

VERIZON TELEPHONE COMPANIES

Vice President, Federal Regulatory

1300 I Street NW

Washington, DC 20005

Issued: December 18, 2017

TARIFF FCC NO. 16

307th Revised Page 1

Cancels 306th Revised Page 1

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ACCESS SERVICE**Check Sheet**

Title Pages 1 to 4 and Pages 1 to 23-6 inclusive, of this tariff are effective as of the date shown. The original and revised pages named below and Supplement No. 1, 2, 5, 6, 7, 8, and 10 contain all changes from the original tariff that are in effect on the date shown.

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ACCESS SERVICE**EXPLANATION OF SYMBOLS**

(C)	- To signify changed regulation
(D)	- To signify discontinued rate or regulation
(I)	- To signify increase
(M)	- To signify matter relocated without change
(N)	- To signify new rate or regulation
(R)	- To signify reduction
(S)	- To signify reissued matter
(T)	- To signify a change in text but no change in rate or regulation
(Z)	- To signify a correction

EXPLANATION OF ABBREVIATIONS

ac	- Alternating current
ACNA	- Access Customer Name Abbreviation
AML	- Actual Measured Loss
ANI	- Automatic Number Identification
ARC	- Access Recovery Charge
ASR	- Access Service Request
AT&T	- American Telephone and Telegraph Company
ATM	- Asynchronous Transfer Mode (ATM) Network Service
BAN	- Billing Account Number
BD	- Business Day
BHMC	- Busy Hour Minutes of Capacity
BSA	- Basic Serving Arrangement
BSE	- Basic Service Element
CAC	- Carrier Access Code
CAROT	- Centralized Automatic Reporting on Trunks
CCS7	- Common Channel Signaling System 7
CI	- Changes Interface
CIC	- Carrier Identification Code
CLO	- Control Link Oscillator
CNM	- Customer Network Management
CO	- Central Office
COCTX	- Central Office Centrex
Cont'd	- Continued
CPE	- Customer Provided Equipment
CSM	- Customer Service Management
Ctx	- Centrex
dB	- decibel
dBrnC	- Decibel Reference Noise C-Message Weighting
dBrnC0	- Decibel Reference Noise C-Message Weighted 0
dBv	- Decibel(s) Relative to 1 Volt (Reference)
dBvI	- Decibel(s) Relating to 1 Volt (Reference)
dc	- direct current
DSAL	- Dedicated Switched Access Line
DSAT	- Dedicated Switched Access Transport
DTM	- Direct TLI Monitoring Optional Feature
DWDM	- Dense Wave Division Multiplexing
EDD	- Envelope Delay Distortion
ELEPL	- Equal Level Echo Path Loss
EML	- Expected Measured Loss
EPL	- Echo Path Loss
ERL	- Echo Return Loss
ESCON	- Enterprise Systems Connection
ESS	- Electronic Switching System
ESSX	- Electronic Switching System Exchange
F	- frequency

(D)

ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements (Cont'd)2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)2.7.1.1 Credit Allowance for Service Interruption (Cont'd)(A) General (Cont'd)

- (6) For Verizon Dedicated SONET Ring (DSR) Service, any outage greater than one (1) minute and due solely to a Telephone Company facility failure will result in a credit of 100% of the monthly rate for the applicable rate elements of the affected service. Only one such credit is allowed in a single month's billing period. When DSR as set forth in Section 20.2 following is arranged with subtending rings, a credit allowance for a service interruption is applied independently to each ring. For example, if the main DSR becomes interrupted and is eligible for a credit allowance, no credit allowance is due on the subtending ring(s) associated with that main ring unless service on the subtending ring(s) is also interrupted.
- (7) For IntelliLight® Entrance Facilities, any single service outage of one (1) hour or more and due solely to a Telephone Company facility failure will result in a credit of one hundred percent (100%) of the monthly rate for the applicable IEF rate elements affected. Only one such credit is allowed in a single month's billing period.
- (8) The credit allowance for all other Optical Networking access services will be as shown in 2.7.1.1(B).

(B) Special Access Services

- (1) For Special Access Services (other than VideoConnect® TV-1 Analog/ Services) and for Switched Access Entrance Facilities, Direct-Trunked Transport and Multiplexing services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. (D)

The monthly charges used to determine the credit shall be as follows:

- (a) For two point services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with the service (i.e., two circuit terminations, circuit mileage and optional features and functions).
- (b) For multipoint services, the monthly charge subject to credit shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a circuit termination per customer premises, circuit mileage and optional features and functions).
- (c) For multiplexed services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the circuit termination, circuit mileage and optional features and functions, including the multiplexer on the facility to the hub, and the circuit terminations, circuit mileage and optional features and functions on the individual services from the hub). When the service which rides a circuit of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., circuit termination, circuit mileage and optional features and functions).

ACCESS SERVICE

2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)
- (B) Special Access Services (Cont'd)
 - (2) For VideoConnect® TV-1 Analog Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows: (D)
 - (a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues. (D)
(D)
 - (e) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption. (T)
 - (3) For certain Special Access services (Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

ACCESS SERVICE

- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)

(B) Special Access Services (Cont'd)

- (4) Except as noted, all Special Access Services will be eligible for a credit allowance for each occurrence of a service interruption period greater than 30 minutes. The maximum credit allowance will be \$200.00 for each out of service condition within the Telephone Company's facilities and will not exceed the monthly charge for the interrupted service. The credit allowance will not be applied more than once per calendar month. This credit allowance is applicable in all jurisdictions. The credit allowance is in addition to the credit allowance in 2.7.1.1(B)(1). A credit allowance will not be extended in accordance with conditions in 2.1.3 and 2.7.4(B) for repair of Telephone Company owned facilities.

The exceptions to this credit allowance are VideoConnect®TV-1 Analog Services in 7.7, Individual Case Basis (D) Services in 7.12 and Specialized Service Arrangements in 12.

* Section 2.7.1.1(B)(4) is not available for Special Access Services installed after June 1, 2006. The preceding sentence applies to both Special Access Services that are provided on a month-to-month basis and Special Access Services that are provided under a Discount Plan (as defined below).

For Special Access Services installed on or before June 1, 2006, Section 2.7.1.1(B)(4) will not be available as follows:

- (a) For Special Access Services provided on a month-to-month basis, after June 1, 2006.
- (b) For Special Access Services provided under a Discount Plan (as defined below), after the date of expiration, termination, or cancellation of the Discount Plan commitment period that is in effect on June 1, 2006.
- (c) For Special Access Services provided under a Discount Plan (as defined below) that are covered by a National Service Level Agreement Plan, during the period that a customer participates in such National Service Level Agreement Plan. The customer has the option to subscribe to National Service Level Agreement Plans as set forth in Section 2.7.3 and/or Section 7.2.8 following. Nothing in this paragraph (c) shall in any way limit the effect of paragraph (b) preceding.

As used in this note, "Discount Plan" means any tariff arrangement for the provision of Special Access Services other than on a month-to-month basis.

For any month for which a Special Access Service receives a credit allowance under Section 2.7.1.1(B)(4), that Special Access Service shall not receive a credit allowance under Section 2.7.1.1(B)(5).

ACCESS SERVICE**2. General Regulations (Cont'd)****2.7 Service Level Agreements (Cont'd)****2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)****2.7.1.1 Credit Allowance for Service Interruption (Cont'd)****(B) Special Access Services (Cont'd)**

- (5) 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 2.7.4(B) following. The SASG credit allowance will apply to Voice Grade, monthly VideoConnect® (D) TV-1 Analog, Digital Data Service (DDS), and High Capacity DS1 (excluding the portion of a DS1 service that is derived at a customer designated premises using a DS3 Premises Multiplexer) & DS3 Special Access services (collectively, Special Access Services).

The customer has the option to subscribe to National SLA Plans as set forth in Section 2.7.3 following. When a customer subscribes to a National SLA Plan, credit allowances under this Section 2.7.1.1(B)(5) do not apply to services covered by the National SLA Plan.

If a Special Access Service 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, and if customer is eligible to receive the SASG credit allowance, customer shall receive the SASG credit in a later invoice. Except as stated in this tariff, 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 for a given billing period shall not exceed the total applicable monthly charge paid by the customer for such Special Access Service. 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 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

- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)
- (B) Special Access Services (Cont'd)
- (5) (Cont'd)

The SASG credit allowance for each applicable service is listed below and applies to all states:

<u>Service</u>	<u>SASG (per circuit)</u>
Voice Grade	20.00
VideoConnect® TV-1 Analog (monthly)	100.00
Digital Data Service (DDS)	
2.4 kbps	40.00
4.8 kbps	45.00
9.6 kbps	50.00
19.2 kbps	55.00
56.0 kbps	60.00
64.0 kbps	65.00
High Capacity	
DS1	160.00
DS3	400.00

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ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.3 Minimum Period Charges

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

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

- (B) Except as specifically stated in other sections of this tariff, the Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service excluding Entrance Facility and Direct-Trunked Transport elements, the charge for a month or fraction thereof is equal to the sum of the applicable switched access rates times the actual usage for the month as set forth in 6.5.7(B) following.

For Special Access Service, Switched Access Entrance Facility, and Direct-Trunked Transport services the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.2.3 and 6.6 following.

The Minimum Period Charge for part-time Television Services is the applicable daily rate for the service as set forth (D) in 7.2.3 following.

For the Presubscribed Interexchange Carrier Charge, the charge is the applicable monthly rate as set forth in 3.5.

For Optical Networking services, the charge is the applicable monthly rate as set forth in 20.2 following.

For services provided under a National Discount Plan (NDP), the discount percentage specified in Section 22.1 following shall be applied to the applicable monthly rates.

ACCESS SERVICE**7. Special Access Service****7.1 Provision of Special Access Service**

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed, or through a DS3 Premises Multiplexer at a customer designated premises where multiplexing functions are performed, or to connect a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

7.1.1 Circuit Types

There are five types of circuits used to provide Special Access Services:

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- Voice Grade (VG)
- VideoConnect® TV-1 Analog (TV)
- Digital Data (DA)
- High Capacity (HC)
- LAN Extension Service (LES)

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These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Telephone Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

ACCESS SERVICE

7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.3 through 7.10 following, in a matrix format 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.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-NWT-000335, Issue 3 *
	PUB 41004, Table 4
Video	GR- 338-CORE, Issue 1 *
Digital Data	TR-NWT-000341, Issue 2 *
	PUB 62310
High Capacity	GR-342-CORE, Issue 1 *
	GR-54-CORE, Issue 1 *

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GR- 338-CORE, Issue 1, replaces TR- NPL-000338 in its entirety.
 GR-342-CORE, Issue 1, replaces TR-NPL-000342 in its entirety.
 GR-54-CORE, Issue 1, replaces 62411 and TR-NPL-000054 in their entirety.
 TR-NWT-000335, Issue 3, replaces TR-NPL-000335 in its entirety.
 TR-NWT-000341, Issue 2, replaces TR-NPL-000341 in its entirety.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. 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 optional features for which non-recurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability

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- DS3 Premises Multiplexer

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.3.1 preceding.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 7.2.1(D)(4).

Changes from a point-to-point DS3 High Capacity Service to a point-to-point DS3 High Capacity Service provided with the DS3 Premises Multiplexer optional feature, as set forth in Section 7.11.4(5) following, are treated as a discontinuance of the service and an installation of a new service.

Changes from a DS3 High Capacity Service multiplexed at a Telephone Company Hub to a point-to-point DS3 High Capacity Service provided with the DS3 Premises Multiplexer optional feature, as set forth in Section 7.11.4(5) following, are treated as a discontinuance of the service and an installation of a new service.

Changes involving the retermination of a Special Access DS1 High Capacity Service from a channel assignment on a DS3 to DS1 multiplexing arrangement at a Telephone Company Hub to a channel assignment on a DS3 Premises Multiplexer, as set forth in Section 7.11.4(5) following, are treated as a discontinuance of the service and an installation of a new service.

- (a) Administrative changes will be made without charge(s) to the customer.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.2 Minimum Periods

The minimum service period for all services except High Capacity DS3 services is one month. The minimum (D)
period for High Capacity DS3 Service is that period requested by the customer as set forth in Section 7.2.6 (B)
following.

The minimum service periods for High Capacity DS3 Services and High Capacity DS1 Services that are included
in a National Discount Plan are set forth in Section 22.1.8 following.

7.2.3 Application of Rates

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(A) Monthly Rates

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

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Rate Categories, Applications, and Regulations (Cont'd)****7.2.4 Facility Hubs and Multiplexing**

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., DS1, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Voice, etc.). (D) Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

When a DS3 High Capacity Service is multiplexed at a customer designated premises, such configuration is not a Telephone Company Hub for purposes of administering the terms and conditions of this tariff.

For DS3 High Capacity Service, multiplexing functions may also be performed at a customer designated premises using the DS3 Premises Multiplexer optional feature set forth in Section 7.11.4(5) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.4 Facility Hubs and Multiplexing (Cont'd)

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer designated premises will be that of the lower capacity or bit rate.

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

Cascading multiplexing occurs when a high capacity circuit is de-multiplexed to provide circuits with a lesser capacity and one of the lesser capacity circuits is further demultiplexed. When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Circuit Mileage charges also apply between the hubs.

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7. Special Access Service (Cont'd)

7.6 (Reserved for Future Use)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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7. Special Access Services (Cont'd)

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

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

9.3.5 Compatible Channel Interfaces (Cont'd)

(D) (Reserved) (C)

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(E) VideoConnect® TV-1 Analog

Compatible CIs

02TV7.15	02TV7.15
04TV6.15	04TV6.15
	04TV6.15A
04TV6.15A	04TV6.15A
	04TV6.15
04TV6.20A	04TV6.20A
	04TV6.20
04TV7.15	04TV7.15
04TV7.15A	04TV7.15A
04TV7.20A	04TV7.20A
06TV6.15	06TV6.15
	06TV6.15A
06TV6.15A	06TV6.15A
	06TV6.15
06TV6.20A	06TV6.20A
06TV7.15	06TV7.15
08TV6.15A	08TV6.15A
10TV6.15A	10TV6.15A
10TV6.20A	10TV6.20A

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21. Operating Territories of the Verizon Telephone Companies (Cont'd)

21.3 Competitive and Non-Competitive Counties (Cont'd)

(A) General (Cont'd)

(2) The Special Access services which are subject to price bands are as follows:

- Voice Grade
- Digital Data Service (DDS)
- Video
- High Capacity DS1 and DS3
- High Capacity Fractional T1
- Point to Point SONET service facilities
- MetroLAN Special Transport
- High Voltage Protection
- Banded Optical Transport
- Custom Connect DS1, DS3, and STS1 Riders, and DS1 and DS3/STS1 Shared Transport
- Verizon Dedicated SONET ring DS1, DS3, DS3 Transmux and STS1 Ports, DS1, DS3 and STS1 Partial Ring Channel Mapping
- IntelliLight Entrance Facilities (IEF)
- Federal Government Banded Optical Transport

(D)