

## ACCESS SERVICE CHECK SHEET

Title Pages 1 and 2 and Pages 1 to 25-126 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 13, 14, 15, 16, 17, 19, 20, 28, 29, and 31 contain all changes from the original tariff that are in effect on the date hereof.

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14	56th	45.1	1st	2-29	3rd
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16.5	3rd	2-4	Original	2-40	1st
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18	9th	2-6	Original	2-40.2	5th
19	2nd	2-7	3rd	2-41	1st
19.1	1st	2-8	3rd	2-42	1st
20	2nd	2-9	4th	2-43	1st
21	3rd	2-9.1	Original	2-44	1st
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2-66	2nd	2-83.23	3rd		
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7-234	6th	7-253	5th	7-278.1	7th
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7-237	10th	7-253.3	4th	7-280	10th
7-237.1	7th	7-254	5th	7-281	4th
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7-239	2nd	7-256.1	4th	7-282.2	4th
7-239.1	2nd	7-256.2	4th	7-282.3	4th
7-239.2	2nd	7-256.3	5th	7-283	5th
7-240	2nd	7-257	5th	7-283.1	2nd
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7-242.1	2nd	7-259.2	4th	7-285.1	4th
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		7-274.1	7th	7-289	1st
		7-275	12th		

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## EXPLANATION OF ABBREVIATIONS

PBX	-	Private Branch Exchange	
PCM	-	Pulse Code Modulation	
PI	-	Priority Installation	
PLR	-	Private Line Ringdown	
POT	-	Point of Termination	
PR	-	Priority Restoration	
RCCs	-	Radio Common Carriers	
rms	-	root-mean-square	
RPON	-	Related Purchase Order Number	
RSM	-	Remote Switching Modules	
RSS	-	Remote Switching Systems	
SASG	-	Special Access Service Guarantee	
SCVS	-	Serial Component Video Service	
SLA	-	Service Level Agreement	
SLC	-	Subscriber Line Charge	
SMPTE		Society of Motion Picture and Television Engineers	
SPOI	-	Signaling Point of Interface	
SRL	-	Singing Return Loss	
SS7	-	Signaling System 7	
SSN	-	Switched Service Network	
STP	-	Signal Transfer Point	
SWC	-	Serving Wire Center	
S56	-	Switched 56 Kilobit Service	
TAS	-	Tandem Access Sectorization	
TASA	-	Tandem Access Sectorization Area	
TES	-	Telephone Exchange Service(s)	
TG	-	Telegraph Grade	
TL1	-	Transaction Language 1	
TLP	-	Transmission Level Point	
TSPS	-	Traffic Service Position System	
TSP	-	Telecommunications Service Priority	
TV	-	Television	
TVOC	-	Telephone Company Video Operation Center	
UPS	-	Uninterrupted Power Supply	
USOC	-	Uniform Service Order Code	
VG	-	Voice Grade	
V & H	-	Vertical & Horizontal	(D)
WATS	-	Wide Area Telecommunications Service(s)	
WCN	-	With Calling Name	(D)
WOCN	-	Without Calling Name	

## REFERENCE TO OTHER TARIFFS

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

The following tariff is referenced in this tariff and may be obtained from the National Exchange Carrier Association, 80 South Jefferson Road, Whippany, NJ 07981-1009 or in electronic format on the Internet at [www.neca.org](http://www.neca.org).

National Exchange Carrier Association, Inc.  
Tariff F.C.C. No. 4

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GR-1312-CORE, Issue 3	Issued: April 1999
GR-1374-CORE, Issue 1	Issued: December 1994
GR-2918-CORE, Issue 6	Issued: January 2003
GR-2936-CORE, Issue 1	Issued: December 1997
GR-2979-CORE, Issue 5	Issued: March 2005
PUB 41004	Issued: October 1973
PUB 62310	Issued: September 1983
SR-3330, Issue 2	Issued: April 1997
SR-4274, Issue 1	Issued: April 1997
SR-INS-001532, Issue 1	Issued: July 1991
Video Distribution Technology	
SR-NPL-001434, Issue 1	Issued: January 1990
Cable TV Signal Distribution	
SR-NWT-001851, Issue 1	Issued: December 1990
SR-STS-000320	Issued: August 1990
SR-TAP-000191, Issue 2	Issued: December 1998
ST-TEC-000053, Issue 1	Issued: August 1989
Telecommunications Transmission Engineering	
Volume 3 - Networks and Services (Chapters 6 and 7)	
TR-NPL-000157, Issue 1	Issued: April 1986
TR-NPL-000336, Issue 1	Issued: October 1987
TR-NWT-000335, Issue 3	Issued: May 1993
TR-NWT-000341, Issue 2	Issued: February 1993
TR-NWT-001112, Issue 1	Issued: June 1993

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## 2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

## (1) (Cont'd)

(c) Special Federal Government Access Services and  
Specialized Service or Arrangements

Service interruptions for Special Federal Government Access Services and Specialized Service or Arrangements provided under the provisions of Sections 10 and 12 following shall be administered in the same manner as those set forth in this Section 2.7.1.1 unless other regulations are specified with the individual case filing.

(2) Credit allowances for interruptions to Switched Access Service and Directory Assistance Service apply to any applicable monthly rates.

(3) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate for the service interrupted in any one monthly billing period.

(4) For certain Special Access services (Digital Data Access, DA1-4, High Capacity, HC1), and for Switched Transport, any period during which the error performance is below that specified for the service will be considered as an interruption. (D)

(5) Reserved.

(6) For Lightwave Facilities, no credit shall be allowed for any interruption not reported by the customer; an interruption of less than 48 hours from the time of the customer's trouble report; or any interruption resulting from equipment furnished by the customer.

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## ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements2.7.1 Basic Service Level Agreements (Basic SLAs)

## 2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

## (B) When A Credit Allowance Applies (Cont'd)

- (7) For certain Special Access services, a Special Access Service Guarantee (SASG) credit allowance will apply in the event that such services experience a service interruption of four (4) or more consecutive hours except as specified in Section 2.7.4(B) following. The SASG credit allowance will apply to Voice Grade, WATS, Metallic, Telegraph, monthly Program Audio and Video, Digital Data (DDS), and High Capacity DS1 (excluding the portion of a Special Access DS1 High Capacity service that is derived at a customer designated premises using a DS3 Premises Multiplexer) and DS3 Special Access services (collectively, Special Access Services). (D)

The customer has the option to subscribe to National SLA Plans as set forth in Section 2.7.3 and/or Section 7.4.20 following. When a customer subscribes to a National SLA Plan, SASG credit allowances under this Section 2.7.1.1(B)(7) do not apply to services covered by the National SLA Plan.

Additionally, the SASG credit allowance applies to IntelliMux® ports when a customer, during normal hours (see 7.2.12(D), Scheduled Maintenance), is unable to reconfigure circuits for two or more hours.

If a Special Access Service or IntelliMux port is eligible for an SASG credit allowance, the Telephone Company shall provide the applicable credit amount as set forth in the table following. The Telephone Company shall bill customer the applicable monthly rate for the Special Access Service or IntelliMux port, and if customer is eligible to receive the SASG credit allowance, the customer shall receive the SASG credit in a later invoice. The SASG credit allowance is in addition to any other credit allowances available under this Section 2.7.1.1. The maximum amount of all credit allowances available under this Section 2.7.1.1 for a Special Access Service or IntelliMux port for a given billing period shall not exceed the total applicable monthly charge paid by the customer for such Special Access Service or IntelliMux port. The monthly charge will consist of all applicable rate elements charged to the circuit experiencing the service interruption. The SASG credit allowance can only be applied once per month on a per circuit or per port basis. For multi-point circuits, the SASG credit allowance will apply to each leg of the circuit that experiences a service interruption.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.26 Facilities Management Service# (Cont'd)(D) Terms and Conditions (Cont'd)

## (3) (Cont'd)

- (c) If the FMS Term Plans in multiple LATAs share a common expiration date and the same type of Primary Premises, the associated commitment level will be aggregated to a single total. Fulfillment of the commitment level will be determined as stated in 6.8.26(D)(3)(a) preceding; however, the calculation will be on the aggregate level for all eligible LATAs.
- (4) The customer will provide a DS1, DS3 or STS1 electrical, a DS3 optical, or an OC3, OC12, or an OC48 optical network interface at each primary premises.
- (5) The FMS customer, when ordering Feature Group A, B, or D services, will specify the type of service and will indicate the starting point or primary premises and the location of the end office and/or tandem access switching office.
- (6) (RESERVED)
- (7) The Company will provide the same service intervals and quality standards for services in an FMS plan as for the standard switched access services.
- (8) FMS is not applicable to the following services and service options:
  - (a) IntelliMux
  - (b) services in other rate plans such as Term Pricing, Federal Communications Access Services or Rate Stability plans.
  - (c) central office multiplexing, e.g., voice to telegraph, DS1 to DS0, DS0 to subrates.
  - (d) Automatic Loop Transfer
  - (e) Transfer Arrangement
  - (f) Metallic, Telegraph, WATS, Program Audio, Video and Lightwave Special Access Services (D)

# Service availability limited. See # footnote on Page 6-301.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

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

WATS Access Line - a channel between a customer designated premises and a WATS Serving Office (WSO) for transmission of interstate or international traffic.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz.

Video - a channel for the transmission of a standard 525 line/60 field monochrome or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signals. The bandwidth for a video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

Serial Component Video - a channel for one-way transmission, at a rate of 270 Mbps, of broadcast quality 4:2:2 component video signals in serial digital format.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

Digital Data - a channel for the digital transmission of data at rates of 2.4, 4.8, 9.6, 19.2, 56 or 64 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152 or 44.736 Mbps.

High-Definition (Hi-Def) Digital Video Transport Service - a channel for one-way broadband transmission of high quality video signals in digital format, at a rate of 19.39 Mbps or 1.485 Gbps.

45 Mbps Digital Video Transport Service - a channel for one-way broadband transmission, at a rate of 45 Mbps, of high quality video signals in digital format.

Supertrunking Transport Video Service (SVS) - a channel with a bandwidth of up to either 750 MHz or 870 MHz for the transmission of multiple Amplitude Modulation (AM) standard 525 line/60 field monochrome or National Television Systems committee (NTSC) color video signals and monaural or Broadcast Television Systems Committee (BTSC) stereo audio signals over fiber optic facilities.

Detailed descriptions of each of the channel types are provided in 7.2 following:

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, and 44.736 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. The customer also has the option of ordering DS3 High Capacity facilities with a DS3 Premises Multiplexer for multiplexing to individual DS1 High Capacity channels at a customer designated premises. All of the DS1 High Capacity channels derived from the DS3 Premises Multiplexer must terminate at that premises.

Descriptions of the types of multiplexing available at the Hubs or using a DS3 Premises Multiplexer, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

For example, a customer may order a DS3/44.736 Mbps facility from a customer designated premises to a Telephone Company Hub for multiplexing to twenty-eight 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade Channels. (D)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.7 Acceptance Testing

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

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

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in 13.3.4(B)(1) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

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

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions

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

Metallic (MT)  
Telegraph Grade (TG)  
Voice Grade (VG)  
WATS Access Connection (WAC)  
Program Audio (AP)  
Video (TV)

(D)  
(D)

Digital Data (DA)  
High Capacity (HC)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

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

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after the effective date of this tariff will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

Metallic	TR-NPL-000336, Issue 1
Telegraph Grade	TR-NPL-000336, Issue 1
Voice Grade	TR-NWT-000335, Issue 3
	PUB 41004, Table 4
WATS Access Line	GR-334-CORE, Issue 1
Program Audio	GR-337-CORE, Issue 1
Video	GR-338-CORE, Issue 1
Serial Component Video	SMPTE 0259M-2008
Digital Video Transport	SMPTE 0259M-2008
	ANSI T1.102-1993 (R2005)
	ANSI T1 102.01-1996 (R2001)
	ANSI T1 107-2002 (R2006)
	ATSC Standard A/53
	ATSC Document A/54A
Digital Data	TR-NWT-000341, Issue 2
Secondary Channel	TR-NPL-000157, Issue 1
	PUB 62310

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.1 Metallic Service#(A) Basic Channel Description

(T)

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package MT-</u>			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance X			X	
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

(C) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(A) following.

# Effective January 22, 2014, orders for new Metallic Service are no longer permitted. The Telephone Company will continue to provide Metallic Service pursuant to this Section 7.2.1 on existing Metallic Service in service as of January 22, 2014 or orders for Metallic Service placed with the Telephone Company prior to January 22, 2014 (collectively, Existing Metallic Service), subject to the following condition:

(N)

The Telephone Company will continue to provide Existing Metallic Service purchased on a Month-to-Month basis until the earlier of the date that customer replaces the Existing Metallic Service with a comparable Telephone Company-provided service, or the date that customer discontinues service, or the date that Telephone Company discontinues service. Moves, additions, and changes are not permitted.

(N)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.1 Metallic Service#

(T)

(D) Optional Features and Functions

(M)

(1) Central Office Bridging Capability

(a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.

(b) Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package MT-			
	C	1	2	3
Three Premises Bridging	X	X		X
Series Bridging	X		X	

(M)

# Service availability limited. Refer to # footnote on Page 7-17.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)

(T)

7.2.2 Telegraph Grade Service#(A) Basic Channel Description

A Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation and may be terminated as telegraph two-wire or four-wire, or, where facilities permit, as a four-wire in a digital format when used in conjunction with another Telegraph Channel Termination at the other end. Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

Package TG-

<u>Parameter</u>	<u>C</u>	<u>1</u>	<u>2</u>
Telegraph Distortion	$\frac{C}{X}$	$\frac{1}{X}$	$\frac{2}{X}$

The technical specifications are delineated in Technical Reference TR-NPL-000336, Issue 1.

(C) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(B) following.

(D) Optional Features and Functions(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

		<u>Available with Technical Specifications Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>	
Telegraph Bridging	$\frac{C}{X}$	$\frac{1}{X}$	$\frac{2}{X}$	

# Effective January 22, 2014, orders for new Telegraph Grade Service are no longer permitted. The Telephone Company will continue to provide Telegraph Grade Service pursuant to this Section 7.2.2 on existing Telegraph Grade Service in service as of January 22, 2014 or orders for Telegraph Grade Service placed with the Telephone Company prior to January 22, 2014 (collectively, Existing Telegraph Grade Service), subject to the following condition:

(N)

The Telephone Company will continue to provide Existing Telegraph Grade Service purchased on a Month-to-Month basis until the earlier of the date that customer replaces the Existing Telegraph Grade Service with a comparable Telephone Company-provided service, or the date that customer discontinues service, or the date that Telephone Company discontinues service. Moves, additions, and changes are not permitted.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.4 Program Audio Service#

(T)

(A) Basic Channel Description

A Program Audio channel is a channel measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

Certain material previously found on this page can now be found on Original Page 7-34.1.

# Effective January 22, 2014, orders for new Program Audio Service are no longer permitted. The Telephone Company will continue to provide Program Audio Service pursuant to this Section 7.2.4 on existing Program Audio Service in service as of January 22, 2014, or orders for Program Audio Service placed with the Telephone Company prior to January 22, 2014 (collectively, Existing Program Audio Service), subject to the following condition:

(N)

The Telephone Company will continue to provide Existing Program Audio Service until the earlier of the date that customer replaces the Existing Program Audio Service with a comparable Telephone Company-provided service, or the date that customer discontinues service, or the date that Telephone Company discontinues service. Moves, additions, and changes are not permitted.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.4 Program Audio Service#

(T)

(B) Technical Specifications Packages

(M)

<u>Parameter</u>	<u>C*</u>	<u>Package AP-</u>			
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking					X
Crosstalk	X	X	X	X	X
Distortion Tracking					X
Gain/Frequency Distortion	X	X	X	X	X
Group Delay					X
Noise	X	X	X	X	X
Phase Tracking					X
Short-Term Gain					
Stability					X
Short-Term Loss					X
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendums.

(C) Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio channel:

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

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.4 Program Audio Service# (Cont'd)

(T)

(C) Channel Interfaces (Cont'd)

<u>CI</u>	<u>Bandwidth</u>
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 7.3.5(E) following.

(D) Optional Features and Functions(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0 dB  $\pm$  0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package AP-</u>				
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.6 Reserved for Future Use

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved for Future Use

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.13 Facilities Management Service# (Cont'd)(D) Terms and Conditions (Cont'd)

- (4) The customer will provide a DS1, DS3 or STS1 electrical, a DS3 optical, or an OC3, OC12, or an OC48 optical network interface at each primary premises.
- (5) The FMS customer, when ordering Voice Grade, DDS, High Capacity and IEF services, will specify the type of service, the VT mapping for an STS1 channel termination, and will indicate the starting point or primary premises and the location of the secondary premises.
- (6) The Company will provide the same service intervals and quality standards for services in an FMS plan as for the standard Special Access services.
- (7) In any jurisdiction where switched access FMS is not available, and both switched and special access terminate at the same primary premises, the Company will use a switched access offset in the determination of the proper rate band of FMS Channel Termination charges. This offset will be calculated by including up to 75% of the Feature Group B and D trunks in the DS0 equivalency total.
- (8) FMS is not applicable to the following services and service options:
  - (a) IntelliMux®
  - (b) services in other rate plans such as Term Pricing, Federal Communications Access Services or Rate Stability plans.
  - (c) central office multiplexing, e.g., voice to telegraph, DS1 to DS0, DS0 to subrates.
  - (d) Automatic Loop Transfer
  - (e) Transfer Arrangement
  - (f) Metallic, Telegraph, WATS, Program Audio, Video and Lightwave Special Access Services (D)
  - (g) Secondary Premises or End User Channel Terminations
  - (h) Shared Network Arrangement (Exception: see (9) following).

# Service availability limited. See # footnote on Page 7-85.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PR -		protective relaying*
RV -	O	reverse battery signaling, one way operation, originate by customer
	T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF -		single frequency signaling with VF band at either customer POT or customer's end user POT
SO -		SONET/SONET Digital Hierarchy Optical Interface
SN -		SONET Network
	F	Facility
TF -		telephotograph interface
TT -		telegraph/teletypewriter interface at either customer POT or customer's end user POT
	2	20.0 milliamperes
	3	3.0 milliamperes
	6	62.5 milliamperes
TV -		television interface
	1	combined (diplexed) video and one audio signal
	2	combined (diplexed) video and two audio signals
	5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire
	15	video plus one (or two) audio 15 kHz signal(s) or one (or two) two wire

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- \* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)

(D)

(D)

7.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

- + For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance, the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(G) Reserved for Future Use

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(H) Reserved for Future Use

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(2) Installation of Optional Features and Functions

Separate nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. Except for SVS Video Bridging, the charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service. The charge for SVS Video Bridging applies only when the optional feature or function is installed at any time subsequent to the installation of service.

Some optional features for which separate nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
  
- SVS Video Bridging
- DS3 Premises Multiplexer

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.8 Shared Use Digital High Capacity Services

(D)

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity Special Access Service through a common interface. The facility will be ordered, provisioned and rated as Special Access Service (i.e., Channel Termination, Channel Mileage as appropriate, and Multiplexer and a terminating channelized individual service by Channel Type, and Channel Mileage, as appropriate) until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. In certain Shared Used cases, the customer for the Special Access Service and Switched Access Service may be different. A Switched Access customer may, with proper authorization, order Switched Access directly to the Special Access customer's DS1 to VG multiplexer. In situations where the Switched Access order consists of 24 same Line-side or Trunk-side Switched Access connections between the same End Office and/or Tandems, the Switched Access customer may, with proper authorization, order directly to a DS1 port on a DS3 multiplexer.

(D)

When individual channels on a DS3 Service Arrangement are activated for Switched Access Service, the rates for DS1 Channel Terminations, DS3 Standard Channel Terminations, IntelliLight Entrance Facilities, IEF Interfaces (DS1, DS3 and STS1), and the associated mileage and Multiplexing services will be reduced, based on their rates and capacity, accordingly (e.g., 1/24th for a DS1 service, 1/672nd for DS3 service or ISSP service, etc.). All of the above DS3 service rate elements are subject to the provisions of Section 7.4.13 (E), following. This reduction provision does not apply to channels used to provision WATS Access Line Service since it is Special Access.

In the case of IOTS as specified in 7.2.14(C)(4) preceding, the monthly rate for the Special Access IOTS Service ring mileage, node, and network optimization rates will be reduced accordingly based on the total channel capacity of the IOTS ring and the monthly rate for the equivalent Switched Access ring mileage, node and network optimization rate elements will apply. The total channel capacity for an IOTS ring is measured in terms of the total number of optical transport channels that can be transported over the ring.

When a Special Access DS1 Service or Special Access DS3 Service is part of a Shared Use Arrangement, and such service is also included in a National Discount Plan (NDP) as set forth in Section 25.3 following, the NDP discounts as set forth in Section 25.3.5 following must be applied before any rates are reduced or applied under this Section 7.4.8.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.8 Shared Use Digital High Capacity Services (Cont'd)

(D)

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub or High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.) The applicable rates and charges will include a Channel Termination rate and Channel Mileage, if applicable. Rates and charges for optional features and functions, if any, will apply as set forth in 7.5 following. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

(D)

Should the customer displace (reduce) the entire capacity of the Special Access High Capacity Service with Switched Access Service, the Special Access Service will, for billing purposes, be considered disconnected. Any future capacity due to a customer's disconnect of Switched Access Service will be considered Telephone Company inventory. Should the customer subsequently order Special Access Service, this will be treated as a new order and full rates and charges for the Special Access Service type ordered, as set forth in 7.5 following will apply.

7.4.9 Reserved

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Metallic Service#

(T)

(A) Channel Termination		<u>USOC</u>	<u>Monthly Rates</u>	
- Per point of termination				
	N-MSA	T6ECS	\$22.30	
	Price Band 4	T6ECS	28.13	
	Price Band 5	T6ECS	28.13	
	Price Band 6	T6ECS	28.13	
			<u>Nonrecurring Charges</u>	
- Per point of termination			<u>First</u>	<u>Additional</u>
Installation/Change				
	N-MSA	T6ECS	\$200.00	\$150.00
	Price Band 4	T6ECS	200.00	150.00
	Price Band 5	T6ECS	200.00	150.00
	Price Band 6	T6ECS	200.00	150.00
Rearrangement				
	N-MSA	NRBGA/NRBGB	\$100.00	\$100.00
	Price Band 4	NRBGA/NRBGB	160.00	100.00
	Price Band 5	NRBGA/NRBGB	160.00	100.00
	Price Band 6	NRBGA/NRBGB	160.00	100.00
			<u>Monthly Rates</u>	
			<u>Fixed</u>	<u>Per Mile</u>
(B) Channel Mileage				
	N-MSA	1L5LS	None	\$3.50
	Price Band 4	1L5LS	None	4.06
	Price Band 5	1L5LS	None	4.06
	Price Band 6	1L5LS	None	4.06
(C) Optional Features and Functions		<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Bridging				
(a) Three Premises Bridging, per Port				
	N-MSA	BCNM3	\$10.02	None
	Price Band 4	BCNM3	12.50	None
	Price Band 5	BCNM3	12.50	None
	Price Band 6	BCNM3	12.50	None
(b) Series Bridging, Per Port				
	N-MSA	BCNMS	\$10.02	None
	Price Band 4	BCNMS	12.50	None
	Price Band 5	BCNMS	12.50	None
	Price Band 6	BCNMS	12.50	None

# Service availability limited. Refer to # footnote on Page 7-17.

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## 7. Special Access Service (Cont'd)

7.5.2 Telegraph Grade Service#

(A) Channel Termination	USOC	Monthly Rates
-Per point of termination		
Two-Wire, N-MSA	T6E2X	\$31.72
Price Band 4	T6E2X	40.00
Price Band 5	T6E2X	40.00
Price Band 6	T6E2X	40.00
Four-Wire, N-MSA	T6E4X	49.57
Price Band 4	T6E4X	62.50
Price Band 5	T6E4X	62.50
Price Band 6	T6E4X	62.50
	Nonrecurring Charges	
-Per point of termination	First	Additional
Two-Wire T6E2X		
Installation/Change		
N-MSA	\$200.00	\$150.00
Price Band 4	200.00	150.00
Price Band 5	200.00	150.00
Price Band 6	200.00	150.00
Rearrangement NRBGC		NRBGD
N-MSA	\$100.00	\$100.00
Price Band 4	500.00	300.00
Price Band 5	500.00	300.00
Price Band 6	500.00	300.00
Four-Wire T6E4X		
Installation/Change		
N-MSA	\$200.00	\$150.00
Price Band 4	200.00	150.00
Price Band 5	200.00	150.00
Price Band 6	200.00	150.00
Rearrangement NRBGE		NRBGF
N-MSA	\$100.00	\$100.00
Price Band 4	500.00	300.00
Price Band 5	500.00	300.00
Price Band 6	500.00	300.00

# Service availability limited. Refer to # footnote on Page 7-18.

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7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.2 Telegraph Grade Service# (Cont'd)

(T)

		<u>Monthly Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>
(B) Channel Mileage	<u>USOC</u>		
N-MSA	1L5LS	\$15.35	\$0.41
Price Band 4	1L5LS	17.81	0.48
Price Band 5	1L5LS	17.81	0.48
Price Band 6	1L5LS	17.81	0.48
(C) Optional Features and Functions		<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Telegraph Bridging			
-Per port			
Two-Wire			
N-MSA	BCNT2	10.02	None
Price Band 4	BCMT2	12.50	None
Price Band 5	BCNT2	12.50	None
Price Band 6	BCNT2	12.50	None
Four-Wire			
N-MSA	BCNT4	10.02	None
Price Band 4	BCMT4	12.50	None
Price Band 5	BCNT4	12.50	None
Price Band 6	BCNT4	12.50	None

# Service availability limited. Refer to # footnote on Page 7-18.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.4 Program Audio Service#

(T)

## (A) Channel Termination

- Per point of termination

	USOC	Monthly Rates	Daily Rates	Nonrecurring Charges First	Charges Additional
200 to 3500 Hz	T6ECS				
N-MSA		\$40.36	\$4.25	\$657.00	\$657.00
Price Band 4		31.21	3.29	657.00	657.00
Price Band 5		31.21	3.29	657.00	657.00
Price Band 6		31.21	3.29	657.00	657.00
100 to 5000 Hz	T6ECS				
N-MSA		53.80	5.66	958.13	958.13
Price Band 4		41.61	4.38	958.13	958.13
Price Band 5		41.61	4.38	958.13	958.13
Price Band 6		41.61	4.38	958.13	958.13
50 to 8000 Hz	T6ECS				
N-MSA		65.12	7.08	985.50	985.50
Price Band 4		50.37	5.48	985.50	985.50
Price Band 5		50.37	5.48	985.50	985.50
Price Band 6		50.37	5.48	985.50	985.50
50 to 15000 Hz	T6ECS				
N-MSA		134.51	14.16	1012.88	1012.88
Price Band 4		104.03	10.95	1012.88	1012.88
Price Band 5		104.03	10.95	1012.88	1012.88
Price Band 6		104.03	10.95	1012.88	1012.88

## (B) Channel Mileage

	USOC	Monthly Rates		Daily Rates	
		Fixed	Per Mile	Fixed	Per Mile
(1) 200 to 3500 Hz	1L5LS				
N-MSA		\$21.24	\$.64	\$2.12	\$.06
Price Band 4		16.43	.49	1.64	.05
Price Band 5		16.43	.49	1.64	.05
Price Band 6		16.43	.49	1.64	.05
(2) 100 to 5000 Hz	1L5LS				
N-MSA		42.48	.85	4.25	.10
Price Band 4		32.85	.66	3.29	.07
Price Band 5		32.85	.66	3.29	.07
Price Band 6		32.85	.66	3.29	.07
(3) 50 to 8000 Hz	1L5LS				
N-MSA		56.63	1.69	5.66	.17
Price Band 4		43.80	1.31	4.38	.13
Price Band 5		43.80	1.31	4.38	.13
Price Band 6		43.80	1.31	4.38	.13
(4) 50 to 15000 Hz	1L5LS				
N-MSA		113.27	3.40	11.33	.34
Price Band 4		87.60	2.63	8.76	.26
Price Band 5		87.60	2.63	8.76	.26
Price Band 6		87.60	2.63	8.76	.26

# Service availability limited. Refer to # footnote on Page 7-34.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.4 Program Audio Service (Cont'd)

(T)

(C) Optional Features and  
Functions

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charges</u>	
				<u>Monthly</u>	<u>Daily</u>
(1) Bridging (Distribution Amplifier)					
-Per port	BCNPT				
N-MSA		\$23.60	\$2.36	None	None
Price Band 4		21.90	2.19	None	None
Price Band 5		21.90	2.19	None	None
Price Band 6		21.90	2.19	None	None
(2) Gain Conditioning					
-Per service	XGC				
N-MSA		21.75	2.36	328.50	\$246.38
Price Band 4		20.19	2.19	328.50	\$246.38
Price Band 5		20.19	2.19	328.50	\$246.38
Price Band 6		20.19	2.19	328.50	\$246.38
(3) Stereo					
-Per service	XSC				
N-MSA		None	None	1,861.50	1,204.50
Price Band 4		None	None	1,861.50	1,204.50
Price Band 5		None	None	1,861.50	1,204.50
Price Band 6		None	None	1,861.50	1,204.50

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.6 Reserved for Future Use

(C)  
(D)

(D)

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(T)  
(T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved for Future Use

(C)  
(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

(D)

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(T)

(T)

## ACCESS SERVICE

21. Contract Tariffs (Cont'd)21.2 Contract Tariff Option 1 (Cont'd)

## (D) Description of Services

This Contract Tariff shall include revenues for any of the following services which are subject to Level 1 and Level 2 pricing flexibility (as described in Section 14.7 preceding of this tariff, Section 15.3 of Tariff F.C.C. No. 11 and Section 19.1 of Tariff F.C.C. No. 14) as of the date of subscription to this Contract Tariff Option 1. These revenues will be used to calculate the customer's annual minimum billed revenue as specified in (E) following. Rates and charges for these services are set forth in the applicable tariff for the MSA in which these services are provided.

Services Provided in Tariff F.C.C. No. 1

Channel Extension Service  
Digital Data Service (DDS)  
Facilities Management Service (FMS)  
High Capacity DS1 and DS3  
IntelliLight Broadband Transport (IBT)  
Verizon Dedicated SONET Ring (DSR)  
IntelliLight Entrance Facility (IEF)  
IntelliLight Shared Assurance Network (ISAN)  
IntelliLight Shared Dual Path (ISDP)  
IntelliLight Shared Single Path (ISSP)  
IntelliMux  
LAN Extension Service (LES)  
Metallic  
Program Audio  
Telegraph  
Video  
Voice Grade  
WATS Access Line

(D)  
(D)

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ACCESS SERVICE

21. Contract Tariffs (Cont'd)

21.2 Contract Tariff Option 1 (Cont'd)

(D) Description of Services (Cont'd)

Services Provided in Tariff F.C.C. No. 11

Metallic Service  
Telegraph Service  
Voice Grade Service  
WATS Access Line  
Program Audio Service  
Video and Advanced Video Services  
Digital Data Service  
High Capacity DS1 and DS3  
DIGIPATH digital service II

(D)

NYNEX Enterprise Service  
NYNEX Enterprise Network Reconfiguration Service  
Verizon Dedicated SONET Ring (Special Access Services only)  
IntelliLight Entrance Facility (Special Access Services only)  
IntelliLight Shared Assurance Network  
IntelliLight Shared Single Path (Special Access Services only)  
IntelliLight Broadband Transport  
Enterprise SONET Services  
Facility Management Service (Special Access Services only)  
Channel Extension Service

Services Provided in Tariff F.C.C. No. 14

Voice Grade  
Program Audio  
Digital Data  
High Capacity DS1  
High Capacity DS3  
High Voltage Protection  
Clear Channel Capability

(D)

Optical Networking

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