsbury, West Boylston, Worcester
Sterling	Boylston, Clinton, Holden, Leominster, Princeton, West Boylston, Worcester
Stoughton	Brockton, Canton, Easton, Randolph, Sharon
Sturbridge	[Brimfield], Charlton, North Brookfield, Southbridge, [Warren]
Sudbury	Concord, Framingham, Hudson, Marlboro, Maynard, Wayland
Taunton	Assonet, Bridgewater, Brockton, Dighton, Easton, Middleboro, Norton, Rehoboth Zone, Rochester
Templeton	Athol, Barre, Gardner, Hubbardston, Petersham, Winchendon
Topsfield	Danvers, Georgetown, Hamilton, Ipswich, Lawrence, Rowley
Townsend	Ashby, Fitchburg, Groton, Lunenburg, Pepperell
Tyngsboro	Groton, Lowell, [Nashua, NH], Pepperell, Westford
Upton	Grafton, Hopkinton, Milford, Westboro, Whitinsville

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Uxbridge	Blackstone Locality, East Douglas, Milford, [Pascoag, RI], Whitinsville
Vineyard Haven	Chilmark, Edgartown
Walpole	Dover, Foxboro, Franklin, Medfield, Norwood, Sharon, Wrentham
Wareham	Buzzards Bay, Carver, Marion, Middleboro, Plymouth, Rochester
Wayland	Concord, Framingham, Lincoln, Natick, Sudbury, Waltham
Webster	Charlton, East Douglas, [North Thompson, CT], Oxford, Southbridge
Wellfleet	Orleans, Provincetown
Westboro	Grafton, Hopkinton, Marlboro, Northboro, Shrewsbury, Upton, Worcester
West Boylston	Auburn, Boylston, Clinton, Grafton, Holden, Leicester, Millbury, Oakham, Rutland, Shrewsbury, Spencer, Sterling, Worcester
Westford	Acton, Concord, Groton, Littleton, Lowell, Tyngsboro
Westminster	Ashburnham, Fitchburg, Gardner, Hubbardston, Leominster, Princeton
West Newbury	Amesbury, Haverhill, Merrimac, Newburyport
Westport	Fall River, [Little Compton, RI], New Bedford
Whitinsville	East Douglas, Grafton, Millbury, Milford, Upton, Uxbridge
Whitman	Brockton, Bryantville, East Bridgewater, Hanover, Rockland
Wilmington	Andover, Billerica, Burlington, Lowell, North Reading, Reading, Woburn
Winchendon	Ashburnham, Athol, [Fitzwilliam, NH], Gardner, [Rindge, NH], Templeton

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT B, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas Outside Metropolitan Boston Exchanges – 617/508	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Worcester	Auburn, Boylston, Clinton, Grafton, Holden, Leicester, Millbury, Northboro, Oakham, Oxford, Rutland, Shrewsbury, Spencer, Sterling, West Boylston, Westboro
Wrentham	Blackstone Locality, Foxboro, Franklin, North Attleboro, Walpole

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C**

<u>Outside Metropolitan Boston Exchanges</u>	
<u>Calling Areas for Outside Metropolitan Boston Exchanges – 413</u>	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Adams	Charlemont, Cummington, Dalton, North Adams, Pittsfield, [Stamford, VT Locality], Williamstown
Amherst (Leverett, Shutesbury and Sunderland only)	Ashfield, [Athol] (Salem, Orange and Warwick only), Belchertown, Bernardston, Charlemont, Colrain, Conway, Greenfield, Hatfield, Holyoke, Millers Falls, Monroe Bridge Locality, Montague, Northampton, Northfield, [Orange], Shelburne Falls, South Deerfield, Turner Falls
Amherst (other)	Belchertown, Hatfield, Holyoke, Montague, Northampton, [Orange], South Deerfield
Ashfield	Amherst (Leverett, Shutesbury and Sunderland only), [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Cummington, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls, Williamsburg
Becket	Blandford, Chester, Hinsdale, Huntington, Lee, Lenox, Otis, Pittsfield, Worthington
Belchertown	Amherst, Ludlow, Palmer, Ware
Bernardston	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Charlemont, Colrain, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls
Blandford	Becket, Chester, Granville, Huntington, Otis, Russell, Sandisfield, Westfield
Brimfield	Monson, Palmer, [Sturbridge], Warren
Charlemont	Adams, Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Colrain, Conway, Cummington, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, North Adams, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas for Outside Metropolitan Boston Exchanges – 413	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Chester	Becket, Blandford, Huntington, Otis
Chesterfield	Cummington, Easthampton, Huntington, Williamsburg, Worthington
Chicopee	East Longmeadow, Granby (exchange of the Granby Telephone and Telegraph Company), Hampden, Holyoke, Longmeadow, Ludlow, Southwick, Springfield, Westfield, Wilbraham
Colrain	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls, Williamsburg
Conway	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls, Williamsburg
Cummington	Adams, Ashfield, Charlemont, Chesterfield, Dalton, Hinsdale, Williamsburg, Worthington
Dalton	Adams, Cummington, Hinsdale, Pittsfield
Easthampton	Chesterfield, Holyoke, Huntington, Northampton, Russell, Westfield, Williamsburg
East Longmeadow	Chicopee, Hampden, Holyoke, Longmeadow, Ludlow, Southwick, Springfield, Westfield, Wilbraham
Gilbertville	[Barre], [North Brookfield], Ware
Granville	Blandford, Sandisfield, Southwick, Westfield
Great Barrington	Housatonic, Lee, Otis, Sandisfield, Stockbridge, Sheffield, West Stockridge

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas for Outside Metropolitan Boston Exchanges – 413	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Greenfield	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls
Hampden	Chicopee, East Longmeadow, Holyoke, Longmeadow, Ludlow, Monson, Southwick, Springfield, Westfield, Wilbraham
Hatfield	Amherst, Northampton, South Deerfield, Williamsburg
Hinsdale	Becket, Cummington, Dalton, Pittsfield, Worthington
Holyoke	Amherst, Chicopee, Easthampton, East Longmeadow, Granby (exchange of the Granby Telephone and Telegraph Company), Hampden, Longmeadow, Ludlow, Northampton, Southwick, Springfield, Westfield, Wilbraham
Housatonic	Great Barrington, Stockbridge, West Stockbridge
Huntington	Becket, Blandford, Chester, Chesterfield, Easthampton, Russell, Worthington
Lee	Becket, Great Barrington, Lenox, Otis, Stockbridge
Lenox	Becket, Lee, Pittsfield, Stockbridge, West Stockbridge
Longmeadow	Chicopee, East Longmeadow, Hampden, Holyoke, Ludlow, Southwick, Springfield, Westfield, Wilbraham
Ludlow	Belchertown, Chicopee, East Longmeadow, Hampden, Holyoke, Longmeadow, Palmer, Southwick, Springfield, Westfield, Wilbraham
Millers Falls	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas for Outside Metropolitan Boston Exchanges – 413	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Monroe Bridge Locality	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, [Jacksonville, VT], Millers Falls, Montague, North Adams, Northfield, [Orange], [Readsboro VT], Shelburne Falls, South Deerfield, [Stamford, VT Locality], Turners Falls
Monson	Brimfield, Hampden, Palmer, Wilbraham
Montague	Amherst, Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Northfield, [Orange], Shelburne Falls, South Deerfield, Turners Falls
North Adams	Adams, Charlemont, Monroe Bridge Locality, [Pownal, VT], [Readsboro, VT], [Stamford, VT Locality], Williamstown
Northampton	Amherst, Easthampton, Hatfield, Holyoke, Williamsburg
Northfield	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, [Orange], Shelburne Falls, South Deerfield, Turners Falls, [Winchester, NH]
Otis	Becket, Blandford, Chester, Great Barrington, Lee, Sandisfield
Palmer	Belchertown, Brimfield, Ludlow, Monson, Ware, Warren, Wilbraham
Pittsfield	Adams, Becket, Dalton, Hinsdale, Lenox, Richmond (exchange of the Richmond Tel. Co.), Williamstown
Russell	Blandford, Easthampton, Huntington, Westfield
Sandisfield	Blandford, Granville, Great Barrington, Otis, Sheffield, [Winsted, CT]
Sheffield	Great Barrington, Sandisfield

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas for Outside Metropolitan Boston Exchanges – 413	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Shelburne Falls	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], South Deerfield, Turners Falls
South Deerfield	Amherst, Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Hatfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, Turners Falls, Williamsburg
Southwick	Chicopee, East Longmeadow, Granville, Hampden, Holyoke, Longmeadow, Ludlow, Springfield, Westfield, Wilbraham
Springfield	Chicopee, East Longmeadow, Hampden, Holyoke, Longmeadow, Ludlow, Southwick, Westfield, Wilbraham
Stockbridge	Great Barrington, Housatonic, Lee, Lenox, West Stockbridge
Turners Falls	Amherst (Leverett, Shutesbury and Sunderland only), Ashfield, [Athol], (New Salem, Orange and Warwick only), Bernardston, Charlemont, Colrain, Conway, Greenfield, Millers Falls, Monroe Bridge Locality, Montague, Northfield, [Orange], Shelburne Falls, South Deerfield,
Ware	Belchertown, Gilbertville, Palmer, Warren
Warren	Brimfield, [North Brookfield], Palmer, [Sturbridge], Ware
Westfield	Blandford, Chicopee, Easthampton, East Longmeadow, Granville, Hampden, Holyoke, Longmeadow, Ludlow, Russell, Southwick, Springfield, Wilbraham
West Stockbridge	Great Barrington, Housatonic, Lenox, Stockbridge
Wilbraham	Chicopee, East Longmeadow, Hampden, Holyoke, Longmeadow, Ludlow, Monson, Palmer, Southwick, Springfield, Westfield

SECTION 10 - LOCAL CALLING AREA, Continued**10.2. OUTSIDE METROPOLITAN BOSTON EXCHANGES, Continued****EXHIBIT C, Continued**

<u>Outside Metropolitan Boston Exchanges</u>	
Calling Areas for Outside Metropolitan Boston Exchanges – 413	
Home Exchange or Locality	Additional Exchange Zone and Locality Areas Included in the Local Calling Area
Williamsburg	Ashfield, Chesterfield, Conway, Cummington, Easthampton, Hatfield, Northampton, South Deerfield
Williamstown	Adams, North Adams, Pittsfield, [Pownal, VT], [Stamford, VT Locality]
Worthington	Becket, Chesterfield, Cummington, Hinsdale, Huntington

SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.3. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued**10.4. EXPANDED COMMUNITY CALLING SERVICE**

- The rates and charges for services explained herein are contained in Section 7, continued (C)
- 10.4.1. Expanded Community Calling is furnished as a supplement to business main telephone exchange service or to trunk lines in the exchange as listed in Exhibit E. (C)
- 10.4.2. Expanded Community Calling provides for an initial two hours per month of cumulative message time, to the exchanges in Exhibit E on customer dialed station-to-station calls. This applies to the following types of calls, (all other calls are charged for at the appropriate rates).
- i. Customer dialed station-to-station sent-paid calls
 - ii. Telephone Company operator dialed station-to-station sent-paid calls when facilities are not available for customer dial completion
 - iii. Operator dialed station-to-station sent-paid calls for handicapped persons unable to dial calls because of their handicap.
- 10.4.3. Message time in excess of the two hour allowance is charged for at the additional rate.
- 10.4.4. The Expanded Community Calling monthly rate for the initial two hours of calling is applicable whether or not any calls are made.
- 10.4.5. In the 617/508 and 413 LATAs, accumulation of message time is done on a per second basis. At the end of the customer's billing period, the sum of accumulated seconds is rounded to the next higher number.
- 10.4.6. Expanded Community Calling is not available on a foreign exchange service basis or for conference or other calls which normally require an operator.
- 10.4.7. When Expanded Community Calling is the only service being added the Service charges do not apply.

SECTION 10 - LOCAL CALLING AREA, Continued**10.4. EXPANDED COMMUNITY CALLING SERVICE, Continued**

- 10.4.8. The rates and charges for the associated services are in addition to the rates for Expanded Community Calling service.
- 10.4.9. If a customer has two or more main telephone exchange service lines or trunk lines equipped for Expanded Community Calling terminating at the same premises connected to the same central office in the same billing period and billed to the same number, the total usage is applies to the total hours allowed for the lines or trunks involved.

EXHIBIT E

<u>Expanded Community Calling Areas</u>	
Exchange	Exchanges and Localities Included in the Expanded Calling Area for Customer Dialed Calls
Chesterfield	Northampton
Hudson	Acton, Harvard
Lincoln	Sudbury
Sudbury	Lincoln
Wareham (Rochester residents only)	Mattapoissett, New Bedford

SECTION 10 - LOCAL CALLING AREA, Continued

10.5. RESERVED FOR FUTURE USE

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10.6. RESERVED FOR FUTURE USE

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SECTION 10 - LOCAL CALLING AREA, Continued**10.6. METROPOLITAN SERVICE, Continued****EXHIBIT F**

Metropolitan Service	
Exchange	Unlimited Calling Area Outside Metropolitan Boston
Central	Burlington, Lynn, Saugus
Arlington	Burlington, Lynn, Saugus
Belmont	Burlington, Lynn
Beverly	Danvers, Hamilton, Lynn, Manchester, Peabody, Salem, Saugus
Billerica	Burlington, Concord, Lexington, Lowell, Wilmington
Braintree	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Brighton	Burlington, Lynn
Brockton	Bridgewater, East Bridgewater, Easton, Rockland, Stoughton, Taunton, Whitman
Brookline	Burlington, Lynn
Burlington	Billerica, Wilmington
Cambridge	Burlington, Lynn, Saugus
Canton	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Charlestown	Burlington, Lynn, Saugus
Chelsea	Burlington, Lynn, Saugus
Cohasset	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington

SECTION 10 - LOCAL CALLING AREA, Continued**10.6. METROPOLITAN SERVICE, Continued****EXHIBIT F, Continued**

Metropolitan Service	
Exchange	Unlimited Calling Area Outside Metropolitan Boston
Concord	Acton, Billerica, Lowell, Maynard, Sudbury, Wayland, Westford
Danvers	Beverly, Hamilton, Lawrence, Lynn, Lynnfield, North Reading, Peabody, Salem, Saugus, Topsfield
Dedham	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Dorchester	Burlington, Lynn
Dover	Medfield, Natick, Norwood, Walpole
East Boston	Burlington, Lynn, Saugus
Everett	Burlington, Lynn, Saugus
Framingham	Holliston, Hopkinton, Marlboro, Natick, Sudbury, Wayland
Hingham	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Hull	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Hyde Park	
Jamaica Plain	Burlington, Lynn, Needham
Lexington	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington

SECTION 10 - LOCAL CALLING AREA, Continued**10.6. METROPOLITAN SERVICE, Continued****EXHIBIT F, Continued**

<u>Metropolitan Service</u>	
Exchange	Unlimited Calling Area Outside Metropolitan Boston
Lincoln	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Lynn	Lynnfield, Marblehead, Peabody, Revere, Salem, Saugus, Wakefield
Lynnfield	Danvers, Lynn, North Reading, Peabody, Reading, Saugus
Malden	Burlington, Lynn, Saugus
Marblehead	Lynn, Salem, Saugus
Medfield	Dover, Franklin, Millis, Natick, Walpole
Medford	Burlington, Lynn, Saugus
Melrose	Burlington, Lynn, Saugus
Milton	Lynn
Natick	Dover, Framingham, Holliston, Medfield, Millis, Waltham, Wayland
Needham	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Jamaica Plain, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Newton	Burlington, Lynn
North Reading	Andover, Danvers, Lawrence, Lynnfield, Wilmington
Norwell	Hanover, Marshfield, Rockland, Scituate
Norwood	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington

SECTION 10 - LOCAL CALLING AREA, Continued**10.6. METROPOLITAN SERVICE, Continued****EXHIBIT F, Continued**

Metropolitan Service	
Exchange	Unlimited Calling Area Outside Metropolitan Boston
Peabody	Beverly, Danvers, Lynn, Lynnfield, Salem, Saugus
Quincy	Lynn
Randolph	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Reading	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Revere	Burlington, Lynn, Saugus
Rockland	Brockton, Hanover, Hingham, Norwell, Randolph, Whitman
Roxbury	Burlington, Lynn
Salem	Beverly, Danvers, Lynn, Marblehead, Peabody, Saugus
Saugus	Lynn, Lynnfield
Scituate	Hingham, Marshfield, Norwell
Sharon	Easton, Foxboro, Mansfield, Norwood, Stoughton, Walpole
Somerville	Burlington, Lynn, Saugus
South Boston	Burlington, Lynn
Stoneham	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Stoughton	Brockton, Easton, Sharon
Sudbury	Concord, Framingham, Hudson, Marlboro, Maynard, Wayland

SECTION 10 - LOCAL CALLING AREA, Continued**10.6. METROPOLITAN SERVICE, Continued****EXHIBIT F, Continued**

Metropolitan Service	
Exchange	Unlimited Calling Area Outside Metropolitan Boston
Wakefield	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Walpole	Dover, Foxboro, Franklin, Medfield, Sharon, Wrentham Waltham Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Watertown	Burlington, Lynn
Wayland	Concord, Framingham, Lincoln, Natick, Sudbury
Wellesley	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Weymouth	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington
Wilmington	Andover, Billerica, Burlington, Lowell, North Reading
Winchester	Burlington, Lynn, Saugus
Winthrop	Burlington, Lynn, Saugus
Woburn	Beverly, Billerica, Brockton, Burlington, Concord, Danvers, Dover, Framingham, Lynn, Lynnfield, Marblehead, Medfield, Natick, North Reading, Norwell, Peabody, Rockland, Salem, Saugus, Scituate, Sharon, Stoughton, Sudbury, Walpole, Wayland, Wilmington

SECTION 10 - LOCAL CALLING AREA, Continued

10.7. RESERVED FOR FUTURE USE

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SECTION 10 - LOCAL CALLING AREA, Continued

10.7. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.7. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.8. RESERVED FOR FUTURE USE

(C)

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(D)

SECTION 10 - LOCAL CALLING AREA, Continued

10.8. RESERVED FOR FUTURE USE, Continued

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(D)

SECTION 10 - LOCAL CALLING AREA, Continued

10.9. RESERVED FOR FUTURE USE

(C)

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(D)

SECTION 10 - LOCAL CALLING AREA, Continued

10.9. RESERVED FOR FUTURE USE, Continued

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SECTION 10 - LOCAL CALLING AREA, Continued

10.9. RESERVED FOR FUTURE USE, Continued

(C)

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(D)

SECTION 11 – PRIVATE LINE SERVICES**11.1****Description**

Rates and charges for services explained herein are contained in Paragraph 11.20.

11.1.1**General**

A. Private line service is that of furnishing facilities for communications between specified locations.

B. Private line service is classified by Series and further classified within each Series by Types. Series and their types are described in Section 2 in terms of characteristics and use.

C. The private line services furnished are provided over routes elected by the Telephone Company. When the customer requests special channel routing or sequence of connection, the mileages are based upon the conditions involved.

D. A private line may be used for different types of transmission simultaneously in accordance with the normal transmission characteristics of such private line, subject to the following.

1. When used for remote operation of a mobile radio-telephone system, it may be used simultaneously for voice communication and to transmit more than one tone in sequence or simultaneously for control purposes.

2. When used for control, metering or signaling purposes, it may be used to transmit more than one tone in sequence or simultaneously for such purposes.

E. Additional Channels may be created from a channel provided for private line services as follows.

1. Customers, authorized users, or joint users, by use of their own equipment, and in accordance with the normal transmission characteristics of the private line, may create additional channels from channels furnished by the Company if the channels created are used for remote operation of mobile systems, or for remote metering, supervisory control, or signaling purposes.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.1.1, Cont'd.****General, Cont'd.**

2. Customers, authorized users, or joint users by use of their own equipment, and in accordance with the normal transmission characteristics of the grade of channel ordered, may create additional channels for any type of communication, except as specified in Item 1, by subdividing a channel of a Type number lower than 5500 or a Type 10001. However, such channels may not be created from a voice grade private line used for telephoto or facsimile transmission. The use of channel derivation devices to create additional channels from channels furnished by the Company is subject to the regulations regarding connection of customer premises equipment.

A. The Telephone Company makes no representation as to the suitability of the channels provided by it for subdivision into additional channels by the customer.

11.2**Regulations**

The regulations contained herein are in addition to the General Regulations contained in Section 2 of this Product Guide.

11.2.1**Minimum Periods**

A. The minimum service period for private line service is one month. However, a longer contract period may be required where unusual costs are involved to furnish service.

11.2.2**Resale**

A. Private line service may be resold or shared for end to end intrastate communications.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.2.3****Cancellation of Service**

A. Upon nonpayment of any sum due the Company or upon a violation of any of the conditions governing the furnishing of a service or channel, the Company may, by notice in writing to the customer of record without incurring any liability, discontinue the furnishing of the service or channel and terminate the contract.

B. When the customer of record cancels an application for service prior to the start of installation or construction of facilities Product Guide general regulations apply.

11.2.4**Transfer of Service**

A. The service or any rights associated therewith may not be assigned or transferred in any manner.

11.3**Use of Service****11.3.1****Lawful Use**

A. Private line service is not to be used for an unlawful purpose.

11.3.2**Alternate Use**

A. Certain private line services may be used for different types of transmission on an alternate use basis. Except as provided therein, facilities furnished under this Product Guide may be used for other communications purposes for which they are suited, subject to the following provisions.

1. The purpose for which the private line service is to be used must be made known to the Company prior to such use.

2. The frequency range, speed, and other characteristics of signals transmitted must fall within those specified for the channel furnished.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.3.2, Cont'd.****Alternate Use, Cont'd.**

3. Customer premises equipment and station wiring in connection with alternate use is provided by the customer, authorized user, joint user, sharer, or patron of resellers.

4. Connection of channel facilities to other facilities furnished by the Company may not be set up at central office switchboards, Private Branch Exchange (PBX), or other switching arrangements if the connection involves a use other than that for which the switchboards or other switching arrangements are furnished.

5. If the purpose for which the channel facilities are to be used requires a type of channel for which a higher rate applies than for the other purpose, the higher channel rate applies.

B. Subject to the provisions contained in this Product Guide, the Company will provide private line service to permit the customer to use the service for different types of transmission on an alternate use basis. Regulations applicable to a particular type of operation apply during the period the service is used for that type of operation.

C. The customer may at will switch from one type of operation to another but only one type of operation can be used at one time.

D. Alternate use is available on two point services. On services involving more than two points, alternate use is permitted where facilities permit.

E. Foreign exchange service operation is available only on two point services.

F.

1. The arrangement to switch from private line to foreign exchange service at each of the two service points for voice private line service used alternately as a channel in connection with foreign exchange requires a Type 1001 channel between the customer's premises and the rate center.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.3.2, Cont'd.****Alternate Use, Cont'd.****F. (Cont'd)**

2. The intercept arrangement to permit calls made to the foreign exchange line to be received at the customer's location in the foreign exchange only during the period that the service is in use as a voice private line service is provided in accordance with the local channels specified in this Product Guide.

3. Voice and teletypewriter, voice and remote metering, and voice and data alternate uses require a Type 2001A or 2001B channel when a PBX station line or tie line is involved. When alternate use for voice is indicated, the voice use permitted is that for which Types 2001, 2001A, or 2001B (when a PBX extension or tie line is involved) channels are furnished.

G. Alternate use arrangements for use with services utilizing Series 5000 channels having a Type number less than 5500 are furnished at charges which are the same as those specified for Series 1000, 2000 and 3000, except that the charges applicable for the type of channel furnished are the monthly charges for the comparable type of Series 5000 channel. Alternate use arrangements for use with services utilizing Series 5000 channels having a Type number greater than 5500 are as follows

1. Type 1— For use to permit base capacity equivalent to 12 or 60 voice grade channels to be alternately used with Type 5500 service terminals or as a number of channels or lesser capacity, provided that the alternate use is limited to the capacity within a two point section, or multi-point sections where the base capacity of which alternate use is desired has neither intermediate service terminals nor intermediate connections to other channels associated with the base capacity (or portion thereof) arranged for alternate use.

2. At each terminal of a section or group of sections arranged for the alternate use of base capacity equivalent to 12 voice channels or 60 voice channels.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.3.2, Cont'd.****Alternate Use, Cont'd.****G. (Cont'd)**

3. At each terminal of a section or group of sections so arranged, a service terminal or connecting arrangement for each of the two types of operation is required for each channel arranged for use within the alternately used capacity.

H. Service charges apply in addition to rates for alternate use, and to all other applicable rates and charges for the associated equipment.

I. Transfer keys are provided by the customer.

11.3.3**Joint Use**

A. If a private line service is arranged for joint use as specified herein, the joint user is permitted to use the service in the same manner as the customer.

B. Joint use arrangements are offered on interexchange private line services utilizing Series 1000, 2000 or 3000 channels and equipment except those services utilizing a Type 2006 channel, or a Type 2001 channel used alternately as a channel in connection with foreign exchange service or in connection with a Type 2001A channel utilized for bridged main telephone extension line service.

Joint use as specified herein is not offered on those services utilizing, in whole or in part, Series 5000, 6000 or 10000 channels or on private line services and channels set forth in Section 2.

C. A joint user must have a station and a local channel on the private line and the station must be located on the premises of the joint user, except that these requirements do not apply to a joint user of a private line with respect to his use of additional channels created by the customer from the private line provided a joint user has a station on a channel connected in accordance with Sections 1.7.5, 1.7.6 and Section 1.7.7 to the channel created by the customer.

D. The Company is not responsible for the manner in which the joint use of the service is allocated. Orders involving the start, rearrangement, release, or discontinuance of service will be accepted by the Company only from the customer.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.3.3, Cont'd.****Joint Use, Cont'd.**

E. When a customer requests that a service be arranged for joint use, the charges of the service are determined as provided in this Product Guide plus 10% of the interexchange channel charge with a specified minimum charge per month.

F. All charges for the service, including the charges for the joint use arrangement, and local channels, furnished for the joint users as part of the private line service, will be computed as though the service were to be billed to the customer. The customer and each joint user will be billed for the components of the service which are furnished exclusively to each of them for his individual use.

The charges for components of the service which are jointly used will be allocated for billing purposes in accordance with percentages of use specified by the customer. The specified percentages will remain in effect for a minimum of one month and the percentages on file on the first day of the customer's billing cycle will be used in computing that month's billing. Without affecting the customer's ultimate responsibility for payment of all charges for the service, each joint user is responsible for the payment of the charges billed to him in accordance with the regulation contained herein.

11.4**Responsibility of the Company****11.4.1****Liability**

A. The Company is not responsible for damages arising out of mistakes, omissions, interruptions, delays, or errors or defects in transmission, except those caused either by its failure to furnish facilities suitable for ordinary telephone service or by its failure to maintain and operate the facilities in a manner proper for telephone service.

B. The liability of the Company for damages caused either by its failure to furnish facilities suitable for ordinary telephone service or by its failure to maintain and operate the facilities in a manner proper for telephone service cannot exceed an amount equivalent to the proportionate charge to the customer for the period of service during which such mistake, omission, interruption, delay, or error or defect in transmission occurs. Loss of profits by the applicant or subscriber is not considered an element of damage for which the Company is liable.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd.**11.4.1, Cont'd.****Liability, Cont'd.**

C. The Company is not liable for any defacement of, or damage to the premises of a customer, authorized user, joint user, sharer or patron of resellers resulting from the furnishing of channel facilities, or from the attachment of the equipment and associated wiring furnished by the Company on the premises or by the installation or removal thereof, if defacement or damage is not the result of negligence of the agents or employees of the Company.

D. The Company is indemnified and saved harmless by the customer against the following claims.

- 1.** Claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over the facilities or the use thereof.
- 2.** Claims for infringement of patents arising from combining apparatus and systems of the customer with, or using them in connection with facilities furnished by the Company.
- 3.** All other claims arising out of any act or omission of the customer in connection with the facilities provided by the Company.

11.4.2**Scope**

A. Private line service may be limited in order to comply with orders issued under wartime authority of the President of the United States.

B. The Company does not undertake to transmit messages.

11.4.3**Manner of Provision**

A. Unless otherwise indicated, service is furnished 24 hours per day, seven days per week.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.4.3, Cont'd****Manner of Provision, Cont'd**

B. Private line service is provided if suitable facilities are and continue to be available. If a shortage of facilities exists at any time, either for a temporary or a protracted period, the establishment of exchange service and Message Telecommunications Services (MTS) takes precedence over all other services and uses.

C. The Company will attempt, but cannot guarantee, to secure the facilities of other companies if required to furnish a service or channel to a customer.

D. In view of the fact that the customer has exclusive control of his communications over the facilities furnished by the Company and of the other uses for which facilities may be furnished by the Company, and because of unavoidableness of errors incident to the services and to the use of the facilities of the Company, the services and facilities furnished by the Company are subject to the terms, conditions and limitations specified in Sections 1.5 and 1.6.

E. The Company provides all facilities necessary for private line service. The customer, authorized user, joint user, sharer, or patron of resellers, provides any terminal equipment or multiline terminating system for use with private line service.

F. The Company provides one suitable termination of a private line on the premises of the customer, authorized user, joint user, sharer or patron of resellers. Additional terminations must be provided by the customer.

G. The Company undertakes to maintain and repair the facilities that it furnishes.

H. The Company does not provide private line service as an extended line to an additional point in the same building or another building on the same premises or exclusively between points on the same premises of a customer, authorized user, joint user or sharer.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.4.3, Cont'd****Manner of Provision, Cont'd**

1. Service arrangements for extended lines or lines exclusively between points on the same premises, installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities. For the provision of private line services within the boundaries of Logan Airport, refer to Section 11.19.

11.5**Responsibility of the Customer****11.5.1****Liability**

A. No carrier participating in this service is liable for any act or omission of any other carrier also participating in the service.

B. The customer indemnifies and holds the Company harmless from any and all loss, claims, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted, or asserted by the customer or by any other party or persons, for any personal injury to or death of any person or persons, and for any loss, damage, or destruction of any property, whether owned by the customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location, or use of equipment provided by the customer in hazardous locations. The Telephone Company may require each customer to sign an agreement for the furnishing of facilities as a condition precedent to the furnishing of private line service.

C. The customer is responsible for damages to facilities of the Company caused by the negligence or willful act of the users.

D. The customer is responsible for reimbursing the Company for any loss through theft of Company property on the premises of the customer, authorized user, joint user, sharer or patron of resellers.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.5.2****Establishing Identity**

A. The customer is responsible for establishing his identity in the course of any communication as often as necessary, and establishing the identity of the person or persons with whom connection is made at the called station.

11.5.3**Equipment, Space and Power**

A. The customer is responsible for ensuring the provision of the power required to operate Company facilities installed on the premises of the customer, authorized user, joint user, sharer or patron of resellers.

B. The customer is responsible for the provision of space on-premises for Company equipment, where necessary.

C. The customer is responsible for the provision, installation, and maintenance of sealed conduit with explosive-proof fittings in explosive atmospheres and points outside the hazardous area where connection may be made with regular facilities of the Company.

D.

Teletype Transmission— When a private line is used for teletypewriter transmission, the teletypewriter equipment is provided by the customer, authorized user, joint user, sharer, or patron of resellers and must operate at a line signaling speed not to exceed that specified for the channel facilities furnished. It is the customer's responsibility to insure the continuing compatibility of the equipment with the private line service furnished by the Company.

E.

Data Transmission— When a private line is used for data transmission that requires terminal equipment/data sets, the data sets are provided by the customer, authorized user, joint user, sharer, or patron of resellers. It is the responsibility of the customer to insure the continuing compatibility of the data sets with the private line service furnished by the Company.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.5.4****Service Affecting Activities**

A. The customer is responsible for obtaining permission for the Company agents or employees to enter the premises of the customer, authorized user, joint user, sharer or patron of resellers at any reasonable hour for the purpose of installing, inspecting, repairing, or upon termination of the service, removing the facilities of the Company.

B. The customer is responsible for making the Company facilities available for maintenance purposes at a time agreeable to both the Company and the customer. No allowance is made for the period during which service is interrupted for this purpose.

11.6**Service Interruptions****11.6.1****General**

A. When service is interrupted due to causes other than the negligence of the customer, or the failure of facilities furnished by the customer, a credit allowance is made as specified within this subsection, for the portion of the service which is affected, provided that the interruption is brought to the attention of the Company within ten days. For the purpose of determining the amount of allowance, every month is considered to have 30 days. MTS furnished at the customer's request while service is interrupted is charged for at MTS rates.

11.6.2**Series 1000, 2000 and 3000 Channels**

A. Intraexchange Services— A credit is not provided for interruptions to service of less than 24 hours. Interruptions of 24 hours or over are credited to the customer at the proportionate monthly charge in per diem multiples for each day or fraction thereof of interruption.

B. Interexchange Services— A credit is not provided for interruptions to service of less than 30 minutes. Interruptions of 30 minutes or over are credited to the customer at the proportionate monthly contract charge in half hour multiples for each half hour or fraction thereof of interruption.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.6, Cont'd****Service Interruptions, Cont'd****11.6.3****Series 5000 Channels**

A. For items other than base capacity, credit is provided in the proportion that the period of interruption bears to the hours in a month.

B. For each of the several types of base capacity, credit is computed separately for each two point section affected where the base capacity is furnished for use as a single channel, credit is allowed as set forth in Section 2 or, where the base capacity is furnished for use as individual channels of lesser individual capacity, the following is applicable.

1. If the equivalent voice grade channels interrupted in a section are less than 50% of the total equivalent voice grade channels arranged for use in the section, a credit is not provided.

2. If the equivalent voice grade channels interrupted in a section are 50% or more of the total equivalent voice grade channels arranged for use in the section, credit is provided as set forth in Section 2.

11.6.4**Series 6000 Channels**

A. When use of facilities is interrupted for a period of 30 seconds or more, due to any cause other than the negligence of the customer or the failure of facilities provided by the customer, credit is provided in multiples of five minutes for each five minutes or fraction thereof of interruption, except that two or more interruptions occurring during any period of five consecutive minutes are considered one interruption.

B. The amount of the credit is equal to that portion of the difference between the charge (monthly or per occasion as the case may be) for the complete service and the charge which would be applicable to that portion of the service not affected by the interruption that the period of interruption to be allowed for represents of the total time upon which the charge is based (monthly or per occasion as the case may be) except that, in applying this regulation to charges for local channels and to charges for station connections in connection with Types 6004 and 6006, and to charges for bridging connections in connection with Type 6002 in any month when the maximum charges for such station or bridging connections do not apply,

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.6, Cont'd****Service Interruptions, Cont'd****11.6.4****Series 6000 Channels, Cont'd****B., Cont'd**

the total number of hours for which service is requested in the month are used in lieu of the total time upon which the charge is based.

C. When use of local channel facilities within a program exchange area not associated with interexchange channels is interrupted for a period of 30 minutes or more, credit is allowed to the customer at the proportionate monthly contract charge in half-hour multiples for each half hour or major fraction thereof of interruption. Credit is not allowed for interruptions of less than 30 minutes.

11.7**Connection to Private Line Service****11.7.1****Responsibility of the Company**

A. The responsibility of the Company is limited to the furnishing of service components suitable for private line services and to the maintenance and operation of service components in a manner proper for private line services. Subject to this responsibility the Company is not responsible for the following.

1. The through transmission of signals generated by terminal equipment or multi-line terminating systems or for the quality of or defects in transmission.
2. The reception of signals by terminal equipment or multi-line terminating systems.
3. Address signaling where the signaling is performed by tone-type signaling equipment.

B. The Company will, at the customer's request, provide information concerning interface parameters, including the number of ringers which may be connected to a particular line, needed to permit terminal equipment to operate in a manner compatible with the telecommunications network.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.1, Cont'd****Responsibility of the Company**

C. The Company may make changes in its telecommunications network, equipment, operations, or procedures, where it is not inconsistent with Part 68 of the FCC's Rules and Regulations. If the changes can be reasonably expected to render any terminal equipment or multi-line terminating system incompatible with the telecommunications network, or require modification or alteration of the terminal equipment or multi-line terminating system, or otherwise materially affect its use or performance, the customer of record, authorized user, or joint user will be given adequate notice in writing, to allow maintenance of uninterrupted service.

11.7.2**Responsibility of the Customer**

A. The customer authorized user, joint user, or sharer is responsible for the installation, operation, and maintenance of any terminal equipment or multi-line terminating system. Upon notice from the Company that terminal equipment or multi-line terminating system is causing hazard, damage, malfunction or degradation of service, the customer, authorized user, joint user, or sharer must make necessary changes as to remove or prevent hazard, damage, malfunction, or degradation of service. No combination of terminal equipment, multi-line terminating system, or facilities can result in the following situations.

1. Require change in or alteration of the equipment or services of the Company
2. Cause electrical hazards to Company personnel
3. Cause damage to Telephone equipment
4. Cause malfunction of Telephone billing equipment
5. Cause degradation of service to persons other than the user of the subject terminal equipment or multi-line terminating system, his calling or called party.

11.7.3**Recording of Two-Way Telephone Conversations**

A. Private line services are not represented as adapted to the recording of two-way telephone conversations. When voice recording equipment is used with a private line service connected to telecommunications services, the provisions relating to recording of two-way telephone conversations are applicable to the private line service.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.4****Violation of Regulations**

A. If any terminal equipment, multi-line terminating system, customer provided communications system, or inside wire is used with private line services in violation of any of the provisions of this Product Guide, the Company will take immediate action to protect the telecommunications network and Company employees and will promptly notify the customer of the violation in writing. Within ten days of receipt of this notice, the customer must confirm in writing to the Company that the use of the terminal equipment, multi-line terminating system, communications system, or inside wire has been discontinued or the violation corrected. Failure to do this will result in suspension of the service until such time as there is compliance with the provisions of this Product Guide.

11.7.5**Connections of Registered Equipment**

A. The connection may be made only at the customer's premises to Series 2000 or Series 3000 Private Line service (including the appropriate Series 5000 equivalents) that present a two-wire or four-wire loop signaling interface for connection under the following conditions.

- 1.** Registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to the station end of private line services furnished in connection with off-premises stations.
- 2.** Registered PBX systems may be connected, as a trunk termination, to the station end of private line services furnished in connection with off-premises stations.

B. A Type 2006 channel (including its appropriate Series 5000 equivalent) may be utilized with registered terminal equipment, registered protective circuitry, and registered multi-line terminating systems which are connected to the exchange telephone service associated with the channels described in this Product Guide.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.5, Cont'd****Connections of Registered Equipment, Cont'd**

D. The connection of registered terminal equipment and registered PBX systems may be made only at the customer's premises to a Series 1000 or Series 2000 private line service furnished to provide indications of message registration of outgoing calls or automatic identification of outward dialing (AIOD) to the equipment or systems. In addition, customers who intend to install, perform additions to, or make rearrangements of AIOD functions must give advance notice to the Telephone Company in accordance with the procedures specified in Part 68 of the FCC's Rules and Regulations or as otherwise authorized by the FCC.

11.7.6**Connections of Grandfathered Terminal Equipment and Grandfathered Multi-line Terminating Systems Connections through Connecting Arrangements Furnished by the Company**

A. Network control signaling is performed by connecting equipment furnished, installed, and maintained by the customer.

B. Connections specified must comply with the minimum protection criteria.

C. Connecting arrangements are not required and minimum protection criteria are not applicable when terminal equipment or multi-line terminating systems are connected with certain specified channels and are used for the types of transmission specified herein due to the nature of the service provided and/or the type of channels and equipment used. Those channels are Type 1001 through Type 1006, Type 2002, Type 5101 through Type 5106, Type 5202, and Series 6000.

D. Except as otherwise provided for connections of registered equipment and unless otherwise stated herein, terminal equipment and multi-line terminating systems may be electrically connected to private line services subject to the following. Terminal equipment or multi-line terminating systems connected in accordance with the following, must comply with minimum protection criteria.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.6****Connections of Grandfathered Terminal Equipment and Grandfathered Multi-line Terminating Systems Connections through Connecting Arrangements Furnished by the Company, Cont'd**

1. When the terminal equipment or multi-line terminating system is connected with private line service furnished by the Company and the private line service is not arranged for connection to telecommunications services, the connection must be made to an interface provided by the Company.

2. When the terminal equipment or multi-line terminating system is connected with private line service furnished by the Company and the private line service is arranged for connection to telecommunications service, the connections must be made through a connecting arrangement, except as otherwise specified in this Product Guide, as provided herein, and the connection must be made so that the functions of network control signaling are performed by equipment furnished by the customer.

E. Data terminal equipment (including telephotograph equipment) may be connected at the customer's premises to private line service through a data access arrangement provided by the Company in accordance with the following when private line service is arranged as provided in this Product Guide. The customer must furnish the equipment which performs the functions of conditioning the data signals generated by the terminal equipment to signals suitable for transmission by means of Company services, and conditioning signals transmitted by means of Company services to data signals suitable for reception by the equipment.

1. When a data access arrangement is furnished in connection with terminal equipment used for both voice and data communication, the data access arrangement may be used to connect the terminal equipment for voice communication.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.6****Connections of Grandfathered Terminal Equipment and Grandfathered Multi-line Terminating Systems Connections Through Connecting Arrangements Furnished by the Company, Cont'd**

F. Voice terminal equipment may be connected at the customer's premises to private line service arranged as provided in this Product Guide providing that the connection must be made through a connecting arrangement furnished by the Company, and when a data access arrangement is furnished in connection with terminal equipment used for both voice and data communication, the data access arrangement may be used to connect the terminal equipment for voice communication.

G. Attested equipment and conforming answering devices may be used with private line service subject to the provisions of this Product Guide.

11.7.7**Connections of Grandfathered Terminal Equipment and Grandfathered Multi-line Terminating Systems—Direct Connections**

A. Grandfathered terminal equipment and grandfathered multi-line terminating systems, directly connected to the private line services specified and are subject to the regulations contained in this Product Guide. These connections are subject to the minimum protection criteria.

11.7.8**Electrical Connections**

A. Minimum Protection Criteria— Since private line services utilize Company channels and equipment in common with other services it is necessary, in order to prevent excessive noise and crosstalk, that the power of the signal applied to the Company private line service be limited. Because each private line service is individually engineered, a single valued limited for all applications cannot be specified. Therefore, the power of the signal in the band above 300 Hz which may be applied by the equipment to the interface will be specified by the Company for each power allowed on the telecommunications network.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.8, Cont'd****Electrical Connections, Cont'd**

B. To protect other services, the signal applied by the equipment to the Company interface on the customer's premises must meet the following limits.

1. The power in the band from 3,995 Hz to 4,005 Hz must be at least 18db below the power of the signal as specified in Section 1.7.8A.
2. The power in the band from 4,005 Hz to 10,000 Hz must not exceed 16db below one milliwatt.
3. The power in the band from 10,000 Hz to 25,000 Hz must not exceed 24db below one milliwatt.
4. The power in the band from 25,000 Hz to 40,000 Hz must not exceed 36db below one milliwatt.
5. The power in the band above 40,000 Hz must not exceed 50db below one milliwatt.

C. When there is connection to telecommunications services, to prevent the interruption or disconnection of a call, or interference with network control signaling, the signal applied by the equipment to the Company interface on the customer's premises must at no time have energy solely in the 2,450 to 2,750 Hz band. If signal power is in the 2,450 to 2,750 Hz band, it must not exceed the power present at the same time in the 800 to 2,450 Hz band.

11.7.9**Acoustic or Inductive Connections**

A. Voice or data terminal equipment (including telephotograph equipment) may be acoustically or inductively connected at the customer's premises to a private line service provided the acoustic or inductive connection is made externally to the network control signaling unit provided by the customer.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.9, Cont'd****Acoustic or Inductive Connections, Cont'd**

B. Multi-line terminating systems may be acoustically or inductively connected with private line service provided the acoustic or inductive connection is made externally to the network control signaling unit provided by the customer. Multi-line terminating systems may be connected at a premises of the customer or authorized user when the customer has a regular and continuing requirement for the origination or termination of communications over the multi-line terminating systems provided that following apply.

1. The normal mode of operation of the multi-line terminating system is to provide communications originating or terminating at the premises on which the connection is made.

2. The connection is made to channels of a Type number lower than 5500 or to Series 10000 channels furnished by the Company.

C. At the customer's request and where a private line is arranged for joint use a joint user of private line service may acoustically or inductively connect his own multi-line terminating system to a jointly used private line on the same basis as the customer.

D. Tone-type address signaling is permitted through acoustic or inductive connections, however, the services of the Company are not designed for this use and the Company makes no representation as to the reliability of address signaling which is performed in this manner.

E. Minimum Protection Criteria— Since private line service utilizes the Company channels and equipment in common with other services it is necessary, in order to prevent excessive noise and cross talk, that the power of the signal applied to the Company private line service be limited. Because each private line service is individually engineered a single valued limit for all applications cannot be specified. Therefore, the power of the signal which may be applied by the equipment to the interface will be specified by the Company for each application to be consistent with the signal power allowed on the telecommunications network. To protect other services, it is necessary that the signal applied by the equipment to the interface on the customer's premises must meet the following limits at the output of the network control signaling unit.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.9, Cont'd****Acoustic or Inductive Connections, Cont'd****E., Cont'd**

1. The power in the band from 3,995 Hz to 4,005 Hz must be at least 18db below the power of the signal as specified in Section 1.7.9E.
2. The power in the band from 4,005 Hz to 10,000 Hz must not exceed 16db below one milliwatt.
3. The power in the band from 10,000 Hz to 25,000 Hz must not exceed 24db below one milliwatt.
4. The power in the band from 25,000 Hz to 40,000 Hz must not exceed 36db below one milliwatt.
5. The power in the band above 40,000 Hz must not exceed 50db below one milliwatt.

F. When there is connection to telecommunications services, to prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the equipment to the voice transmitting and receiving equipment located on the customer's premises be limited so that the signal at the output of the voice transmitting and receiving equipment must at no time have energy solely in the 2,450 to 2,750 Hz band. If there is signal power at the output of the voice transmitting and receiving equipment in the 2,450 to 2,750 Hz band, it must not exceed the power present at the same time in the 800 to 2,450 Hz band.

11.7.10**Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations**

A. Customer provided communications systems other than multi-line terminating systems connected pursuant this Product Guide (including channels derived from the systems), not exceeding voice grade, may be connected at the customer's authorized user's or joint user's premises where the customer has a regular and continuing requirement for the origination or termination of communications over the customer provided communications system provided that the following apply.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.10, Cont'd****Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations, Cont'd****A., Cont'd**

1. The normal mode of operation of the customer provided communications systems is to provide communications originating or terminating at the premises on which the connection is made.
2. The connection is made through switching equipment provided by the customer or authorized user.
3. The connection is made to channels of a Type number lower than 5500 furnished by the Company or to channels created therefrom in accordance with the provisions for additional channels, and when the private line service is arranged the connection is made through the following arrangement or equipment.
 - a. A connecting arrangement furnished by the Company, or
 - b. Registered or grandfathered terminal equipment, protective circuitry, or multi-line terminating systems subject to Part 68 of the FCCs Rules and Regulations which, either singularly or in combination, assures that all the requirements of Part 68 are met at the private line service interface, or
 - c. The circuitry, equipment, or systems which assures that all the requirements, except signal power control, of Part 68 are met, provided the customer complies with the regulations for Institutional Procedures.

B. Institutional Procedures— The customer provided communications system must be installed, operated, and maintained so that the signal power (within the frequency range of 200–4,000 Hz) at the private line service interface continually complies with Part 68 of the FCCs Rules and Regulations. The operator/maintainer responsible for the establishment, maintenance, an adjustment of the voice frequency signal power present at the private line service interface must be trained to perform these functions by successfully completing one of the following courses.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.10, Cont'd****Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations, Cont'd****B., Cont'd**

1. A training course provided by the manufacturer of the equipment used to control voice frequency signal power.

2. A training course provided by the customer, authorized user or joint user who has responsibility for the entire communications system not subject to Part 68, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency signal power.

3. An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the equipment used to control the voice frequency signal power; or in lieu of the preceding training requirements, the operator/maintainer is under the control of a supervisor trained in accordance with the preceding courses.

C. At least ten days advance notice, in the form of a notarized affidavit, must be given to the Telephone Company before the initial connection of a customer provided communications system. A copy of the affidavit must also be maintained at the customer's premises. The affidavit must contain all of the following information.

1. The full name, business address, and telephone number along with the signature of the customer, authorized user or joint user who has responsibility for the operation and maintenance of the communications system.

2. Information identifying the lines to which the communications system will be connected to or arranged for connection to.

3. A statement indicating all operations associated with establishment, maintenance, and adjustment of the signal power present at the private line service interface will comply with Part 68.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.10, Cont'd****Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations, Cont'd**

C., Cont'd

4. A statement describing how each operator/maintainer of the communications system will meet and continue to meet the training requirements for persons installing, adjusting, or maintaining such communications systems.

D. Upon request, the customer is required to provide proper documentation to demonstrate compliance with the requirements specified in the Institutional Procedures.

E. When the connection of a customer provided communications systems is made the following extraordinary procedures apply.

1. The Company may invoke extraordinary procedures to protect the private line service where one or more of the following conditions are present.

a. Information provided in the affidavit gives reason to believe that a violation of Part 68 or the institutional procedures is likely.

b. Harm has occurred and there is reason to believe this harm was a result of operations performed under the institutional procedures.

2. The extraordinary procedures which can be invoked by the Company, include the following actions.

a. Requiring the use of a connecting arrangement which either protects solely against signal power or which assures that all of the requirements of Part 68 are met at the private line service interface (this connecting arrangement may be provided by either the Company or the customer).

b. Discontinuing service.

F. Customer provided communications systems may be connected with Series 5000 wideband data services furnished to the same customer at the premises of the customer or authorized user where the customer has a regular and continuing requirement for the origination or termination of communications over the customer provided communications system provided that the following apply.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.10, Cont'd****Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations, Cont'd****F., Cont'd**

1. The normal mode of operation of the customer provided communications system is to provide communications originating or terminating at the premises on which the connection is made.

2. The connection is made through switching equipment provided by the customer or authorized user.

3. The connection is made to service terminals furnished for the transmission of sequential synchronous signals at the rate of 40.8 kbps or for the transmission of two level sequential nonsynchronous facsimile signals.

G. Customer provided communications systems may be connected through connecting arrangements furnished by the Company with Type 10001 channels (entrance facilities) furnished for the purpose of extending the customer provided communications system to a premises of the customer or authorized user. The Type 10001 channel or channels created therefrom in accordance with the provisions for additional channels may be connected at each customer's or authorized user's premises to other customer provided communications systems in accordance with this Product Guide.

H. At the customer's request, and where a private line is arranged for joint use, a joint user of private line service may connect his own communications system to the jointly used private line on the same basis as specified in this Product Guide.

I. A communications system provided by an authorized user may be connected at the premises of the authorized user to private line services furnished by the Company to a customer on which the authorized user has a station provided that the following apply.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.10, Cont'd****Connections of Customer Provided Communications Systems Not Subject to Part 68 of the FCCs Rules and Regulations, Cont'd****I., Cont'd**

1. The connection is made through switching equipment provided by the customer or authorized user.
2. The connection is made to channels of a Type number lower than 5500 furnished by the Company or to channels created therefrom in accordance with the provisions for additional channels.
3. The connection is made on the same basis as set forth for the customer in Sections 1.7.6, 1.7.7 and Section 1.7.8.

J. A communications system provided by an authorized user may be connected at the premises of the authorized user with Series 5000 wideband data services furnished to a customer provided that the following apply.

1. The connection is made on the same basis as set forth for the customer in Sections 1.7.6, 1.7.7 and Section 1.7.8.
2. The connection is made to service terminals furnished for the transmission of sequential synchronous signals at the rate of 40.8 kbps or for the transmission of two level sequential nonsynchronous facsimile signals.

11.7.11 Power, Pipeline and Railroad Companies

A. Facilities of an electric power company, an oil, oil products, or natural gas pipeline company, or a railroad company, provided primarily to communicate with points located along a right-of-way (including premises of such company anywhere in cities, towns, or villages along the right-of-way) may in lieu of the provisions of Sections 1.7.6, 1.7.7 and Section 1.7.10 be connected with services furnished by the Company subject to the regulations specified herein, and provided that the following apply.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.11, Cont'd****Power, Pipeline and Railroad Companies, Cont'd****A., Cont'd**

- 1.** The connections are made by means of switching or connecting equipment furnished by the Company.
 - 2.** The customer's facilities are connected to private line services furnished by the Company for voice transmission and utilizing a Type 2001 channel, for communications with stations associated with the private line services provided that facilities of the customer are not connected to a central office line to form a through connection except in the following circumstances.
 - a.** In cases of emergency involving safety of life or property.
 - b.** In cases of calls originated by railroad employees under circumstances indicating need for prompt action to secure or maintain the safety, continuity, or reliability of railroad service to the public, and related to the movement of passengers, mail, property, or equipment by railroad, or the repair, maintenance, or construction of railroad rights-of-way, structures, or equipment.
 - c.** In cases where customer facilities serve locations where it is impracticable, because of hazard or inaccessibility, for the Company to furnish its facilities.
 - d.** During an interim period in cases where the customer has arranged for replacement of customer facilities with facilities of the Company.
- B.** Telephone circuits of these companies are connected to a central office line to form a through connection only via manual switching equipment, or an attendant's position of dial PBX equipment. The equipment or position may be located at either or both ends of the customer's circuit.
- C.** Connection of a customer's circuit may be established at either end of the circuit, but cannot be established at both ends simultaneously.
- D.** Customer teletypewriter or Morse, telephotograph, data transmission, remote metering, supervisory control, or miscellaneous signaling facilities are connected to private line service furnished by the Company for those purposes.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.11, Cont'd****Power, Pipeline and Railroad Companies, Cont'd**

E. The Company provided private line services, when connected with facilities of the customer, may be used for communications of, and be connected with, services furnished by the Company to other companies which are owned or operate as follows.

- 1.** Are operated with the customer as parts of an integrated electric power, oil, oil products, natural gas systems, or railroad system; or
- 2.** Own or operate an electric power, pipeline, or railroad system with the customer; or
- 3.** Own or operate electric power, pipeline, or railroad facilities interconnected with those of the customer.

F. The Company provided private line services, when so connected, may be connected to a central office line to form a through connection for communications of other companies including calls originated by employees of these companies.

G. Terminal equipment and multi-line terminating systems connected in prior to January 1, 1980, may remain connected and be moved and reconnected for the life of the equipment unless subsequently modified. New installations of terminal equipment and multi-line terminating systems subject to Part 68 of the FCC's Rules and Regulations connected to such private line services must meet the requirements of Part 68.

H. New installations of or additions to terminal equipment and multi-line terminating systems subject to Part 68, connected to the private line services must meet the requirements of Part 68.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.12****Connections of Services Furnished by the Telephone Company to the Same Customer**

A. A private line may be connected to another private line if the forms of electrical communications for which they are being used are the same. These private lines may be connected, at the premises of the customer, authorized user, joint user, sharer, or patron of reseller. Except as otherwise provided the connections will be made through connecting arrangements or channel switching arrangements.

B. Private lines for program transmission may be connected to the extent specified for Series 6000 channels in Section 2.

C. Channels created by the customer, authorized user, or joint user in accordance with the provisions for additional channels may be connected at the customer's, authorized user's, or joint user's premises to channels of a Type number lower than 5500 or to a Type 10001 channel furnished by the Telephone Company, and to channels created there from.

D. A private line for voice communications utilizing a Type 2001A, Type 2001B, Type 5201A, Type 5201B channel, or other types of channels when used alternately for voice transmission and when in the voice mode, may be connected at a PBX or other switching equipment or connecting arrangements to a central office line to form a through connection over the private and exchange lines where facility conditions permit. It is not contemplated that more than one type of connection will be established simultaneously and transmission is not represented as adapted to more than one connection of the combined facilities at one time.

1. When a two point private line or a multi-point private line arranged for service solely between two points utilizing the above type channels is used for data transmission, through connections over the private and exchange lines may also be established as described above subject to the provisions of Sections 1.7.6, 1.7.7, 1.7.8, 1.7.9 and Section 1.7.10 and the rates and regulations specified in Part A, Section 4.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.12, Cont'd****Connections of Services Furnished by the Telephone Company to the Same Customer, Cont'd**

E. The telecommunications network may be used in conjunction with appropriate Series 2000 or 5000 channels to extend the transmission and reception of pictures and similar material for publication to points not on a telephotograph network subject to the rates and regulations specified in paragraph 11.20. No direct connection of the telecommunications network will be made to the above channels at the premises of the customer except where protective connecting equipment is provided for this purpose by either the Company or the customer.

F. A private line utilizing a Type 2001A, 2001B, 5201A, 5201B, or Type 10001 channel may be connected at a premises of the customer to a central office line to form a through connection. The connection will be through switching equipment provided by the customer and will be made so that the function of network control signaling is performed by a network control signaling unit furnished, installed, and maintained by the customer subject to the provisions of Sections 1.7.6 and Section 1.7.7.

G. Type 10001 channels may be connected to private line services on the premises of the customer or authorized user provided that the following apply.

- 1.** The connection is made through switching equipment provided by the customer or authorized user, and
- 2.** The connection is made to channels of a Type number lower than 5500 or to Series 10000 furnished by the Company or to channels created there from in accordance with the provisions for additional channels.

H. Series 1000 or Type 5100 channels may be connected at the customer's premises to a central office line through switching equipment. The connection will be made so that the function of network control signaling is performed by equipment furnished, installed, and maintained by the customer subject to the provisions of Section 1.7.6 and Section 1.7.7.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.7.12, Cont'd****Connections of Services Furnished by the Company to the Same Customer, Cont'd**

I. Terminal equipment and multi-line terminating systems connected to the private line services prior to January 1, 1980, may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of terminal equipment and multi-line terminating systems subject to Part 68 of the FCC's Rules and Regulations connected to such private line service must meet the requirements of Part 68.

J. New installations of or additions to terminal equipment and multi-line terminating systems subject to Part 68, connected to the private line services meet the requirements of Part 68.

11.8**Application of Rates and Charges****11.8.1****Change in Service Arrangement**

A. When a change in service arrangement involves continued use of facilities furnished by the Company, nonrecurring charges do not apply to the facilities continued in use. The minimum service period for the facilities continued in use is determined from the date of initial installation.

11.8.2**Temporary Surrender of Service**

A. When, at the request of the Company, service is temporarily surrendered by the customer, credit is provided at the proportionate monthly contract charge in half hour multiples for each half hour or major fraction thereof for the period the service is surrendered. For the purpose of determining the amount of credit every month is considered to have 30 days.

11.8.3**Suspension of Service**

A. Upon request of the customer, private line service and associated equipment, except Series 5000 channels, that can be made inoperative without affecting other associated services of an installation may be suspended after the initial month of service subject to the following.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.8.3, Cont'd****Suspension of Service, Cont'd**

1. The monthly rate applies if the period of suspension is 15 or fewer days.
2. The reduction of rate on account of the suspension of service applies during a total of not more than nine months during any one calendar year.
3. More than one period of suspension may be permitted in any one calendar year provided at least one month's full charge is paid for service furnished between periods of suspension.
4. The monthly rate during the period of suspension is 50% of the monthly rate for the service suspended. A minimum charge equal to 50% of the monthly rate applies to periods of suspension of less than 30 days. The combined charge for one month for both suspension of service and regular service cannot exceed the monthly rate for service if the service were not suspended.

11.8.4**Regular Working Hours**

A. Rates and charges reflect that work will be performed during regular working hours and that work once begun will not be interrupted by the customer, authorized user, joint user, sharer or patron of resellers. If the customer, authorized user, joint user, sharer or patron of resellers requests work to be performed outside of regular working hours (either to meet their convenience or because the time allowed is insufficient to permit completion during regular hours), or if the customer, authorized user, joint user, sharer or patron of resellers interrupts work that has begun, the customer may be required to pay any additional costs incurred.

11.8.5**Mileage Measurements**

A. **Intraexchange Mileage** measurements are determined for the appropriate Series and Type channel involved.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.8.5, Cont'd****Mileage Measurements, Cont'd**

B. Interexchange Mileage— For the purpose of determining rate distances, a V&H coordinate system is used. The V&H system consists of a series of coordinates which represents a theoretical grid of vertical and horizontal lines covering the area within a Local Access and Transport Area (LATA) in the Commonwealth of Massachusetts. The location of a rate center expressed in latitude and longitude is converted mathematically to its grid location, that is Vertical V and Horizontal H coordinates. These coordinates permit calculation of the rate mileage distance between any two rate centers.

1. Two Point Service— The interexchange mileage is the airline distance per mile between rate centers of the service points (exchanges at which connection is made with local channels).

a. Series 6000 Channels— The interexchange mileage is the airline distance (fractional miles being considered as full miles) between rate centers of the service points (exchanges at which connection is made with local channels) mathematically determined in accordance with V&H coordinate system of calculation of the distance between rate centers.

2. Multi-point Service— The interexchange mileage for multi-point service is that combination of airline distances connecting service points which will produce the lowest total interexchange mileage charge. The airline distance between each pair of points is determined in accordance with Section 1.8.5B.

a. Series 6000 Channels— The interexchange mileage for Series 6000 multi-point service is that combination of airline distances connecting service points which will produce the lowest total interexchange mileage charge. The airline distance between each pair of points is determined in accordance with Section 1.8.5B for Series 6000 channels. As an exception, when the customer requests that the service points be connected in a specified sequence, the interexchange mileage is the shortest airline mileage determined in accordance with the Section 1.8.5B for Series 6000 channels which will connect the service points in the specified sequence.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.8.5, Cont'd****Mileage Measurements, Cont'd**

C. Local Channels Schedule F— The local channel mileage is the airline distance in quarter miles (fractional quarter miles being considered as full quarter miles) measured directly on a standard map between the following locations.

1. Two stations
2. The studio and first distributing center or point of connection with an interexchange channel
3. Between distributing centers, using the shortest airline distance connecting all distributing centers
4. A distributing center and each station served therefrom.

11.9**Series 1000 Channels**

Rates and charges for services explained herein are contained in Part M, Section 2. Service charges referred to herein are explained in Part A, Section 3 and contained in Part M, Section 1. The regulations contained in Section 1 apply in addition to the regulations specified herein.

11.9.1**Availability**

A. Extending of an intraexchange channels between the following locations is no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

1. Between points in different buildings not on the same premises
2. Between points within a building involving the same or different premises
3. Between points in different buildings on the same premises, or
4. Extending additional points in the same building of channels described herein.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.9.1, Cont'd****Availability, Cont'd**

B. Two point intraexchange channels furnished in lines in excess of ten between the same two points based on a direct airline measurement between the points of termination between different buildings not on the same premises or between a customers premises and the rate center or the Company central office for Types 1001, 1002, 1005 and 1006 being furnished on a mileage basis or on or before March 21, 1983 may be continued for existing customers at present locations in the same or fewer quantities. New installations will be provided only at rates and charges specified in paragraph 11.20.

C. Type 1006 channels installed to extend a channel to an additional point in the same building, or to another building on the same premises installed on or before March 21, 1983 with additional termination within a building or to another building on the same premises may be continued for existing customers at present locations in the same or fewer quantities.

D. Extending of interexchange local channels (Types 1002, 1005 and 1006) is no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

11.9.2**Description**

A. Series 1000 channels are furnished for half duplex operation on a two point or multi-point basis and for duplex operation on a two point basis or any two point portion of a multi-point channel.

B. Special Signaling— Two-wire metallic or other effectively equivalent unconditioned channels are furnished for use with the Company provided service arrangements or with customer provided signaling equipment in accordance with the Company technical reference specifications. These channels are furnished for remote metering, supervisory control or miscellaneous signaling arrangements. Metallic interoffice facilities and metallic interexchange facilities for these services are in continually decreasing supply and are furnished subject to availability. Construction of facilities expressly for these services is not contemplated.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.9.2, Cont'd****Description, Cont'd**

1. Type 1001— point or three point service for direct current transmission (DC metallic continuity) on an intraexchange basis only. No additional terminations are provided within a building or to another building on the same premises. [No longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.]

2. Type 1002— These channels are furnished on an intraexchange or interexchange basis. They are furnished to accommodate a minimum of four intraexchange points or two interexchange points up to a maximum of 26 points and to include not more than three central office buildings for low speed and unidirectional signaling. [Service arrangements installed on or before March 21, 1983, with points in excess of those specified above are furnished to existing customers at present locations only in the same or lesser quantities.]

a. No additional terminations are provided within a building or to another building on the same premises. These channels are furnished as metallic facilities or other equivalent means at the Company's option. When metallic facilities are not available, the Company will provide this service via a low speed signaling system. [No longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.]

C. Sub Voice— Two point or multi-point channels suitable for transmission up to 75 bauds or 150 bauds are furnished for use with terminal equipment as specified below. These channels are provided for use with data and teletypewriter equipment.

1. Type 1005— Up to 75 baud operation. No additional terminations are provided within a building or to another building on the same premises. [No longer available. Service arrangement for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.]

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.9.2, Cont'd****Description, Cont'd**

2. Type 1006— Up to 150 baud operation. No additional terminations are provided within a building or to another building on the same premises. [Service arrangements installed on or before March 21, 1983, with additional terminations in excess of those specified above may be continued for existing customers at present locations.]

11.9.3**Regulations**

A. Series 1000 channels, when furnished for remote metering, supervisory control or miscellaneous signaling purposes, may be used for such purposes as indicating readings of meters at distant locations, operating switches which in turn perform some desired operation, or operating special signaling devices of the customer. Station equipment and station wiring for remote metering, supervisory control or miscellaneous signaling purposes, other than the equipment necessary for the suitable termination of the channel on the customer's premises shall be provided by the customer.

1. Type 1005 channels when used for teletypewriter or Morse services may be connected to extend service to another customer.

2. Type 1006 channels when used for teletypewriter or Morse services may be connected to extend service to another customer. Stations connected to Type 1006 channels which are arranged for 150 baud operation require a station arrangement. A station arrangement is required to arrange each station for 150 baud operation. When an extension station is located within range limitations, no additional station arrangement is required.

1. For those channels between points in different buildings not on the same premises additional points on the same circuit for Type 1001 are furnished subject to the regulations specified in Section 2.1.2. Additional points on the same circuit for Type 1002 are furnished subject to the regulations specified in Section 2.1.2B2.

C. For interexchange channels, additional local channels (Type 1002) in the same exchange on the same circuit are furnished subject to regulations specified in Section 2.1.2B2.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.9.4****Application of Rates and Charges**

A. Service Charges apply as appropriate and are in addition to the applicable nonrecurring charges for Series 1000 channels.

B. Moves— Service charges apply as appropriate.

C. Switching Arrangements— Charges will be based on cost.

11.10**Series 2000 Channels****11.10.1****Availability**

A. Intraexchange channels furnished between points within a building involving the same or different premises, and, between points in different buildings on the same premises are no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

B. Extension of intraexchange channel Types 2001 and 2002 between points in different buildings not on the same premises or extension of Type 2001A between the main building and other buildings on the same continuous property is no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

C. Extension of a Type 2001 interexchange local channel or additional local channel in the same exchange on the same circuit is no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

1. Extension of such channels to an additional point in the same building, or to another building on the same premises installed before December 31, 1986 with additional termination within a building or to another building on the same premises are furnished to existing customers at present locations only in the same or lesser quantities.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.1, Cont'd****Availability, Cont'd**

D. Two point intraexchange channels furnished in lines in excess often between the same two points based on a direct airline measurement between the points of termination between different buildings not on the same premises for Types 2001, 2001A PBX, 2001B and 2002, or between a customer's premises and the rate center or Telephone Company central office for Types 2001 and 2002, being furnished on a mileage basis or on or before March 21, 1983 may be Cont'd for existing customers at present locations in the same or fewer quantities. New installations will be provided only at the current Product Guided rates and charges. When those customers order such 2001A PBX or 2001B two point channels, signaling arrangements are required.

E. Type 2001A extension lines between the main building and other buildings on the same continuous property of one customer; or, from a customer's service to a secretarial service board, or to an answering location in the same building where the line terminates in a multi-line telephone of another customer, are no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

F. Type 2006A intraexchange channels for extension lines between buildings on the same premises are no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

11.10.2**Description**

A. Series 2000 channels are furnished for half duplex operation on a two point or multipoint basis. The various types of services furnished are as follows.

1. Type 2001 channels are furnished for voice transmission for terminal equipment not involving connection of a PBX or other arrangement to a local or toll central office line to form a through connection over the private and exchange service lines.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.2, Cont'd****Description, Cont'd**

2. Type 2001A channels are furnished for voice transmission as bridged connections to exchange service lines or as PBX (or similar) off-premises main and extension station lines, which may require signaling arrangements for operation over channels with specified resistance, with the capability of connection at a PBX, (or similar) system to a local or toll central office line to form a through connection over such a line.

3. Type 2001B channels are furnished for voice transmission provided with or without signaling arrangement(s) to interconnect PBX (or similar) systems, Centrex systems or PBX (or similar) and Centrex systems.

4. Type 2002 channels are furnished for remote control and operation of mobile radio-telephone systems.

5. Type 2006 channels are furnished for voice transmission in connection with foreign exchange service.

6. Type 2006A channels are furnished for voice transmission in connection with foreign central office service.

11.10.3**Regulations–Type 2001**

A. These channels may be used for conference service so that persons at three or more telephones may converse simultaneously.

B. These channels may be used for data transmission subject to the provisions herein.

C. These channels may be connected to extend service to another customer when the connection is made in accordance with the provisions of this Product Guide.

D. These channels may be used to provide school to home service. School to home service equipment is provided by the customer and must include combined amplifier-speaker-microphone equipment for use in a classroom and a home, or hospital. This equipment, at either location, may be fixed or portable.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.3, Cont'd****Regulations—Type 2001, Cont'd**

E. These channels may be furnished between premises of the customer for the purpose of connecting terminal equipment.

F. Telephotograph equipment for the transmission and reception of pictures and similar material may be used in connection with a private line for voice communications under the conditions that private line telephone service is not represented as adapted to the telephotographic transmission of pictures and similar material.

1. Liability— The use of private line service for telephotographic transmission is permitted only on the condition that the Telephone Company is not responsible for damages arising out of mistakes, omissions, interruptions, delays, or errors or defects in transmission, except those caused by its failure to furnish facilities suitable for ordinary telephone service or its failure to maintain and operate the facilities in a manner proper for telephone service. The liability of the Telephone Company for damages caused by its failure to furnish facilities suitable for ordinary telephone service or its failure to maintain and operate the facilities in a manner proper for telephone service is as set forth in this Product Guide.

G. Service Interruptions— Credit will be allowed only as provided in Section 2 of this Product Guide.

11.10.4**Regulations—Type 2001 Extension Service Associated with Government Service**

A. Interexchange Channels— When stations of an extension service are in exchanges in which there is no station on the Government service, interexchange mileage charges apply for the interexchange channel connecting such exchanges with the nearest exchange in which there is a station on the Government service.

B. Local Channels— Intraexchange channel rates and charges for two local channels to the customer's building apply for each station connected to a central office on a service arranged for communication among three or more stations at one time, except that where stations of an extension service are located on the same premises as a station on the Government service, charges for connecting arrangements specified herein will apply in lieu of the charges for local channels.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.4, Cont'd****Regulations—Type 2001 Extension Service Associated with Government Service, Cont'd**

C. Connecting Arrangements— When one or more extension services are located on the same premises but in a different building than a station on the Government service, rates and charges are applicable for each extension service.

D. Move and change charges apply as appropriate.

11.10.5**Regulations—Type 2001A**

A. These channels are classified as extension lines and are furnished in connection with main telephone exchange service and PBX (or similar) and Centrex systems, or between premises of the customer for the purpose of connecting PBX (or similar) or Centrex systems to other terminal equipment. Extension lines are furnished when the following situations occur.

1. The extension station line or PBX (or similar) main or extension station line is at a different premises in which the associated main station line or PBX (or similar) system is located.

2. A Centrex station line is located in a building other than the principal premises.

3. The terminal equipment is outside the building in which the associated PBX (or similar) system is located.

B. Extension lines are designed to meet normal transmission and signaling requirements and will be furnished when practicable and where facility conditions permit.

C. Extension Line Signaling Arrangements— Extension lines furnished for PBX (or similar) off-premises main or extension station lines require signaling arrangement(s) as follows.

1. Type A— Furnished for use with Class A PBX (or similar) station ports capable of operation over channels with resistance in the range of 0–199 ohms

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.5****Regulations–Type 2001A, Cont'd**

2. Type B—Furnished for use with Class B PBX (or similar) station ports capable of operation over channels with resistance in the range of 200–899 ohms

3. Type C—Furnished for use with Class C PBX (or similar) station ports capable of operation over channels with resistance in the range of 900 ohms or more.

D. When an interexchange business extension line originates and terminates in Metropolitan Boston exchanges, the associated main service must be on a measured basis. In all other cases, interexchange extension lines may be associated with measured or unlimited service in accordance with the offering in the exchange and subject to the general regulations governing the furnishing of measured and unlimited service on the same premises as specified in this Product Guide.

E. Extension lines provided in connection with Centrex service are furnished subject to the regulations specified in this Product Guide.

F. These channels may be used for data transmission subject to the provisions herein and in Section 1.

11.10.6**Regulations–Type 2001B**

A. These channels are classified as tie lines and furnished to interconnect the following systems or premises.

1. PBX or similar systems of the same or different customers in different buildings and premises not on the same continuous property,

2. The principal premises of a Centrex system and its satellite service location,

3. The principal premises of separate Centrex systems of the same or different customers, and

4. The principal premises of a Centrex system and a PBX system of the same or different customers.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.6****Regulations–Type 2001B, Cont'd**

B. Tie lines are designed to meet normal transmission and signaling requirements and will be furnished where practicable and where facility conditions permit. Tie line connections to central office trunk lines may be established at either end but not both ends simultaneously.

C. Dial-type tie lines require E&M signaling arrangement(s) to provide an E&M signaling interface with switching equipment located on the customer's premises when furnished for use between two PBX (or similar) systems, and, between a PBX (or similar) system and a Centrex system, in which case only one signaling arrangement is required.

D. Interexchange tie lines may be associated with measured or unlimited PBX (or similar) systems or Centrex in accordance with the offering in the exchange and are subject to the regulations contained in Part A, Section 5 governing the furnishing of measured and unlimited service on the same premises.

E. Tie lines provided in connection with Centrex service are furnished subject to the regulations specified in Part H.

F. These channels may be used for data transmission subject to the provisions herein and in Section 1.

11.10.7**Regulations–Type 2002**

A. These channels are furnished between specified locations for the remote operation and control of private land radio-telephone stations established for communication with mobile units. Channels are suitably terminated on the premises of the customer by the Telephone Company.

11.10.8**Regulations–Type 2006**

A. These channels are furnished to permit customers to obtain individual line or trunk line connection from an exchange other than that normally serving the area in which the customer is located.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.10.8, Cont'd****Regulations–Type 2006, Cont'd**

B. The regulations applicable to these arrangements are as shown for foreign exchange service in Part A.

C. These channels may be used for data transmission subject to the provisions herein and in Section 1.

11.10.9**Regulations–Type 2006A**

A. These channels are furnished within an exchange to provide exchange service from a different central office other than that normally serving the area in which the customer is located.

B. The regulations applicable to this arrangement are as specified for foreign central office service in Part A.

C. These channels may be used for data transmission subject to the provisions herein and in Section 1.

11.10.10**Application of Rates and Charges**

A. Rates and charges specified elsewhere in this Product Guide for main telephone exchange service are applicable with channel Types 2001A, 2006 and 2006A.

B. In addition to the nonrecurring charges for Series 2000 service, service charges apply as appropriate.

C. For Type 2006 interexchange channels, the mileage rate between rate centers is limited to three exchanges.

D. The rates for Series 2000 channels contemplate service involving connection between telephones connected to the line and arranged for hand generator signaling. Signaling arrangements are available.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.11****Series 3000 Channels****11.11.1****Availability**

A. Intraexchange channels furnished between points within a building involving the same or different premises, or, between points in different buildings on the same premises are no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

B. Extension of a Type 3001 and 3002 intraexchange and/or interexchange local channel or additional local channel in the same exchange on the same circuit is no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

C. Two point intraexchange channels furnished in lines in excess of ten between the same two points based on a direct airline measurement between the points of termination between different buildings not on the same premises for Types 3001 and 3002, or between a customer's premises and the rate center or the Company central office for Types 3001 and 3002, being furnished on a mileage basis or on or before March 21, 1983 may be Cont'd for existing customers at present locations in the same or fewer quantities. New installations will be provided only at current Product Guided rates and charges.

11.11.2**Description**

A. Series 3000 channels are designed to meet certain specifications based on the Company standards of measurement for data transmission and for remote metering, supervisory control, and miscellaneous signaling purposes as set forth herein. These channels are not suitable for the transmission of direct current pulses. The number of stations that may be connected and the distance over which transmission is possible may be limited by operating and transmission factors on channels furnished for data transmission.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.11.2, Cont'd****Description, Cont'd**

B. The channels may also be furnished to connect terminal equipment or communications systems to other terminal equipment or communications systems.

C. Channels are furnished for half duplex operation on a two point or multi-point basis and for duplex operation on a two point basis or any two point portion of a multi-point channel. The transmission characteristics and the various types of services furnished within this series are as follows.

1. Type 3001— Approximate bandwidth of 300 to 3,000 Hz. Furnished for remote metering, supervisory control and miscellaneous signaling purposes.

2. Type 3002— Approximate bandwidth of 300 to 3,000 Hz. Furnished either as an unconditioned or conditioned channel for data transmission. A channel conditioning arrangement is required when the channels are used for either C1, C2 or D1 data transmission. When the channel equipped with Type D1 conditioning is utilized for voice communications, the Company does not guarantee that the channel will be suitable for voice transmission.

11.11.3**Regulations—Type 3001**

A. These channels are furnished for indicating readings of meters at distant locations, operating switches which in turn perform some desired operation, or operating special signaling devices of the customer.

11.11.4**Regulations—Type 3002**

A. These channels when used for data transmission require terminal equipment (data sets) to condition signals generated by apparatus furnished by the customer to signals suitable for transmission on the channel and to condition signals received from the channel to signals for delivery to apparatus furnished by the customer.

B. These channels may be used for normal black and white telephotograph (facsimile) transmission purposes without the use of terminal equipment. When picture transmission refinements are required, suitable terminal equipment should be used.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.11.4, Cont'd****Regulations–Type 3002, Cont'd**

C. Conditioning— When Type 3002 channels are used for C1, C2 or D1 data transmissions, the following conditioning arrangements are required.

1. C1— The envelope delay distortion must not exceed between 1,000 or 2,400 Hz, a maximum difference of 1,000 microseconds. The loss deviation with frequency (from 1,000 Hz reference) must not exceed between 1,000 and 2,400 Hz, –1db to +3db, or between 300 and 2,700 Hz, –2db to +6db.

2. C2— The envelope distortion must not exceed between 1,000 or 2,600 Hz, a maximum difference of 500 microseconds, between 600 or 2,600 Hz, a maximum difference of 1,500 microseconds, or between 500 or 2,800 Hz, a maximum difference of 3,000 microseconds. The loss deviation with frequency (from 1,000 Hz reference) must not exceed between 500 and 2,800 Hz, –1db to +3db, or between 300 and 3,000 Hz, –2db to +6db.

3. D1 (High Performance Data Conditioning)— For a two point channel Signal to C-Notched noise ratio is 28db. Nonlinear distortion is signal to second order distortion of 35db or, signal to third order distortion of 40db. Type D1 is furnished subject to the availability of suitable facilities.

11.11.5**Application of Rates and Charges**

A. Service Charges apply in addition to the nonrecurring charges for Series 3000 service.

B. Bridging Charges apply on multi-point channels.

C. Moves— Service charges apply as appropriate.

11.12**Series 5000 Channels****11.12.1****Availability**

A. Series 5000 channels are available to existing customers at their present locations only.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.12.2****Description**

A. Series 5000 channels are furnished between specified locations for voice, telephotograph (facsimile), teletypewriter, data transmission, remote metering, supervisory control, miscellaneous signaling and other purposes for which terminating arrangements are provided.

B. Series 5000 channels are furnished for half duplex or duplex operation, on a two point or multipoint basis.

11.12.3**Base Capacity**

A. Series 5000 channels provide base capacity for transmitting various forms of electrical communication up to the limits specified for the various types as set forth herein and terminating arrangements necessary for the utilization of such capacity.

B. Within the limits of a base capacity, for purposes of consolidation, the customer may move as many individual channels of lesser capacity arranged for use as required. As of April 14, 1994 the total number of channels in-service may not increase, and any channel removed from service may not be replaced. A channel is considered arranged for use when the necessary terminating or connecting arrangements are furnished pursuant to the customer's order.

C. Base capacity denotes the potential for communication channels and services which can be realized only with the use of terminating arrangements. Base capacity, with appropriate terminating arrangements, is provided for use as a wideband channel or for use as individual channels of lesser capacity which in total do not exceed the equivalent voice grade capacity specified for each type. Base capacity is furnished in a manner elected by the Telephone Company, whether by wire, radio or a combination thereof and whether or not by means of a single facility or route.

D. For each base capacity the Company undertakes to provide only that portion of the maximum base capacity which the customer orders as channels arranged for his use. For purposes of consolidation, channels up to the maximum of the base capacity may be moved and arranged for use at the customer's request subject to the availability of suitable terminating or connecting arrangements.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.12.3, Cont'd****Base Capacity, Cont'd****D., Cont'd**

1. Within the maximums specified in Exhibit 11.12.3-1 the base capacity made available to the customer in each classification is determined by the number and type of terminating or connecting arrangements furnished from time to time pursuant to his order and is limited to the capacity so determined.

Exhibit 11.12.3-1**Series 5000 Channel Base Capacity Types and Classifications**

<u>Base Capacity</u>	<u>Max. Equivalent Carrier Spectrum Assignment</u>	<u>Max. Equivalent Voice Grade Channels</u>
Type 5500	48 Kilocycles Per Second	12
Type 5600	96 Kilocycles Per Second	24
Type 5700	240 Kilocycles Per Second	60
Type 5800	1000 Kilocycles Per Second (approx.)	240

11.12.4**Terminating Arrangements**

A. Terminating arrangements for use with the various types of base capacity are furnished as service terminals for use as a wideband channel or as service terminals for use as individual channels of a lesser capacity. A service terminal is required for each service arranged for use by the customer, for each connection of service to a station, or for each connection of service to a the Company office for the purpose of establishing a channel in connection with foreign exchange service. When a channel switching arrangement is provided, each station at the switching point requires a service terminal for each of the channels to which it is connected and which can be operated as a separate channel.

1. Where service terminals for use as individual channels of a lesser capacity are furnished, the Type numbers as shown in Exhibit 2.4.4-1 are assigned by reference to the individual channel as if it were furnished under. Series 1000, 2000 or 3000 channels by dropping the second-digit of the regular Type number and adding a five as the first-digit of the new four-digit Series 5000 Type number.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.12.4, Cont'd****Terminating Arrangements, Cont'd**

B. Moves and Changes— When a service terminal is moved, nonrecurring charges apply. When a change is made in the classification of the service terminal, a nonrecurring charge applies for each service terminal that is changed or added new in the base capacity.

1. When a customer's existing channels and services become channels and services of a base capacity, nonrecurring charges for service terminals do not apply provided service terminals of the same classifications are continued in use without interruption.

C. Service Terminals for Use as a Wideband Channel

1. **Type 5501**— Service terminals to accommodate the transmission of data signals at a rate of 40,800 bits per second in sequence, including one telephone channel termination for coordination. The channels developed by each service terminal have the total equivalent of twelve telephone channels.

2. **Type 5502**— Service terminals to accommodate the transmission of data signals at a rate of 50,000 bits per second in sequence, including one telephone channel termination for coordination. The channels developed by each service terminal have the total equivalent of twelve telephone channels.

D. Service Terminals for Use as Channels of a Lesser Capacity

Voice— Service terminals suitable for terminating channels having transmission characteristics and with terminating arrangements similar to those furnished under Series 2000 and 3000 (Type 3001 only) channels. Voice service terminals are Types 5201, 5201A, 5201B, 5202, 5206 and 5301.

Teletypewriter— Service terminals suitable for terminating channels having transmission characteristics and with terminating arrangements similar to those for channels furnished under Series 1000 channels. Teletypewriter service terminals are Types 5102, 5105 and 5106.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.12.4, Cont'd****Terminating Arrangements, Cont'd****D. Service Terminals for Use as Channels of a Lesser Capacity, Cont'd**

a. Except for Type 5106 channels twelve channels or any portion thereof or a combination, not exceeding twelve channels, between the same pair of rate centers, have the equivalent of one voice grade channel. Four Type 5106 channels or any portion thereof not exceeding four channels, between the same pair of rate centers, have the equivalent of one voice grade channel.

3. Data— Service terminals suitable for terminating channels having transmission characteristics and with terminating arrangements similar to those for Series 3000 channels furnished for data or telephotograph transmission. Each channel has the equivalent of one voice grade channel. Data service terminals are Type 5302.

4. Charges for the first station in an exchange or for a connection to a Telephone Company office on each service in use are incurred per service terminal. Charges for the second or subsequent station in an exchange on any individual service are incurred per service terminal.

Exhibit 11.12.4-1**Terminating Arrangements**

Series	Type	Equivalent 5000 Series type
1000	1002	5102
2000	2001	5201
3000	3001	5301

11.12.5**Connecting Arrangements**

A. A connecting arrangement is required for each connection of a channel furnished under this series to the following channels or arrangements.

- 1.** An interexchange channel furnished under other series, except where the connection is by means of a switching arrangement
- 2.** An alternate use arrangement except when a connecting arrangement is furnished for the preceding purpose, or a service terminal is provided.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.12.5, Cont'd****Connecting Arrangements, Cont'd**

B. A connecting arrangement charge equal to the service terminal charge for the first station on the channel applies for each connecting arrangement.

C. When a customer wishes to make the connection at will, special charges apply for the function performed.

11.12.6**Station Arrangement**

A. When Type 5106 interexchange channels are provided for use with teletypewriter service terminals, station arrangement regulations as specified for Type 1006 channels apply.

11.12.7**Channel Conditioning Arrangement**

A. When Type 5302 interexchange channels are provided for use with data service terminals and used for either Type C1, C2 or D1 data transmission, channel conditioning arrangement charges as specified for Type 3002 channels apply.

11.12.8**Regulations**

A. Channels furnished within this series are provided only through the use of Series 5000 terminating or connecting arrangements provided by the Telephone Company. The customer cannot create additional channels from channels furnished under this series except that the customer can create additional channels from channels of voice grade or less to the extent permitted under the provisions of Section 1.

B. Channels and terminating arrangements furnished for purposes specified herein are suitable for these purposes. While other uses are permitted, channels and terminating arrangements are not represented as being satisfactory for other uses.

C. When a wideband channel is arranged for alternate use as channels of lesser capacity in accordance with regulations for alternate use, one voice grade channel will be associated with the wideband service terminal for coordinating purposes and this channel may not be suitable for other purposes.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.13****Series 6000 Channels****11.13.1****Availability**

A. Local Channels Schedule F— Channels or channel extensions within the same building, or between different buildings on the same premises are no longer available. Service arrangements for additional terminations within a building or to another building on the same premises installed before December 31, 1986 are furnished to existing customers at present locations only in the same or lesser quantities.

1. For all other channels, those channels within a program area where channels are furnished on a network between a studio and a distributing center, between a distributing center and a station or between distributing centers the total mileage is the sum of the local channel mileages.

11.13.2**Description**

A. Series 6000 channels are furnished for one-way program transmission in connection with loudspeakers and sound recording.

B. Type 6002 Schedule D provides for the occasional use of program transmission facilities, without special operation and supervision, for the transmission of audio material within a frequency range from approximately 200 to 3,500 cycles per second. Transmission limitations permit the satisfactory transmission of the above frequency range only over limited distances. This type covers the provision of interexchange channel facilities and services, including the necessary bridging connections.

C. Type 6003 Schedule C provides for the continuous use of program transmission facilities as described for Type 6002 preceding.

D. Type 6004 Schedule B provides for the occasional use of program transmission facilities, with special operation and supervision, for the transmission of program material within a frequency range from approximately 100 to 5,000 cycles per second. This type covers the provision of interexchange channel facilities and services, including such station connections as may be required.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.13.2, Cont'd****Description, Cont'd**

E. Type 6005 Schedule A provides for the continuous use of program transmission facilities as described for Type 6004.

F. Type 6006 Schedule BB provides for the provides for the occasional use of program transmission facilities, with special operation and supervision, for the transmission of program material within a frequency range from approximately 50 to 8,000 cycles per second. This type covers the provision of interexchange channel facilities and services, including such station connections as may be required.

G. Type 6007 Schedule AA provides for the continuous use of program transmission facilities as described for Type 6006.

H. Local Channels Schedule F provides for program transmission facilities within an exchange are between the following locations.

1. Two stations
2. The studio and the first distributing center or point of connection with an interexchange channel
3. Distributing centers
4. A distributing center and each station served therefrom.

11.13.3

Regulations The following regulations apply to Series 6000 channels furnished between points within each Local Access and Transport Area (LATA) in the Commonwealth of Massachusetts.

A. Provision of Facilities— All station equipment and station wiring, other than any equipment necessary for the suitable termination of the channel facilities on the premises of the customer and his patrons, must be provided by the customer or his patron.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.13.3, Cont'd****Regulations, Cont'd**

B. Connection with Telephone Services— Series 6000 channel facilities provided herein are the only channel facilities furnished by the Company for program transmission in connection with loudspeakers and sound recording. Facilities furnished in connection with exchange, MTS, or private line telephone services may neither be connected with program transmission channels nor be connected directly or indirectly with loudspeaker or sound recording equipment associated with program transmission channels. Channels furnished in connection with loudspeakers and sound recording may be interconnected with channels furnished in connection with radio broadcasting.

C. Connection with Other channels of the Company and with Channels of Others

1. Connections of channels may be made by a customer (or arranged for by a customer) at a studio or audit broadcasting transmitter, provided that the connections will not result in connection, either directly or indirectly, for through transmission of the Company interexchange channels with interexchange channels of others, except as specifically covered in this Product Guide and further provided, that no interference with or impairment of service rendered by the Company will result. Connection with the Company interexchange channels can be made by a customer only via local channels of the Company.

2. Local channels of the Company may be connected with interexchange channels of others when the channels operate on frequencies assigned for frequency modulation broadcasting (FM broadcast channels).

3. Program transmission channels in connection with loudspeakers may be interconnected at the Company premises to form a network for the distribution of program material to a number of loudspeaker locations. The points at which interconnection of such channels are made are called distributing centers.

4. Amplifying equipment provided by the customer and located at the customer's studio may be used to connect channels furnished under the various schedule classifications.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.13.4****Program Exchange Areas (PEA)**

A. PEAs (refer to Exhibit 11.13.4-1) denote the area served by an exchange except that the exchanges adjacent to Boston form a single area. In addition to the Boston area, the North Swansea, Rehoboth, Seekonk and Southgate exchange/localities in MA are included in the Providence, RI.

Exhibit 11.13.4-1

<u>Alpha Order</u>	<u>Program Exchange Areas (PEAs)</u>
A	Arlington
B	Belmont, Braintree, Brighton, Brookline
C	Cambridge, Canton, Central Exchange (Boston), Charlestown Chelsea, Cohasset
D	Dedham, Dorchester
E	East Boston, Everett
H	Hingham, Hull, Hyde Park
J	Jamaica Plain
L	Lexington, Lincoln
M	Malden, Medford, Melrose, Milton
N	Needham, Newton, Norwood
Q	Quincy
R	Randolph, Reading, Revere, Roxbury
S	Somerville, South Boston, Stoneham
W	Wakefield, Waltham, Watertown, Wellesley, Weymouth, Winchester,

11.13.5**Application of Rates and Charges**

A. Service charges apply in addition to all other applicable rates and charges for service and associated equipment.

B. The maximum charge applicable for occasional service within the period of one month is the charge for monthly service for similar grade facilities.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.14****Series 10000 Channels****11.14.1****Description**

A. Series 10000 channels are furnished to the customer by the Telephone Company for the purpose of extending communications systems to a premises of the customer or authorized user. Channels are furnished for half duplex or duplex operation on a two point basis.

B. Type 10001— Approximate bandwidth of 300 to 3,000 Hz. Furnished, to the extent permitted by the normal transmission characteristics of this grade of channel, for types of transmission similar to those set forth for Series 1000, 2000 and 3000 channels.

11.14.2**Regulations**

A. Type 10001 The customer's or authorized user's premises must be located 25 airline miles or less from the point at which the customer provided communications channel is connected to the Company entrance facility.

11.14.3**Application of Rates and Charges**

A. Rates and charges for entrance facilities (Type 10001) will be determined on a case-by-case basis.

11.15**Signaling Arrangements****11.15.1****Automatic Signaling**

A. Signaling is normally provided by hand generators which are furnished without additional charge. Line equipment at the central office where facilities permit, regardless of the type of termination may be used as a signal arrangement in lieu of a hand generator.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.16****Dataphone Select-A-Station Service (DSAS)****11.16.1****Definitions**

Data Station Selector (DSS)—A private line data switching device located in a Telephone Company central office which is capable of making connections between a four-wire input and up to 128 outputs, two-wire or four-wire, one at a time, under the control of the master station. DSS's are designated either primary or secondary.

Master Station—The master station comprises a customer provided terminal and a Selector Control Unit (SCU) located on the customer's premises. From this location, polling of each remote station is provided.

Primary Data Station Selector (PDSS)—A DSS which is connected to a SCU.

Remote Station—Any one of the many stations, located on a customer's premises, which can be polled from the master station via the associated DSS.

Secondary Data Station Selector (SDSS)—Any DSS connected to the PDSS that is arranged with the proper options.

Selector Control Unit (SCU)—The SCU is provided by the customer to transmit control signals to a DSS and/or receive supervisory signals from the DSS.

11.16.2**Description**

A. DSAS service is a multi-station, voice grade private line data service designed to establish point to-point connections between a master station and a number of remote stations, one at a time.

1. The order of connections made from the master station to remote stations may be either sequential (fixed) or addressable (under the control of the master station). Direct transmission between remote stations is not possible, nor is simultaneous communications from the master to more than one remote station possible.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.16.2, Cont'd****Description, Cont'd**

B. DSAS requires the use of equipment and Type 3002 channels provided herein.

C. DSAS is not designed to provide alternate voice-data transmission and this type of transmission is not supported. DC continuity between master and remote stations is not provided.

11.16.3**Service Arrangements**

A. DSAS arranged for sequential operation requires customer specification, prior to installation, of the order of connection from the DSS to the remote stations. The customer provided terminal equipment must be compatible with DSAS equipment. The customer also must specify one of the following sequential DSS options.

1. Automatic Step— A DSS arrangement in which the duration and order of connections are fixed.

2. Automatic Step With Reset— A DSS option in which the duration and order of connections are fixed, but the DSS resets to the beginning of the connection cycle upon command from the master station. A DSS with this option cannot be used as a PDSS in a tandem DSS arrangement.

3. Controlled Step— A DSS arrangement which allows the customer to have in- service control over the duration of the connection, however the order is fixed.

B. DSAS arranged for addressable operation provides a DSS arrangement in which the duration and order of connections are variables controlled by the master station.

11.17**Access Lines**

A. Access from the PDSS to the customer provided SCU is obtained through a Type 3002 channel. Full duplex rates and charges apply for the channel. In addition, one four-wire channel connection is required per PDSS to SCU.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.17, Cont'd****Access Lines, Cont'd**

B. Access to each SDSS from the PDSS is obtained through a Type 3002 channel. In addition, a four-wire channel connection is required at the PDSS and the SDSS.

C. Access to each remote station from the Primary or Secondary Data Station Selector is obtained through a Type 3002 channel. Full or half duplex rates and charges apply in addition to the two-wire or four-wire channel connection rates and charges.

11.17.1**Application of Rates and Charges**

A. Service charges apply in addition to the rates and charges for DSAS.

B. Change charges are applicable for changes from sequential operation to addressable operation, and, to change sequential options.

11.18**Airport Dial Telephone Service****11.18.1****Description**

A. Airport dial telephone service consists of dial switching equipment offered for the common use of airline companies and others located at Logan Airport.

B. The Company will furnish the necessary common dial switching equipment for use in connection with airport dial telephone service. Main and extension station lines may be furnished to other offices of those customers who have airport dial telephone service at the airport, or to agencies of the United States Government, who have a direct responsibility for aircraft operations. The Company's connecting equipment to be associated with common use privately owned paging service is included as an integral part of the service.

C. Other Telephone Company services and equipment that can be appropriately associated with airport dial telephone service will be offered at the rates and charges set forth elsewhere in this Product Guide.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.18.2****Regulations**

A. Carrying plant (such as poles and conduit, including trenching) required to provide directly routed main or extension station lines between buildings, within the airport boundaries, shall be customer owned. The carrying plant may be built by the customer or by the Telephone Company at the customer's expense.

11.18.3**Application of Rates and Charges**

A. Service charges apply as appropriate.

B. A minimum monthly charge for 125 main station lines is applicable to each system. Charges billed under this regulation will be prorated among customers of a system in proportion to the number of main station lines they have in-service.

C. In addition to the monthly rates for main station lines and extension station lines in another building, within the boundaries of the airport or when located outside the boundaries of the airport, when served by the Telephone Company's general distribution plant, channel rates and charges for a Type 2001A channels for a PBX main station line apply.

D. For lines from PBX systems, the channel facilities between the airport dial telephone service system and a PBX system are furnished at the rates and charges for Type 2001B channels (tie lines).

11.19**Private Line Channels Within Logan Airport****11.19.1**

Description Private line channels used in conjunction with telecommunications services may be provided between buildings within the boundaries of Logan Airport when Company's distribution cable located exclusively within the boundaries of Logan Airport.

11.19.2**Regulations**

A. These channels shall be furnished in accordance with the regulations in Section 1 and Section 2 above, for the type of channel requested.

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20****Rates**

1. Joint Use - Per month	\$13.04	(I)
2. Series 1000 Channels		
A. Type 1001		
Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$132.09	
Half duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$43.41	
Duplex channels between points in different buildings not on same premises - 2 point - Monthly – Each	\$48.03	
Channels between points in different buildings not on same premises - Additional points on the same circuit - NRC - Each	\$88.99	
Half duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$20.23	
Duplex channels between points in different buildings not on same premises – Additional points on the same circuit – Monthly - Each	\$23.94	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

A. Type 1001, Cont'd

Channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – NRC - Each	\$88.99	(I)
Half duplex channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – Monthly - Each	20.23	
Duplex channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office – Monthly – Each	23.94	
Half Duplex 2 point channel extended to an additional point in same building Monthly – Each	1.28	
Duplex 2 point channel extended to an additional point in same building – Monthly – Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

A. Type 1001, Cont'd

Half Duplex 2 point channel extended to an additional point same building – Monthly – Each	\$2.69	(I)
Duplex 2 point channel extended to another building on the same premises – 1 st point of termination – Monthly	5.35	
Half Duplex 2 point channel extended to another building on the same premises – Additional points in same building – Monthly – Each	1.28	
Duplex 2 point channel extended to another building on the same premises – Additional points in same building – Monthly – Each	2.69	
Half duplex channels between points within a building involving the same or different premises – 1 st 2 points – Monthly – Each	2.69	
Duplex channels between points within a building involving the same or different premises – 1 st 2 points – Monthly – Each	5.35	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

A. Type 1001, Cont'd

Half duplex channels between points within a building involving the same or different premises - Additional points in same building - Monthly - Each	\$1.28	(I)
Duplex 2 point channel extended to an additional point in same building – Monthly – Each	2.69	
Half Duplex 2 point channel extended to another building on the same premises – 1 st point of termination – Monthly – Each	2.69	
Duplex 2 point channel extended to another building on the same premises - 1st point of termination - Monthly – Each	5.35	
Half Duplex 2 point channel extended to another building on the same premises – Additional points in same building – Monthly – Each	1.28	
Duplex channels between points in different buildings on the same premises – Additional points in the same building – Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

A. Type 1001, Cont'd

Interexchange Half Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly	\$1.33	(I)
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Interexchange Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly	2.64	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont’d**11.20, Cont’d****Rates, Cont’d**Private Line Services, Cont’d

2. Series 1000 Channels, Cont’d

A. Type 1001, Cont’d

Intraexchange Half Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly 3.99 (I)

Intraexchange Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly 7.94 (I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002

Channels between points in different buildings not on same premises – 2 point – NRC – Each	\$132.09	(I)
Half duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$40.69	
Duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$48.03	
Channels between points in different buildings not on same premises - Additional points on the same circuit - NRC - Each	\$88.99	
Half duplex channels between points in different buildings on same premises – Additional points on the same circuit – Monthly – Each	\$20.23	
Duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$23.94	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – NRC – Each	\$88.99	(I)
Half duplex channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – Monthly – Each	\$20.23	
Duplex channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	\$23.94	
Half duplex 2 point channel extended to an additional point in same building – Monthly – Each	\$1.28	
Duplex 2 point channel extended to an additional point in same building – Monthly - Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Half duplex 2 point channel extended to another building on the same Monthly - Each	\$2.69	(I)
Duplex 2 point channel extended to another building on the same premises - 1st point of termination - Monthly – Each	\$5.35	
Half duplex 2 point channel extended to another building on the same premises - Additional points in same building - Monthly - Each	\$1.28	
Duplex 2 point channel extended to another building on the same premises - Additional points in same building – Monthly Each	\$2.69	
Half duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$5.35	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Duplex channels between points in different buildings on the same premises - Additional points in same building - Monthly - Each	\$2.69	(I)
Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile of fraction thereof - Monthly	\$1.33	
Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premise and the rate center or Telco central office, per ¼ airline mile of fraction thereof - Monthly	\$2.64	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Intraexchange Half Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly \$3.99 (I)

Intraexchange Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile or fraction thereof – Monthly \$7.94 (I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Local Channels - 1st channel per exchange - NRC	\$252.94	(I)
Half Duplex Local Channels - 1st channel per exchange - Monthly	\$35.59	
Duplex Local Channels - 1st channel per exchange - Monthly	\$37.01	
Additional local channels in same exchange on same circuit - NRC - Each	\$88.99	
Half Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$21.36	
Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$24.85	
Extension of a Type 1002 half duplex local channel to an additional point in the same building - Monthly - Each	\$1.28	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

B. Type 1002, Cont'd

Extension of a Type 1002 duplex local channel to an additional point in the same building - Monthly - Each	\$2.69	(I)
Extension of a Type 1002 half duplex local channel to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	
Extension of a Type 1002 duplex local channel to another building on the same premises - 1st point of termination - Monthly - Each	\$5.35	
Extension of a Type 1002 half duplex local channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$1.28	
Extension of a Type 1002 duplex local channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd2. Series 1000 Channels, Cont'd
C. Type 1005

Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$221.70	(I)
Half duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$48.03	
Duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$74.59	
Channels between points in different buildings not on same premises - Additional points on the same circuit - NRC - Each	\$130.58	
Half duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$24.10	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

C. Type 1005, Cont'd

Duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$37.38	(I)
Half Duplex 2 point channel extended to an additional point in same building - Monthly - Each	1.28	
Duplex 2 point channel extended to an additional point in same building - Monthly - Each	2.69	
Half duplex extended as a channel to another building on the same premises - 1st point of termination - Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

C. Type 1005, Cont'd

Duplex extended as a channel to another building on the same premises - 1st point of termination - Monthly - Each	\$5.35	(I)
Half duplex extended as a channel to another building on the same premises - Additional points in same building - Monthly - Each	\$1.28	
Duplex extended as a channel to another building on the same premises - Additional points in same building - Monthly - Each	\$2.69	
Half duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$5.35	
Half duplex channels between points within a building involving the same or different premises - Additional points in same building	\$1.28	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

C. Type 1005, Cont'd

Duplex channels between points within a building involving the same or different premises - Additional points in same building	\$2.69	(I)
Half duplex channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	2.69	
Intraexchange Duplex channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	5.35	
Half duplex channels between points in different buildings on the same premises - Monthly - Additional points in same building	1.28	
Duplex channels between points in different buildings on the same premises - Monthly - Additional points in same building	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile of fraction thereof - Monthly	\$1.33	(I)
Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per ¼ airline mile of fraction thereof - Monthly	\$2.64	
Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$3.99	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$7.94	(I)
Local Channels - 1st channel per exchange - NRC	\$361.30	
Half Duplex Local Channels - 1st channel per exchange - Monthly	\$36.65	
Duplex Local Channels - 1st channel per exchange - Monthly	\$49.91	
Additional local channels in same exchange on same circuit - NRC - Each	\$130.58	
Half Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$24.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

C. Type 1005, Cont'd

Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$37.38	(I)
Extension of a Type 1005 half duplex local channel to an additional point in the same building - Monthly - Each	\$1.28	
Extension of a Type 1005 duplex local channel to an additional point in the same building - Monthly - Each	\$2.69	
Extension of a Type 1005 half duplex local channel to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	
Extension of a Type 1005 duplex local channel to another building on the same premises - 1st point of termination - Monthly - Each	\$5.35	
Extension of a Type 1005 half duplex local channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$1.28	
Extension of a Type 1005 duplex local channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

D. Type 1006

Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$221.70	(I)
Half duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$48.03	
Duplex channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$74.59	
Channels between points in different buildings not on same premises - Additional points on the same circuit - NRC - Each	\$130.58	
Half duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$24.10	
Duplex channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$37.38	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd2. Series 1000 Channels, Cont'd
D. Type 1006, Cont'd

Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - NRC - Each	\$130.58	(I)
Half duplex channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	\$24.10	
Duplex channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	\$37.38	
Half duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Duplex channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$5.35	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd2. Series 1000 Channels, Cont'd
D. Type 1006, Cont'd

Half duplex channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$2.69	(I)
Duplex channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$5.35	
Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office, per $\frac{1}{4}$ airline mile of fraction thereof - Monthly	\$1.33	
Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate centers or Telco central office, per $\frac{1}{4}$ airline mile of fraction thereof - Monthly	\$2.64	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

D. Type 1006, Cont'd

Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$3.99	(I)
Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$7.94	
Extension of Type 1006 half duplex channels with additional termination within a building or to another building on same premises - Extended to an additional point in same building - Monthly - Each	\$1.28	
Extension of Type 1006 duplex channels with additional termination within a building or to another building on same premises - Extended to an additional point in same building – Ea.	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

D. Type 1006, Cont'd

Extension of Type 1006 half duplex channels with additional termination within a building or to another building on same premises - Extended to another building on same premises - 1st point of termination - Monthly	\$2.69	(I)
Extension of Type 1006 duplex channels with additional termination within a building or to another building on same premises - Extended to another building on same premises - 1st point of termination - Monthly	\$5.35	
Local Channels - 1st channel per exchange - NRC	\$361.30	
Half Duplex Local Channels - 1st channel per exchange - Monthly	\$36.65	
Duplex Local Channels - 1st channel per exchange - Monthly	\$49.91	
Local Channels - Additional local channels in same exchange on same circuit - NRC - Each	\$130.58	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

2. Series 1000 Channels, Cont'd

D. Type 1006, Cont'd

Half Duplex Local Channels - Additional local channels in same exchange on same circuit - Monthly - Each	\$24.69	(I)
Duplex Local Channels - Additional local channels in same exchange on same circuit - Monthly - Each	37.38	
Mileage Between Rate Centers - Half duplex channels - First 9 airline miles - Monthly - Each	4.81	
Mileage Between Rate Centers - Duplex channels - First 9 airline miles - Monthly - Each	4.81	
Mileage Between Rate Centers - Half duplex channels - Beyond the first 9 miles - Monthly - Each	2.71	
Mileage Between Rate Centers - Duplex channels - Beyond the first 9 miles - Monthly - Each	2.71	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd2. Series 1000 Channels, Cont'd
E. Alternate Use – 1005 Channels

Teletypewriter and remote metering, supervisory control and miscellaneous signaling, when use includes connection of punched card equipment - Up to 75 baud - Monthly - Per station	\$19.86	(I)
Teletypewriter and remote metering, supervisory control and miscellaneous signaling all other cases - Up to 75 baud - Monthly - Per station	\$0.13	
Teletypewriter and Data - Up to 75 baud - Monthly - Per station	\$19.86	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001

Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$221.70	(I)
Channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$51.28	
2001A PBX - Main or extension station lines - Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$486.58	
2001A PBX - Main or extension station lines - Channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$53.53	
2001B - Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$529.84	
2001B - Channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$92.16	
Bridged Main Telephone Line - NRC - Per point bridged, per line	\$81.33	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

Bridged Main Telephone Line - Monthly	\$25.65	(I)
Channels between points in different buildings not on same premises - Additional points on same circuit - NRC	\$130.58	
Channels between points in different buildings not on same premises - Additional points on same circuit - Monthly - Each	\$24.10	
2001A PBX - Main or extension lines - Channels between points in different buildings not on same premises - Additional points on same circuit - NRC	\$259.16	
2001A PBX - Main or extension lines - Channels between points in different buildings not on same premises - Additional points on same circuit - Monthly - Each	\$23.31	
Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - NRC - Each	\$130.58	
		(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	\$24.10	(I)
2001 - Extended as a channel to an additional point in same building - Monthly - Each	\$1.28	
2001 - Extended as a channel to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	
2001A - Extension lines between main building and other buildings on same continuous property of 1 customer - Extension of a key telephone (or nonkey with control features) from the same key telephone system - NRC - Per line	\$47.28	
2001A - Extension lines between main building and other buildings on same continuous property of 1 customer - Extension of a key telephone (or nonkey with control features) from the same key telephone system - Monthly - Per line	\$5.35	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001A - Extension lines between main building and other buildings on same continuous property of 1 customer, utilizing Telco carrying plant, other than that constructed along public way, on same continuous property which is being provided for other purposes - Monthly - Each channel portion between buildings	\$2.69	(I)
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2001A - Extension lines between main building and other buildings on same continuous property of 1 customer, utilizing Telco carrying plant, other than that constructed along public way, on same continuous property which is being provided for other purposes - Extension of a key telephone (or nonkey with control features) from the same key telephone system - NRC - Per line	47.28	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001A - Extension lines between main building and other buildings on same continuous property of 1 customer, utilizing Telco carrying plant, other than that constructed along public way, on same continuous property which is being provided for other purposes - Extension of a key telephone (or nonkey with control features) from the same key telephone system - Monthly - Per line	\$8.04	(I)
2001A - Extension line, from customer's service to a secretarial service board, or to answering location in same building where line terminates in a multi-line telephone of another customer - Monthly - Each	2.69	
2001 - Between points within a building involving same or different premises - 1st 2 points - Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001B - Channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$2.69	(I)
2001 - Channels between points in different building not on same premises building on the same premises - Additional points extended in same building - Monthly - Each	\$1.28	
2001 - Channels between points within a building involving same or different premises - Additional points in same building - Monthly - Each	\$1.28	
2001 - Channels between points in different buildings on same premises - Additional points in same building - Monthly - Each	\$1.28	
2001 - 2 point channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Monthly - Per ¼ airline mile of fraction thereof,	1.33	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001 - 2 point channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises or between a customers premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$3.99	(I)
2001A PBX - 2 point channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises - Monthly - Per ¼ airline mile of fraction thereof, each	1.33	
2001A PBX - 2 point channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises - Minimum monthly rate, each channel	3.99	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001B - 2 point channels - Lines in excess of 10 - Between same 2 points based on a direct airline measurement between points of termination - Between different buildings not on same premises - Per ¼ airline mile or fraction thereof, each	\$1.33	(I)
2001B - 2 point channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises - Minimum monthly rate, each channel	3.99	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001 - Local Channels - 1st channel per exchange - NRC	\$361.30	(I)
2001 - Local Channels - 1st channel per exchange - Monthly	\$37.00	
2001A - Bridged main line - NRC	\$433.73	
2001A - Bridged main line - Monthly	\$61.71	
2001A PBX - Main or extension station lines - Local Channels - 1st channel per exchange - NRC	\$394.83	
2001A PBX - Main or extension station lines - Local Channels - 1st channel per exchange - Monthly	\$45.66	
2001B - Local Channels - 1st channel per exchange - NRC	433.95	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

A. Type 2001, Cont'd

2001B - Local Channels - 1st channel per exchange - Monthly	\$67.66	(I)
2001 - Additional local channels in same exchange on same circuit - NRC	\$130.58	
2001 - Additional local channels in same exchange on same circuit - Monthly - Each	\$24.69	
2001 - Extension to an additional point in the same building - Monthly - Each	\$1.28	
2001 - Extension to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	
2001 - Extension to another building on the same premises - Additional points in the same building - Monthly - Each	\$2.69	
2001A PBX - Main or extension station lines - Additional local channels in same exchange on same circuit - NRC	\$259.16	
2001A PBX - Main or extension station lines - Additional local channels in same exchange on same circuit – Monthly - each	\$23.31	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

B. Type 2002

Channels between points in different building not on same premises - 2 point	\$182.71	(I)
Channels between points in different building not on same premises - 2 point	\$48.50	
Channels between points in different buildings not on same premises – Additional points on same circuit - NRC	\$114.31	
Channels between points in different buildings not on same premises – Additional points on same circuit – Mon.	\$24.10	
Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - NRC - Each	\$114.31	
Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	\$24.10	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

B. Type 2002, Cont'd

Channel extended to an additional point in same building - Monthly - Each	\$1.28	(I)
Channel extended to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	
Channels between points within a building involving same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$2.69	
Channels between points in different building not on same premises - Extension of channel to another building on the same premises - Additional points in same building - Monthly - Each	\$1.28	
Channels between points within a building involving same or different premises - Additional points in same building - Monthly - Each	\$1.28	
Channels between points in different buildings on same premises - Additional points in same building - Monthly - Each	\$1.28	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

B. Type 2002, Cont'd

2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises or between a customer premises and the rate center or Telco central office - Monthly - Per ¼ airline mile or fraction thereof, each	\$1.33	(I)
2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measurement between points of termination - Between different buildings not on same premises or between a customer premises and the rate center or Telco central office - Monthly - Minimum monthly rate, each channel	\$3.99	
Local Channels - 1st channel per exchange - NRC	\$366.59	
Local Channels - 1st channel per exchange - Monthly	\$36.65	
Additional local channels in same exchange on same circuit - NRC - Each	\$114.31	
Additional local channels in same exchange on same circuit - Monthly - Each	\$24.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

C. Type 2006, Cont'd

2006A - 2 point interoffice channel - NRC - Each	\$325.00	(I)
2006A - 2 point interoffice channel - Monthly - Each	\$25.00	
Channel Terminals - 1st 2 exchanges - NRC - Per exchange, each	\$267.86	
Channel Terminals - 1st 2 exchanges - Monthly - Per exchange, each	\$25.28	
Local channels to serve a customer's location in a 3rd exchange - NRC - Each	\$433.73	
Local channels to serve a customer's location in a 3rd exchange - Monthly - Each	\$51.83	
Mileage Between Rate Centers - First 9 airline miles - Monthly - Each	\$4.81	
Mileage Between Rate Centers - Beyond the first 9 miles - Monthly - Each	\$2.71	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd3. Series 2000 Channels, Cont'd
D. Signaling Arrangement

Type A for use with Type 2001A PBX main or extension station lines - Monthly	\$18.39	(I)
Type B for use with Type 2001A PBX main or extension station lines - Monthly	\$18.39	
Type C for use with Type 2001A PBX main or extension station lines - Monthly	\$18.39	
E&M signaling for use with Type 2001B channels - Monthly - Each	\$9.19	
Type A for use with Type 2001A PBX main or extension station lines - Monthly	\$9.19	
Type B for use with Type 2001A PBX main or extension station lines - Monthly	\$9.19	
Type C for use with Type 2001A PBX main or extension station lines - Monthly	\$9.19	
E&M signaling for use with Type 2001B channels - Monthly - Each	\$9.19	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

3. Series 2000 Channels, Cont'd

E. Alternate Use

Voice and Data - Up to 75 baud - Monthly - Per station connected	\$19.86	(I)
Voice and Remote Metering, Supervisory Control and Miscellaneous Signaling - Up to 150 baud - Monthly - Per station	\$0.13	
Voice and Remote Operation and Control of Mobile Radiotelephone Systems - Monthly - Per station	\$0.13	
Voice and Teletypewriter - Up to 150 baud - Monthly - Per station	\$19.86	
Voice Private Line Service - Arrangement to switch from private line to foreign exchange, at each of the 2 service points - Automatic - Monthly	\$7.01	
Type 2001 Channels Voice Private Line Service - Arrangement to switch from private line to foreign exchange, at each of the 2 service points - Manual - Monthly	\$6.14	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001

Channels between points in different buildings not on same premises - 2 point - NRC - Each	\$509.75	(I)
Half Duplex – Channels between points in different buildings not on same premise – 2 point – Monthly – Each	\$48.03	
Duplex – Channels between points in different buildings non on same premise – 2 point – Monthly Each	\$74.59	
Channels between points in different buildings not on same premises – Additional points on the same circuit – NRC – Each	\$270.41	
Half Duplex – Channels between points in different buildings not on same premises – Additional points on the same circuit – Monthly – Each	\$24.10	
Duplex – Channels between points in different buildings not on same premises – Additional points on the same circuit – Monthly – Each	\$37.38	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
A. Type 3001, Cont'd

Channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office– NRC – Each	\$270.41	(I)
Half Duplex – Channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – Monthly – Each	\$24.10	
Duplex – Channels between points in different buildings not on same premises – 2 point channels between a customer premises and rate center or Telco central office – Each	\$37.38	
Half Duplex – Extended as a channel to an additional point in same building – Monthly – Each	\$1.28	
Full Duplex – Extended as a channel to an additional point in same building – Monthly – Each	\$2.69	
Half Duplex – Extended as a channel to another building on the same premises - 1st point of termination - Monthly - Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001, Cont'd

Duplex – Extended as a channel to another building on the same premises – 1 st point of termination – Monthly – Each	\$5.35	(I)
Half Duplex - Channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Duplex - Channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$5.35	
Half Duplex - Channels between points in different buildings on the same premises – Monthly – Each channel portion between buildings	\$2.69	
Duplex – Channels between points in different buildings on the same premises – Monthly – Each channel portion between buildings	\$5.35	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001, Cont'd

Half Duplex - Channels to extend a channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$1.28	(I)
Duplex - Channels to extend a channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$2.69	
Half Duplex - Channels between points within a building involving the same or different premises - Additional points in same building - Monthly - Each	\$1.28	
Duplex - Channels between points within a building involving the same or different premises - Additional points in same building - Monthly - Each	\$2.69	
Half Duplex - Channels between points in different buildings on the same premises - Additional points in the same building - Monthly - Each	\$1.28	
Duplex - Channels between points in different buildings on the same premises - Additional points in the same building - Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001, Cont'd

Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customer premises and rate center or Telco central office - Per ¼ airline mile or fraction thereof each	\$1.33	(I)
Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – Monthly - Per ¼ airline mile or fraction thereof, each	\$2.64	
Half Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – Minimum monthly rate, each channel	\$3.99	

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001, Cont'd

Duplex 2 Point Channels - Lines in excess of 10 – Between same 2 points based on direct airline measure Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – monthly rate, each	\$7.94	(I)
Local Channels - 1st channel per exchange - NRC	\$366.24	
Half Duplex Local Channels - 1st channel per exchange - Monthly	\$36.65	
Duplex Local Channels - 1st channel per exchange - Monthly	\$49.91	
Additional local channels in same exchange on same circuit - NRC - Each	\$270.41	
Half Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$24.69	
Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$37.93	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

4. Series 3000 Channels, Cont'd

A. Type 3001, Cont'd

Extension of a half duplex local channel to an additional point in the same building – Monthly Each	\$1.28	(I)
Extension of a duplex local channel to an additional point in the same building – Monthly Each	\$2.69	
Extension of a half duplex local channel to another building on the same premises – 1 st point of termination – Monthly – Each	\$2.69	
Extension of a duplex local channel to another building on the same premises – 1 st point of termination – Monthly each	\$5.35	
Extension of a half duplex local channel to another building on the same premises – Additional points in the same building – Monthly – Each	\$1.28	
Extension of a duplex local channel to another building on the same premises = Additional points in the same building – Monthly – Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002

Channels between points in different buildings not on same premises – 2 point – NRC – Each	\$509.75	(I)
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Half Duplex - Channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$93.46	(I)
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Duplex - Channels between points in different buildings not on same premises - 2 point - Monthly - Each	\$93.46	(I)
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Channels between points in different buildings not on same premises - Additional points on the same circuit - NRC - Each	\$270.41	(I)
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Half Duplex - Channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$36.05	(I)
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Duplex - Channels between points in different buildings not on same premises - Additional points on the same circuit - Monthly - Each	\$38.48	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont’d**11.20, Cont’d****Rates, Cont’d**Private Line Services, Cont’d

4. Series 3000 Channels, Cont’d

B. Type 3002, Cont’d

Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - NRC - Each	\$270.41	(I)
Half Duplex - Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	36.05	
Duplex - Channels between points in different buildings not on same premises - 2 point channels between a customer premises and rate center or Telco central office - Monthly - Each	38.48	
Half Duplex - Extended as a channel to an additional point in same building - Monthly - Each	1.28	
Duplex - Extended as a channel to an additional point in same building - Monthly - Each	2.69	
Half Duplex - Extended as a channel to another building on the same premises - 1st point of termination - Monthly – Ea.	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Duplex - Extended as a channel to another building on the same premises - 1st point of termination - Monthly – Ea.	\$5.35	(I)
Half Duplex - Channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$2.69	
Duplex - Channels between points within a building involving the same or different premises - 1st 2 points - Monthly - Each	\$5.35	
Half Duplex - Channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$2.69	
Duplex - Channels between points in different buildings on the same premises - Monthly - Each channel portion between buildings	\$5.35	
Half Duplex - Channels to extend a channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$1.28	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Duplex - Channels to extend a channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$2.69	(I)
Half Duplex - Channels between points within a building involving the same or different premises - Additional points in same building - Monthly - Each	\$1.28	
Duplex - Channels between points within a building involving the same or different premises - Additional points in same building - Monthly - Each	\$2.69	
Half Duplex - Channels between points in different buildings on the same premises - Additional points in the same building - Monthly - Each	\$1.28	
Duplex - Channels between points in different buildings on the same premises - Additional points in the same building - Monthly - Each	\$2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – Monthly - Per ¼ airline mile or fraction thereof, each

\$1.33

(I)

Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – Monthly - Per ¼ airline mile or fraction thereof, each

2.64

Half Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination - Between different buildings not on same premises or between a customer premises and the rate center or Telco central office – Minimum monthly rate, each channel

3.99

(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Duplex 2 Point Channels - Lines in excess of 10 - Between same 2 points based on direct airline measure between points of termination – Between different buildings not on same premises or between a customer premises and the rate center or Telco central office - Minimum monthly rate, each channel	\$7.94	(I)
Local Channels - 1st channel per exchange - NRC	\$395.94	
Half Duplex Local Channels - 1st channel per exchange - Monthly	\$64.66	
Duplex Local Channels - 1st channel per exchange - Monthly	\$64.66	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Additional local channels in same exchange on same circuit - NRC - Each	\$270.41	(I)
Half Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$36.05	
Duplex - Additional local channels in same exchange on same circuit - Monthly - Each	\$38.48	
Half Duplex - Extension of a local channel to an additional point in the same building - Monthly - Each	\$1.28	
Duplex - Extension of a local channel to an additional point in the same building - Monthly - Each	2.69	
Half Duplex - Extension of a local channel to another building on the same premises - 1st point of termination - Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
B. Type 3002, Cont'd

Duplex - Extension of a local channel to another building on the same premises - 1st point of termination - Monthly - Each	\$5.35	(I)
Half Duplex - Extension of a local channel to another building on the same premises - Additional points in the same building - Monthly - Each	\$1.28	
Duplex - Extension of a local channel to another building on the same premises - Additional points in the same building - Monthly - Each	2.69	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
C. Mileage

Mileage Between Rate Centers - Duplex channels - First 9 airline miles - Monthly - Each	\$4.81	(I)
Mileage Between Rate Centers - Half duplex channels - First 9 airline miles - Monthly - Each	\$4.81	
Mileage Between Rate Centers - Half duplex channels - Beyond the first 9 miles - Monthly - Each	\$2.71	
Mileage Between Rate Centers - Duplex channels - Beyond the first 9 miles - Monthly - Each	\$2.71	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd4. Series 3000 Channels, Cont'd
D. Conditioning

Type C1 - NRC - Per exchange	\$90.63	(I)
Type C1 - Monthly - Per exchange	\$35.78	
Type C2 - NRC - Per exchange	\$90.63	
Type C2 - Monthly - Per exchange	\$71.56	
Type D1 - NRC - Per two point channel	\$149.41	
Type D1 - Monthly - Per two point channel	\$13.74	

E. Bridging

Intraexchange Channels Monthly - Each point	\$26.69	
Intraexchange Channels Monthly - Each point	\$26.69	

F. Alternate Use

Type 3001 or 3002 Remote Metering Voice and Data – Monthly, per station	\$0.13	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd5. Series 5000 Channels
A. Base Capacity

Type 5500 Per airline mile, per month	\$45.35	(I)
Type 5600 Per airline mile, per month	\$58.78	
Type 5700 Per airline mile, per month	\$79.23	
Type 5800 Per airline mile, per month	\$209.56	
B. Service Terminals		
Wideband Channel Type 5501 - NRC	\$447.26	
Wideband Channel Type 5501 – Monthly	536.71	
Wideband Channel Type 5502 - NRC	357.80	
Wideband Channel Type 5502 - Monthly	753.96	
Channels of a Lesser Capacity - Data - Type 5302 - NRC	242.80	
Channels of a Lesser Capacity - Data - Type 5302 - Monthly	36.29	
Channels of Lesser Capacity - Data - Type 5302 - Second or subsequent station in an exchange or any individual service – NRC - Per service terminal	23.63	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

5. Series 5000 Channels, Cont'd

B. Service Terminals, Cont'd

Channels of Lesser Capacity - Data - Type 5302 - Second or subsequent station in an exchange or any individual service – Monthly - Per service terminal	\$11.50	(I)
Channels of Lesser Capacity – Teletypewriter - Type 5102 - NRC	135.45	
Service Terminals Channels of Lesser Capacity - Teletypewriter - Type 5102 - Monthly	36.29	
Channels of Lesser Capacity - Teletypewriter - Types 5105 and 5106 - NRC	190.40	
Channels of Lesser Capacity - Teletypewriter - Types 5105 and 5106 - Monthly	36.29	
Channels of Lesser Capacity - Teletypewriter Types 5102, 5105 and 5106 – Second or subsequent station in an exchange or any individual service - NRC - Per service terminal	23.63	
Channels of Lesser Capacity - Teletypewriter Types 5102, 5105 and 5106 - Second or subsequent station in an exchange or any individual service - Monthly - Per service terminal	11.50	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

5. Series 5000 Channels, Cont'd

B. Service Terminals, Cont'd

Channels of Lesser Capacity - Voice Types 5201, 5201A, 5201B, 5202 and 5301 - NRC	\$190.40	(I)
Channels of Lesser Capacity - Voice Types 5201, 5201A, 5201B, 5202 and 5301 - Monthly	\$36.29	
Channels of Lesser Capacity - Voice Type 5206 - NRC	\$172.51	
Service Terminals Channels of Lesser Capacity - Voice Type 5206 - Monthly	\$36.29	
Channels of Lesser Capacity - Voice Types 5201, 5201A, 5201B, 5202, 5206 and 5301 - Second or subsequent station in an exchange or any individual service - NRC - Per service terminal	\$23.63	
Service Terminals Channels of Lesser Capacity - Voice Types 5201, 5201A, 5201B, 5202, 5206 and 5301 - Second or subsequent station in an exchange or any individual service - Monthly - Per service terminal	\$11.50	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

5. Series 5000 Channels, Cont'd

C. Alternate Use

12 Voice Channels/Equivalent - Monthly	\$53.66	(I)
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Types Greater Than 5500 60 Voice Channels/Equivalent - Monthly	\$61.98	(I)
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6. Series 6000 Channels

A. 6003 Type

Monthly Service - Mileage – Per airline mile, per month	8.30	(I)
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Monthly Service – Bridging Connection – Per month, each	42.16	(I)
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B. 6007 Type

Monthly Service - Mileage - Per airline mile, per month	19.48	(I)
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Monthly Service - Station connection - Per month, each	309.25	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

6. Series 6000 Channels, Cont'd

C. Equalization and Installation

	NRC - One or two channels between the same points and equalized at the same time	\$23.63	(I)
	Installation		
	NRC - Per channel	23.63	
	D. Mileage		
	Mileage Charge – For channel or extension within same building – Monthly – Per channel	\$3.19	
	Mileage Charge – For channel or extension between different buildings on same premises – Monthly – Per ¼ mile, or fraction thereof, per channel	3.19	
	All other channels – Non-equalized – Per month, 1 st ¼ mile	9.25	
	All other channels – Non-equalized – Per month, each additional ¼ mile	3.19	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

6. Series 6000 Channels, Cont'd

D. Mileage, Cont'd

All Other Channels - Equalized - 100-5000 cycles - Per month, 1st ¼ mile	\$9.90	(I)
All Other Channels - Equalized - 100-5000 cycles - Per month, each additional ¼ mile	\$3.89	
All Other Channels - Equalized - 100-5000 cycles - One week or less, 1st ¼ mile	\$4.85	
All Other Channels - Equalized - 100-5000 cycles - One week or less, each additional ¼ mile	\$1.85	
All Other Channels - Equalized - 50-8000 cycles - Per month, 1st ¼ mile	\$9.90	
All Other Channels - Equalized - 50-8000 cycles - Per month, each additional ¼ mile	\$4.08	
All Other Channels - Equalized - 50-8000 cycles - One week or less, 1st ¼ mile	\$5.04	
All Other Channels - Equalized - 50-8000 cycles - One week or less, each additional ¼ mile	\$2.04	
All Other Channels - Equalized - 50-15000 cycles - Per month, 1st ¼ mile	\$10.74	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

6. Series 6000 Channels, Cont'd

D. Mileage, Cont'd

All Other Channels - Equalized - 50- 15000 cycles - Per month, each additional ¼ mile	\$4.85	(I)
All Other Channels - Equalized - 50- 15000 cycles - One week or less, 1st ¼ mile	\$5.43	
All Other Channels - Equalized - 50- 15000 cycles - One week or less, each additional ¼ mile	\$2.41	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

7. Distributing Center

Establishment NRC	\$357.80	(I)
Per channel connected to a distributing center, per month	\$5.24	
Connecting Arrangements Minimum monthly charge	\$26.19	
Installation - NRC	\$44.73	
Bridging Arrangements Per station connected to a channel, per month	\$2.61	
8. Automatic Signaling		
Line Equipment at Central Office Monthly - Per building	9.01	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd9. Dataphone Select A Station Service
A. Primary Data Station

Addressable Arrangement - Common equipment - NRC	\$2,134.08	(I)
Addressable Arrangement - Common equipment - Monthly	\$217.24	
Channel Connections - NRC - Per 2 wire channel connected	\$10.21	
Channel Connections - Monthly - Per 2 wire channel connected	\$2.49	
Channel Connections - NRC - Per 4 wire channel connected	\$43.45	
Channel Connections - Monthly - Per 4 wire channel connected	\$15.65	
Sequential Arrangement - Common equipment - NRC	\$2,012.69	
Sequential Arrangement - Common equipment - Monthly	\$159.73	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

9. Dataphone Select A Station Service

Addressable Arrangement - Common equipment - NRC	\$2,134.08	(I)
Addressable Arrangement - Common equipment - Monthly	\$217.24	
Channel Connections - Monthly - Per 1 wire channel connected	\$10.21	
Channel Connections - Monthly - Per 2 wire channel connected	\$2.49	
Channel Connections - NRC - Per 4 wire channel connected	\$43.45	
Channel Connections - Monthly - Per 4 wire channel connected	\$15.65	
Sequential Arrangement - Common equipment - NRC	\$2,012.69	
Secondary Data Station Selector Sequential Arrangement - Common equipment - Monthly	\$159.73	
Sequential to Addressable - For each Data Selection Selector (primary or secondary) - NRC	\$1,118.15	(I)

SECTION 11 – PRIVATE LINE SERVICES, Cont'd**11.20, Cont'd****Rates, Cont'd**Private Line Services, Cont'd

10. Airport Services

A. Main Station Lines

In same building as the dial switching equipment - Monthly - Each	\$7.88	(I)
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In another building within the boundaries of the airport, on a direct routed basis - Monthly - Each	\$10.61	
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In another building within the boundaries of the airport or when located outside the airport boundaries, when served by the Telco's general distribution plant - Monthly - Each	\$7.88	
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B. Extension Station Lines

In same building as its associated main station - Monthly - Each	\$3.28	
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In a building other than the location of its associated main station line but within airport boundaries, on a direct routed basis - Monthly - Each line	\$5.76	
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In another building within the boundaries of the airport or when located outside the airport boundaries, when served by the Telco's general distribution plant - Monthly - Each	\$3.28	
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C. Lines from PBX Systems

Per dial termination, per month	28.49	(I)
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SECTION 11 – PRIVATE LINE SERVICES, Cont'd

11.20, Cont'd

Rates, Cont'd

Private Line Services, Cont'd

10. Airport Services

D. Private Line Channels Within Logan Airport

Series 1000 Half Duplex - Monthly - Each	\$2.69	(I)
Series 1000 Duplex - Monthly - Each	\$5.35	
Series 2000 Channel Pairs - Monthly - Each	\$2.69	
Series 3000 Half Duplex - Monthly - Each	\$2.69	
Series 3000 Duplex Channels - Monthly - Each	\$5.35	(I)

SECTION 12 – DIGITAL DATA SERVICES (DDS)

12.1 Digital Data Services - General

Rates and charges for services explained herein are contained in paragraph 12.21.

12.2 Definitions

Baseband Facility—A transition facility which utilizes neither carrier nor multiplexer equipment.

Bit—The smallest unit of information in the binary system of notation.

Channel—A path (or paths) for digital transmission, between two or more principal Company central offices. A channel may be furnished in such a manner as the Company may elect, whether by wire, radio or a combination thereof.

Digital Access Line—A path for digital transmission furnished within the serving area of a digital city between the principal Company central office and the premises of the customer or authorized user.

Digital City—The city in which a principal Company central office is located and serves a specific geographic area for DDS.

Digital City Rate Center—A specified geographical location in a digital city from which mileage measurements are determined for the application of digital access line and channel mileage rates.

Digital City Serving Area—A specific geographic area served by a digital city.

Principal Company Central Office—The central office in the digital city to which digital access lines of the digital city serving area are routed and where access is provided to such lines and associated equipment for testing purposes.

Station—When used in connection with DDS denotes a point on a customer's or authorized user's premises at which a digital access line is terminated.

SECTION 12 – DIGITAL SERVICES, Cont’d**12.3 Availability**

A. DDS is available only to customers with service connected prior to November 15, 1991, and is available to such customers for additions, changes or rearrangements to existing systems to meet growth and maintenance requirements.

12.4 Description

A.

DDS is a service for the transmission of digital signals using only digital transmission facilities. DDS provides transmission paths in the digital city serving areas of Boston, Worcester, and Springfield.

1. DDS provides for the simultaneous two-way transmission (duplex operation) of digital signals at synchronous speeds of 2.4, 4.8, 9.6, or 56 kilobits per second (kbps) within a Local Access and Transport Area (LATA) and between stations within or between digital city serving areas.

2. DDS as furnished under this Product Guide is available where facilities permit and only to stations located in specific geographic areas in the digital city serving areas.

3. Two point channels are required for digital transmission between digital city serving areas.

B.

1. Service Options

Two Station Service— This offering may consist of digital access lines furnished in the same digital city serving area for service between two stations, or, one two-point channel furnished between digital cities for service where one station is located in the serving area of each such city and connected to the channel by means of a digital access line.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.4 Description, Cont'd****2.**

- a. Digital access lines furnished in the same digital city serving area for service among three or more stations
- b. One two point channel furnished between digital cities for service where more than one station is located in the serving area of one or both such cities and each station is connected to the channel by means of a digital access line, or
- c. Two or more two point channels furnished between digital cities for service where one or more stations are located in the serving area of each such city and each station is connected to the channel by means of a digital access line.

C.

Furnishing of Service— The furnishing of service under this Product Guide requires certain physical arrangements of equipment and facilities of the Telephone Company. Therefore, the furnishing of DDS is subject to the availability of equipment, facilities and technical limitations. DDS is furnished only within a LATA.

1. The service is furnished for duplex operation on a 24 hour per day, seven day per week basis.

D.**Service Components**

1. Digital Access Lines— Stations which are normally served by means of baseband transmission from the principal Company central office require a Type 1 digital access line. Stations outside the serving range of baseband transmission from the principal Company central office require a Type 2 digital access line. The types of digital access lines offered for transmission in the digital city serving area are as follows.

2. Type 1— Digital access lines furnished for digital transmission at synchronous speeds of 2.4, 4.8, 9.6 or 56 kbps to serve stations normally by means of baseband transmission from the principal Company central office.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.4 Description, Cont'd****D. Service Components, Cont'd**

2. Type 2— Digital access lines furnished for digital transmission at synchronous speeds of 2.4, 4.8, 9.6 or 56 kbps to serve stations outside the normal serving range of baseband transmission from the principal Company central office.

B.

Data Service Unit— This unit is required at a customer's or authorized user's premises to perform such functions as proper coding and decoding of signals, timing recovery, synchronous sampling, formatting, and generation and recognition of control signals.

C.

Channel Service Unit functionality equipment is required for each digital access line at a customer's or authorized user's premises to perform the following:

1. Proper termination of DDS
2. Regeneration of signals
3. Recognition and correction of signal format errors
4. Remote loop back

D.

Channels Between Digital City Serving Areas— The types of channels offered for transmission between digital city serving area are as follows.

1. Channels furnished for digital transmission at synchronous speeds of 2.4, 4.8, 9.6 or 56 kbps.

SECTION 12 – DIGITAL SERVICES, Cont’d**12.5 Liability****A.**

The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission occurring in the course of furnishing service and not caused by the negligence of the customer or authorized user, or of the Company in failing to maintain proper standards of maintenance and operation and to exercise reasonable supervision shall in no event exceed an amount equivalent to the proportionate charge to the customer for the period of service during when such mistake, omission, interruption, delay or error or defect in transmission occurs.

B.

The Company does not guarantee nor make any warranty with respect to equipment provided by it for use in an explosive atmosphere. The customer or authorized user indemnifies and holds the Company harmless from any and all loss, claims, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted or asserted by the customer or authorized user or by any other party or person, for any personal injury to or death of any person or persons, and for any loss, damage, destruction of any property, whether owned by the customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of said equipment so provided.

C.

The Company may require each customer or authorized user to sign an agreement for the furnishing of such equipment as a condition precedent to the furnishing of such equipment.

D.

The Company is not liable for any defacement of or damage to the premises of a customer or authorized user, resulting from the furnishing of channel facilities by the Company on such premises or by the installation or removal thereof when such defacement or damage is not the result of negligence of the agents or employees of the Company.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.5 Liability, Cont'd

E.

The Company shall be indemnified and saved harmless by the customer or authorized user against the following claims.

1. Claims for libel, slander and infringement of copyright arising from the material transmitted over the facilities.
2. Claims for infringement of patents arising from combining with, or using in connection with, facilities furnished by the Company, apparatus and systems of the customer or authorized user.
3. All other claims arising out of any act of omission of the customer or authorized user in connection with the facilities provided by the Company.

A.

Cancellation

1.

The Company, by written notice to the customer, may immediately discontinue the furnishing of DDS without incurring liability upon nonpayment of any sum due the Telephone Company or a violation of any condition governing the furnishing of service.

2.

When an application for service is cancelled or changed in whole or in part by the applicant prior to completion of the construction and installation, the regulations in Section 2 of this Product Guide shall apply.

12.6 Interruption of Service

A.

When service is interrupted due to causes other than the negligence of the customer, or the failure of equipment provided by the customer, a credit allowance will be made for the portion of the service which is affected, provided that the interruption is brought to the attention of the Company within ten days. For the purpose of determining the amount of the allowance, every month is considered to have 30 days.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.6 Interruption of Service, Cont'd****B.**

No credit is allowed for interruptions to service of less than 30 minutes. Interruptions of 30 minutes or over are credited to the customer at the proportionable monthly contract in charge in half hour multiples for each half hour or major fraction thereof of interruption. No credit allowance will be made for the following interruptions.

1. Interruptions due to the negligence of the customer or authorized user.
2. Interruptions of service due to failure of facilities provided by the customer or authorized user.
3. Interruptions of service which continue due to the failure of the customer to authorize replacement of any element of special construction. The period during which no credit allowance will be made shall begin on the seventh day after the customer receives the Company's notification of the need for such replacement and shall end on the day after the Company receives the customer's authorization for such replacement.

12.7 Suspension of Service**A.**

DDS and its associated equipment is not subject to a temporary suspension of service arrangement.

12.8 Customer Responsibility**A.**

The customer shall be responsible for the following.

1. Damages to facilities of the Company caused by the negligence or willful act of the customer or authorized user.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.8 Customer Responsibility, Cont'd

2. Reimbursing the Company for any loss through theft of Company property on the customer's or authorized user's premises.
3. The provision of the power required to operate Company facilities installed on the premises of the customer or authorized user.
4. The provision, installation and maintenance of sealed conduit with explosive- proof fittings between equipment furnished by the Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular facilities of the Company, and may be required to install and maintain Company equipment within the hazardous area if in the opinion of the Company injury or damage to the Company employees or property might result from installation or maintenance by the Company.
5. Obtaining permission for Company agents or employees to enter the premises of the customer or authorized user at any reasonable hour for the purpose of installing, inspecting, repairing or upon termination of the service removing the facilities of the Company.
6. Making Company facilities available periodically for maintenance purposes at a time agreeable to both the Company and the customer. No allowance will be made for the period during which the service is interrupted for such purposes.
 - a. The service or any rights associated therewith may not be assigned or in any manner transferred.

12.9 Regulations

12.9.1 Use of Service

- A.
DDS may be used for the transmission of communications to or from any station on the service.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.9 Regulations, Cont'd

12.9.1 Use of Service, Cont'd

B.

Unlawful Use— The service furnished under this Product Guide shall not be used for any purpose or in any manner directly or indirectly in violation of the law or in aid of any unlawful act or undertaking.

12.9.2 Minimum Period

A.

The minimum period for which service is furnished and for which charges are applicable is one month.

1. The charges for a fractional part of a month which follows and is consecutive with a full month will be a proportionate part of the monthly charge using the same ration that the actual number of days service is furnished bears to 30 days.

12.9.3 Special Construction

A.

All rates and charges set forth in this Product Guide provide for the furnishing of service where suitable facilities are available. Where special construction of facilities or equipment is required, special construction charges may apply as determined on a case by case basis as specified in Section 9 of this Product Guide.

12.9.4 Connection to Company Facilities

A.

Terminal equipment, channel derivation equipment and communications systems may be connected to DDS provided by the Company when such connection is made in accordance with the following regulations.

B.

All connections as provided for are made through equipment furnished by the customer or authorized user.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.9 Regulations, Cont'd

12.9.4 Connection to Company Facilities, Cont'd

1. The responsibility of the Company is limited to the furnishing of service to that point on the customer's or authorized user's premises where provision is made for the connection of such equipment.

2. The customer or authorized user is responsible for testing customer provided equipment or facilities to insure that when they are connected with DDS such equipment or facilities are operating properly and further that the cause of any service difficulty reported by the customer or authorized user to the Company results from the operation of equipment and facilities provided by the Company.

C.

Terminal equipment, channel derivation equipment and communications systems may be connected at the premises of the customer or authorized user to DDS in accordance with the general provisions for the connection of customer provided equipment as specified elsewhere in this Product Guide.

1. The customer is responsible for providing the type of data service unit and channel service unit functionality for operation with equipment and system provided by the customer or authorized user. The undertaking of the Company is to furnish DDS as ordered and specified by the customer.

D.

Where DDS is available under this Product Guide for use in connection with terminal equipment, communications systems, channel derivation equipment or accessories provided by a customer or authorized user, such connections shall be in accordance with the regulations as specified in Section 2 of this Product Guide.

E.

Where any terminal equipment, communication system or channel derivation equipment provided by a customer or authorized user is used with services furnished by the Company and any of the provisions in this section are violated, the Company will take action in accordance with the regulations as specified in Section 2 of this Product Guide.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.10 Application of Rates and Charges

A.

Digital Access Line— Rates and charges apply for each Type 1 and Type 2 digital access line terminated at stations in the digital city serving area.

1. Determination of Mileage— Where Type 2 digital access lines are provided, the digital access line mileage is based on the airline distance using V and H coordinates between the digital city rate center and the Company central offices serving station users.

a. The mileage for channels furnished between digital cities is based on the airline distance between the digital city rate centers.

b. Where a multi-station service consists of two or more two point channels furnished between digital cities the mileage is that combination of the airline distance connecting the digital city rate centers which will produce the lowest channel mileage.

B.

The rates and charges for channels between digital cities apply for each two point channel furnished between digital city rate centers.

C.

Multi-Station Arrangement— Such an arrangement is required for each station on a service arranged for multi-station operation.

12.11 Digital Data Service II (DDSII)

12.12 General

Rates and charges for services explained herein are contained in Part M, Section 3. Service charges referred to herein are explained in Paragraph 12.22.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.13 Definitions**

Bit—The smallest unit of information in the binary system of notation.

Channel Service Unit/Data Service Unit (CSU/DSU)—Customer provided equipment which provides the standard interface to a customer terminal and has functions such as signal translation, data regeneration, control signaling, reformatting, and timing. This interface is used with a local distribution channel for speeds up to 56 kbps and is subject to the limitations specified in NTR–74380.

Serving Wire Center—The office from which a customer would be served for local exchange telephone service.

Universal Data Voice Multiplexer (UDVM)—Customer provided equipment which provides the standard interface to a customer terminal and has functions such as signal translation, data regeneration, control signaling, reformatting, and timing. This interface is used with a two-wire local distribution channel for speeds less than 56 kbps and is subject to the limitations specified in NTR– 74380.

12.14 Description

A. DDSII which is provided where suitable facilities exist, is a digital private line service which provides for simultaneous transmission of digital signals at synchronous speeds of 2.4, 4.8, 9.6, 19.2, and 56 kbps within a Local Access and Transport Area (LATA).

B.

1. Availability DDSII service provided via a two-wire technology connected to UDVM customer provided equipment is available only to customers with service connected prior to September 2, 2001.

2. Rates, charges and volume discounts for two-wire local distribution channels – 2.4, 4.8, 9.6 and 19.2 kbps are available only to customers with service connected prior to September 2, 2001.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.14 Description, Cont'd****B. , Cont'd**

3. Customers with service connected prior to September 2, 2001 may retain their service unless their designated premises is moved, they request that the Company hub be changed, or they request a change to the service that results in disconnection of the service. The Company also reserves the right to migrate these grandfathered customers to another comparable service in the event that the existing UDVM electronics cannot be maintained, and agrees to waive the nonrecurring charge associated with that migration.

C. Service Options

1. Two Station Service— This offering may consist of two local distribution channels furnished in the same serving wire center or, two local distribution channels furnished in different serving wire centers requiring an interoffice channel. Local distribution channels must be technically compatible and must have technically compatible Customer Provided Equipment (CPE) at both ends.

2. Multi-Station Service— This service consists of connections of three or more stations from designated serving wire centers and provides the capability to connect multiple stations. All stations must operate at the same transmission speed. Local distribution channels must be technically compatible and must have technically compatible CPE at all ends.

3. Point to Serving Wire Center— This offering consists of a local distribution channel between the customer premises and the customer's serving wire center where DDSII capability exists to facilitate connection to another Company service, or, a local distribution channel and interoffice facilities between the customer's serving wire center and the serving wire center where another company service is available .

SECTION 12 – DIGITAL SERVICES, Cont'd

12.14 Description, Cont'd

C. Service Options, Cont'd

4. Secondary Channel Capability— Channel conditioning, provided from suitably equipped serving wire centers, that permits a DDSII channel to be used with a compatible customer provided Data Service Unit which can derive a lower speed secondary channel at a synchronous rate as described in NTR-74380. The secondary channel operates in parallel with the primary DDSII channel and is used for diverse network capabilities including, but not limited to, providing a lower speed data channel or access to a network management system to perform on line diagnostics and testing, data monitoring traffic measurement, etc.

D. Service Components

1. Local Distribution Channel— A loop between the customer's premises and the customer's serving wire center where DDS II digital service capability exists.

2. Interoffice Channel— A transmission path between serving wire centers where DDSII capability is available. The mileage is based on the airline distance using V and H coordinates between the serving wire centers.

12.15 Cancellation

A.

When an application for service is cancelled or changed in whole or in part by the applicant prior to completion of the construction and installation, the regulations in Section 2 of this Product Guide.

12.16 Interruption of Service

A.

A credit allowance will be made for the portion of the service which is affected, subject to the limitations specified in Section 2 of this Product Guide, provided that the interruption is brought to the attention of the Company within ten days. For the purpose of determining the amount of allowance, every month is considered to have 30 days.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.16 Interruption of Service, Cont'd

1. Interruptions of 30 minutes or over are credited to the customer at the proportionate monthly charge in half hour multiples for each half hour or major fraction thereof of interruption.

B.

No credit allowance will be made for the following interruptions to service.

1. Interruptions to service of less than 30 minutes

2. Interruptions due to the negligence of the customer or authorized user

3. Interruptions of service due to the failure of facilities or equipment provided by the customer or authorized user

4. Interruptions of service which continue due to the failure of the customer to authorize replacement of any element of special construction. The period during which no credit allowance will be made, shall begin on the seventh day after the customer receives the Company's notification of the need for such replacement and shall end on the day after the Company receives the customer's authorization for such replacement.

12.17 Suspension of Service

A.

DDSII and its associated equipment is not subject to a temporary suspension of service arrangement.

12.18 Customer Provided Equipment

A.

A customer provided CSU/DSU or a customer provided UDVM is required at the customer's premises. The customer provided equipment must comply with the appropriate technical standards.

SECTION 12 – DIGITAL SERVICES, Cont'd**12.19 Regulations****A.**

The minimum period for which service is furnished and for which charges are applicable is one month.

1. The charges for a fractional part of a month which follows and is consecutive with a full month will be a proportionate part of the monthly charge using the same ratio that the actual number of days service is furnished bears to 30 days.

12.20 Special Construction**A.**

Where suitable facilities are not available for the provision of service as ordered by the customer or unusual expenditures are involved, special construction charges may apply as determined on a case by case basis as specified in Section 9.

12.21 Application of Rates and Charges**A.**

Service charges apply as appropriate, and are in addition to the charges specified for monthly rates.

B.

System Conversion— If, for Company reasons, a system conversion to a DDSII system with 400 or more local distribution channels must be completed over a period of time that is greater than the normal interval for the service, the customer will be charged at the DDSII rate for the entire system from the completion of the first conversion order.

SECTION 12 – DIGITAL SERVICES, Cont'd

12.22 Termination Liability

Option 1 - If service is disconnected in whole or in part prior to the end of the selected commitment period, the customer is liable for a termination liability charge. Further, when a customer cancels a Service Discount Plan prior to the end of the selected commitment period, the customer is liable for a termination liability charge with regard to the cancelled services. The termination liability charge applies to each service disconnected or, in the case of cancellation of a Service Discount Plan, to each service which has been included in the cancelled Service Discount Plan. The termination liability charge is 50% of the applicable monthly rates for the selected commitment period applied as follows:

Termination Charge =	Service Discount Plan Monthly Rate	X	Number of Months Remaining	X 50%
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Option 2 - For disconnects on or prior to the end of the minimum period and prior to the end of the selected commitment period, the termination liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect. For disconnects after the minimum period but prior to the end of the selected commitment period and for cancellations of the Service Discount Plan prior to the end of the selected commitment period one of the following formulae applies:

(1) When there is no Service Discount Plan period less than the actual time the service has been in effect, the termination liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect;
or

SECTION 12 – DIGITAL SERVICES, Cont'd

12.22 Termination Liability (Cont'd)

(2) Where there is a Service Discount Plan period less than the actual time the service has been in effect, the termination liability charge will be the difference between the monthly rates for the highest Service Discount Plan period that could have been satisfied prior to disconnection of the service or cancellation of the plan and the monthly rates for the selected commitment period multiplied by the actual number of months the service has been in effect. For example, if a customer has a 5-year plan and disconnects a DIGITAL DATA SERVICE II after forty months, the highest Service Discount Plan period that could have been satisfied is three years. To determine the termination liability charge, the monthly rate for the 5-year plan is subtracted from the monthly rate for 3-year plan and the difference is multiplied by the forty months that the service had been in effect.

12.23 Rates for Digital Data Service

12.23.1 Digital Access Lines in the Digital City Service Area

Service Category	Rate Element	Rate	
Type 1	2.4 Kbps – NRC	\$213.13	(I)
	2.4 Kbps – Monthly	\$102.30	
	4.8 Kbps – NRC	\$213.13	
	4.8 Kbps – Monthly	\$125.04	
	9.6 Kbps – NRC	\$213.13	
	9.6 Kbps – Monthly	\$228.15	
	56 Kbps – NRC	\$213.13	
	56 Kbps – Monthly	\$385.56	(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.23 Rates for Digital Data Service, Cont'd

12.23.1 Digital Access Lines in the Digital City Service Area, Cont'd

Service Category	Rate Element	Rate	(I)
Type 2	2.4 Kbps – NRC	\$213.13	
	2.4 Kbps – Fixed Monthly	\$138.13	
	2.4 Kbps – per mile - monthly	\$1.48	
	4.8 Kbps – NRC	\$213.13	
	4.8 Kbps – Fixed Monthly	\$144.93	
	4.8 Kbps – per mile - monthly	\$2.05	
	9.6 Kbps – NRC	\$213.13	
	9.6 Kbps – Fixed Monthly	\$245.35	
	9.6 Kbps – per mile - monthly	\$3.14	
	56 Kbps – NRC	\$213.13	
	56 Kbps – Fixed Monthly	\$458.93	
	56 Kbps – per mile - monthly	\$9.69	

12.23.2 Channel Between Digital Cities

Service Category	Rate Element	Rate	(I)
Channel	2.4 Kbps – Fixed Monthly	\$65.50	
	2.4 Kbps – per mile - monthly	\$1.00	
	4.8 Kbps – Fixed Monthly	\$98.94	
	4.8 Kbps – per mile - monthly	\$1.33	
	9.6 Kbps – Fixed Monthly	\$130.94	
	9.6 Kbps – per mile - monthly	\$1.66	
	56 Kbps – Fixed Monthly	\$461.46	
	56 Kbps – per mile - monthly	\$6.54	
Multi-Station Arrangement		\$28.70	(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.24 Rates for Digital Data Service II

12.24.1 Local Distribution Channels

Service Category	Rate Element	Rate
2.4, 4.8, 9.6 and 19.2 Kbps	2 Wire – NRC – Each	\$437.50
	2 Wire NRC – 36 Months – monthly	10.78
	2 Wire NRC – 60 Months – monthly	4.79
	2 Wire – MTM – monthly ea.	\$27.56
	2 Wire 36 months – monthly ea.	\$25.00
	2 Wire 60 months – monthly ea.	\$25.00
	2 Wire 84 months – monthly ea.	\$25.00
	4 Wire – NRC – Each	\$562.50
	4 Wire – NRC – 36 Months – monthly	\$13.86
	4 Wire – NRC – 60 Months – monthly	\$6.15
	4 Wire – MTM – monthly ea.	\$45.73
	4 Wire 36 months – monthly ea.	\$39.26
	4 Wire 60 months – monthly ea.	\$36.25
	4 Wire 84 months – monthly ea.	\$36.25
	56 Kbps	4 Wire NRC – ea.
4 Wire 36 months – monthly ea.		\$15.40
4 Wire 60 months – monthly ea.		\$6.84
4 Wire – MTM – monthly ea.		\$73.21
4 Wire 36 months – monthly ea.		\$62.74
4 Wire 60 months – monthly ea.		\$57.50
	4 Wire 84 months – monthly ea.	\$57.50

(I)

(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.24 Rates for Digital Data Service II, Cont'd

12.24.2 Interoffice Channels

Service Category	Rate Element	Rate	
2.4, 4.8, 9.6, 19.2 and 56 Kbps	Fixed – MTM – monthly	\$45.73	(I)
	Per Mile – MTM – monthly	\$1.83	
	Fixed – 36 months – monthly	\$40.00	
	Per Mile – 36 months – monthly	\$1.50	
	Fixed – 60 months – monthly	\$40.00	
	Per Mile – 60 months – monthly	\$1.44	
	Fixed – 84 months – monthly	\$40.00	
	Per Mile – 84 months - monthly	\$1.44	(I)

12.24.3 Network Rearrangement and Transfer of Service

Service Category	Rate Element	Rate	
Network Rearrangement	Change channel speed with no change of facilities – NRC – Per channel changed	\$305.00	(I)
	Change termination in multi-station arrangement from 1 circuit to another in same serving wire center – NRC – Per channel station changed	\$305.00	
Transfer of Service	NRC	121.24	(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.24 Rates for Digital Data Service II, Cont'd

12.24.4 Additional Service Features

Service Category	Rate Element	Rate
Additional Service Features	Multi-Station Arrangement – MTM – Monthly	\$9.15
	Multi-Station Arrangement – 36 months – Monthly	7.48
	Multi-Station Arrangement – 60 months – Monthly	6.88
	Multi-Station Arrangement – 84 months – Monthly	6.88
	Secondary Channel Capacity – NRC – per station	13.56
	Secondary Channel Capacity – MTM – Monthly	9.15
	Secondary Channel Capacity – 36 months – Monthly	7.48
	Secondary Channel Capacity – 60 months – Monthly	6.88
	Secondary Channel Capacity – 84 months – Monthly	6.88

(I)

(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.24 Rates for Digital Data Service II, Cont'd

12.24.5 Local Distribution Channels Schedule A and B Billing

Service Category	Rate Element	Rate
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2.4, 4.8, 9.6 and 19.2 Kbps	2 Wire - Schedule A - 36 months - Monthly - Each	\$18.75
	2 Wire - Schedule A - 60 months - Monthly - Each	\$18.75
	2 Wire - Schedule A - 84 months - Monthly - Each	\$18.75
	2 Wire - Schedule A - 120 months - Monthly - Each	\$18.75
	2 Wire - Schedule A - 180 months - Monthly - Each	\$18.75
	2 Wire - Schedule B - Monthly - Each	\$6.25
	4 Wire - Schedule A - 36 months - Monthly - Each	\$28.01
	4 Wire - Schedule A - 60 months - Monthly - Each	\$25.00
	4 Wire - Schedule A - 84 months - Monthly - Each	\$25.00
	4 Wire - Schedule A - 120 months - Monthly - Each	\$25.00
	4 Wire - Schedule A - 180 months - Monthly - Each	\$25.00
	4 Wire - Schedule B - Monthly - Each	\$11.25
56 Kbps		
	4 Wire - Schedule A - 36 months - Monthly - Each	\$45.24
	4 Wire - Schedule A - 60 months - Monthly - Each	\$40.00
	4 Wire - Schedule A - 84 months - Monthly - Each	\$40.00
	4 Wire - Schedule A - 120 months - Monthly - Each	\$40.00
	4 Wire - Schedule A - 180 months - Monthly - Each	\$40.00
	4 Wire - Schedule B - Monthly - Each	\$17.50

(I)

(I)

SECTION 12 – DIGITAL SERVICES, Cont'd

12.24 Rates for Digital Data Service II, Cont'd

12.24.6 Interoffice Channel Schedule A and B Billing

Service Category	Rate Element	Rate		
2.4, 4.8, 9.6 and 19.2 Kbps	Fixed - Schedule A - 36 months - Monthly	\$33.75	(I)	
	Per mile - Schedule A - 36 months - Monthly	\$0.94		
	Fixed - Schedule A - 60 months - Monthly	\$33.75		
	Per mile - Schedule A - 60 months - Monthly	\$0.88		
	Fixed - Schedule A - 84 months - Monthly	\$33.75		
	Per mile - Schedule A - 84 months - Monthly	\$0.88		
	Fixed - Schedule A - 120 months - Monthly	\$33.75		
	Per mile - Schedule A - 120 months - Monthly	\$0.88		
	Fixed - Schedule A - 180 months - Monthly	\$33.75		
	Per mile - Schedule A - 180 months - Monthly	\$0.88		
	Fixed - Schedule B - Monthly	\$6.25		
	Per mile - Schedule B - Monthly	\$0.56		
	56 Kbps	Fixed - Schedule A - 36 months - Monthly		\$33.75
		Per mile - Schedule A - 36 months - Monthly		\$0.94
Fixed - Schedule A - 60 months - Monthly		\$33.75		
Per mile - Schedule A - 60 months - Monthly		\$0.88		
Fixed - Schedule A - 84 months - Monthly		\$33.75		
Per mile - Schedule A - 84 months - Monthly		\$0.88		
Fixed - Schedule A - 120 months - Monthly		\$33.75		
Per mile - Schedule A - 120 months - Monthly		\$0.88		
Fixed - Schedule A - 180 months - Monthly		\$33.75		
Per mile - Schedule A - 180 months - Monthly		\$0.88		
	Fixed - Schedule B - Monthly	\$6.25	(I)	
	Per mile - Schedule B - Monthly	\$0.56		

