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Title Pages 1 to 3 and Pages 1 to 24-10 inclusive, of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 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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EXPLANATION OF ABBREVIATIONS (Cont'd)

ECCKT - Exchange Carrier Circuit ID
ELEPL - Equal Level Echo Path Loss
E&M - The Receive and Transmit Leads of a Signaling System
EML - Expected Measured Loss
EPL - Echo Path Loss
ERL - Echo Return Loss
ESCON – Enterprise Systems CONnection
f - frequency
FCC - Federal Communications Commission
FCO - Foreign Central Office Service
FIA - Facilities for Interstate Access
FICON – Fibre CONnection
FNPA - Foreign Numbering Plan Area
GTOC - Operating Telephone Companies of GTE Corporation
GSEC - General Services and Equipment Code
HC - High Capacity
HNPA - Home Numbering Plan Area
Hz - Hertz
IA - Interface Arrangement
IC - Interexchange Carrier
ICB - Individual Case Basis
IDDD - International Direct Distance Dialing
ILP - Initial Liability Period

(D)

IP - Interconnection Point
ISC – InterSystem Channel
kbps - kilobits per second
kHz - kilohertz
LATA - Local Access and Transport Area
LEC - Local Exchange Carrier
Ma - Milliampere
Mbps - Megabits per second
MHz - Megahertz
MJU - Multi-Junction Unit
MRC - Monthly Recurring Charge
MST - Manual Scheduled Testing
MTL - Maximum Termination Liability
NA - Not Available
NANP - North American Numbering Plan
NDP – National Discount Plan
NECA - National Exchange Carrier Association
N-MSA – Non Qualifying Metropolitan Statistical Area
NMM – Network Management Methods
NG-ADM – Next Generation Add/Drop Multiplexing
NPA - Numbering Plan Area
NRC - Nonrecurring Charge
NST - Nonscheduled Testing
NXX - Three Digit Central Office Code

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FACILITIES FOR INTERSTATE ACCESS

2. GENERAL REGULATIONS (Cont'd)2.6 Definitions (Cont'd)Network Channel Interface Code

The "Network Channel Interface" code (NCI) is an ordering code that provides an indication of the generic channel type. The NCI code provides the technical characteristics of the interface and describes the physical and electrical characteristics of the special access interface to the customer designated locations. A complete description and listing of these interface codes is specified in Section 6103 of the GTE Technical Interface Reference Manual.

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(D)Non-Competitive County

The term "Non-Competitive County" denotes the geographic unit of a county or county-equivalent that failed a competitive market test specified by the FCC (excluding those that were granted Phase II, Level 2 pricing flexibility prior to June 1, 2017).

Non-Competitive End User Special Access Line

The term "Non-Competitive End User Special Access Line" denotes a Special Access SAL at an End User Customer Designated Location served by a wire center in a Non-Competitive County as listed in Section 19.2 following.

Non-Overlap Outpulsing

The term "Non-Overlap Outpulsing" is the feature of the exchange access signaling system which provides initiation of pulsing to the customer's premises after the calling subscriber has completed dialing an originating call.

Nonrecoverable Cost

The term "Nonrecoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the customer terminate service.

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area or Numbering Plan Area (NPA) code and a seven-digit telephone number made up of a three-digit Central Office code (NXX) plus a four-digit station number (XXXX).

NSEP Treatment

The term "NSEP Treatment" denotes the provisioning of a telecommunications service before others based on the provisioning priority level assigned by the Executive Office of the President.

Octet

The term "Octet" denotes a group of eight binary digits operated upon as an entity.

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- (9) An out of service credit will apply for the following Optical Networking rate elements, where applicable, should the service be interrupted due to the Telephone Company's system's failure to switch to protected electronics and/or facilities within one (1) second in those locations connected to the Telephone Company surveillance system unless such interruptions are a result of conditions outside the Telephone Company's control:

- Shared Ring Connect
- Ring Connect
- LAN-wide Premium Transport
- Ring-per-mile Transport

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- Custom Connect configured via a ring topology

Credit will be predicated on information provided by the Telephone Company's and the customer's network surveillance systems associated with this service arrangement. The Telephone Company and the customer shall each have the opportunity to perform an annual inspection of the other party's network surveillance system to confirm its accuracy. The out-of-service credit will be calculated based on the monthly rate element charges of that portion of the inter-office network rendered inoperative. A maximum limit of one months recurring charge per rate element will be allotted for an interruption or series of interruptions within any one billing period.

The credit allowance for all other Optical Networking access services will be as shown in 2.8.1.1(A)(1) and (3).

- (10) Reserved.

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2.8.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.8.1.1 Credit Allowance for FIA Interruptions (Cont'd)

(A) General (Cont'd)

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- (11) For Verizon Optical Networking (VON) Service, any outage due solely to a Telephone Company facility failure will result in a credit of 100 % of the monthly recurring charges for the portion of the service affected. Only one such credit is allowed in a single month's billing period.

The following credits will be applied.

- For protected On-Net Channel Extensions and On-Net Channel Mileage, a credit of 100% of one month's recurring charge for the VON service will apply for any outage that exceeds one minute.
- For unprotected On-Net Channel Extensions a credit of 100% of one month's recurring charge for the VON service will apply if the total outage time exceeds 4 hours.
- For VON services that consist of both unprotected and protected service components, the credit allowance that applies for each outage will be based on the credit allowance provisions for unprotected channels.

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2.8.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.8.1.1 Credit Allowance for FIA Interruptions (Cont'd)

(A) General (Cont'd)

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- (12) 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.

(B) When a Credit Allowance Does Not Apply

Services will not be eligible for credits when any of the conditions set forth in Section 2.8.4(B) following exist.

(C) Use of an Alternative Service Provided by the Telephone Company

Should the customer elect to use an alternative service provided by the Telephone Company during the period that a FIA is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(D) Temporary Surrender of a FIA

In certain instances, the customer may be requested to surrender a FIA for purposes other than maintenance, testing or activity relating to an ASR. If the customer consents, or in the instance of preemption under NSEP Treatment as set forth in Section 2.1.9 preceding, a credit allowance will be granted. The credit allowance will be determined in accordance with 2.8.1.1(A) and (B) preceding.

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2. GENERAL REGULATIONS (Cont'd)

2.8. Service Level Agreements (Cont'd)

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

(A) Performance Commitment Program/On Time Provisioning (Cont'd)

- (11) The customer requests Specialized Service or Arrangements as set forth in Section 7 following or services for which rates were developed on an Individual Case Basis (ICB); or
- (12) The order is for Service Rearrangements or Moves as described in Section 5.6.1(F)(6) and 5.6.4 following, respectively; or
- (13) Provision of service is delayed due to the Telephone Company's provision of Telecom Service Priority (TSP) System as described in Section 6.4 following; or
- (14) A delay or failure in the provision of service is required, permitted or excused by this Tariff; or
- (15) Provision of service is delayed due to acts of God or the public enemy, compliance with any law or any regulation or order of any governmental authority, acts of terrorism, war, rebellion, insurrection or sabotage or damage resulting therefrom, fires, floods, earthquakes, volcanic action, unusually severe weather, explosions, washouts, rules and regulations with regard to common carriers, accidents, epidemics, riots, strikes or other concerted acts of employees, whether direct or indirect, lockouts or other industrial disturbances, whether direct or indirect, worms, viruses or other contaminants that may cause damage to or disable software, computer or electronic systems, or any similar cause, or other causes beyond the Telephone Company's reasonable control; or
- (16) The order is for Expanded Interconnection Services as described in Section 17 following; or
- (17) The order is for Optical Networking Access Services as described in Section 20 following.

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2.8. Service Level Agreements (Cont'd)

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

(B) FIA Interruptions/Mean Time to Restore/Availability (Cont'd)

- (8) For periods when the customer elects not to release the service for testing and/or repair; or
- (9) For periods of temporary discontinuance as set forth in Section 2.2.1 preceding; or
- (10) During periods of interruption as set forth in Section 6.3 following; or
- (11) When an interruption is required, permitted or excused by this tariff; or
- (12) For interruptions, failures or delays due to acts of God or the public enemy, compliance with any law or any regulation or order of any governmental authority, acts of terrorism, war, rebellion, insurrection or sabotage or damage resulting therefrom, fires, floods, earthquakes, volcanic action, unusually severe weather, explosions, washouts, rules and regulations with regard to common carriers, accidents, epidemics, riots, strikes or other concerted acts of employees, whether direct or indirect, lockouts or other industrial disturbances, whether direct or indirect, worms, viruses or other contaminants that may cause damage to or disable software, computer or electronic systems, or any similar cause, or other causes beyond the Telephone Company's reasonable control (except that, this Section 2.8.4(B)(12) does not apply to Section 2.8.1.1, excluding the SASG as set forth in Section 2.8.1.1(A)(4), to which this Section 2.8.4(B)(12) shall apply); or
- (13) For an interruption, or a group of interruptions resulting from a common cause, for amounts less than one dollar; or

- (14) For any interruption of an EIS or EIS elements as described in Section 17 following.

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2. GENERAL REGULATIONS (Cont'd)2.9 Sale or Transfer of a Verizon Operating Telephone Company's Assets and/or Stock to an Unaffiliated Third Party (Cont'd)2.9.2 Undertaking of the Telephone Company Following a Transfer (Cont'd)

(A) (Cont'd)

(D)

- TCP/IP Data Aggregation Service as set forth in Section 16.5 following

In the event of a Transfer, the following applies.

- (1) The Telephone Company will, consistent with the service offering, determine if the customer satisfies the Minimum Requirement for the service offering with the reduced quantity of services the Telephone Company provides to the customer following the Transfer; and
- (2) if the customer does not satisfy the Minimum Requirement following the Transfer, determine if the customer would have satisfied the Minimum Requirement had the Transfer not occurred. If the customer would have satisfied the Minimum Requirement had the Transfer not occurred, then no further action shall be taken and the customer will be considered to have satisfied the Minimum Requirement. If the customer would not have satisfied the Minimum Requirement had the Transfer not occurred, then the terms and conditions for such result shall apply under the applicable service offering, except that the calculation of any penalty associated with not satisfying the Minimum Requirement shall be reduced pro-rata to reflect the Transfer. Upon renewal of the customer's commitment period for such service offering or subsequent subscription to such service offering, as applicable, the terms and conditions set forth in the applicable section(s) of this tariff shall apply, including satisfying the Minimum Requirement for such service offering using only the quantity of services the customer purchases from the Telephone Company at the time of renewal or subsequent subscription.

For example, assume Verizon North LLC transfers a portion of its assets to an unaffiliated third party. Further assume that a customer subscribes to Call Management Signaling Service under Section 6.19(D) following which has a minimum monthly billing of one million (1,000,000) call signals per month. Also assume that following the Transfer, the volume of call signals recorded for the customer at the next scheduled review is nine hundred fifty thousand (950,000), and that an estimated one hundred thousand (100,000) call signals were associated with the services transferred to the unaffiliated third party. In this case, the Telephone Company would determine if the customer would have satisfied the minimum number of call signals had the Transfer not occurred by adding (i) the estimated number of call signals associated with the services transferred to the unaffiliated third party and; (ii) the recorded number of call signals for the period of review $[950,000 + 100,000 = 1,050,000 \text{ call signals}]$. Based on this calculation, the customer would have satisfied the Minimum Requirement and will not incur any shortfall charges. However, if the result of such calculation was that the customer still did not satisfy the Minimum Requirement for the service, then the terms and conditions for such result shall apply under Section 6.19(D) following, except that the calculation of shortfall charges shall be reduced pro-rata to reflect the Transfer.

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3. ORDERING OPTIONS FOR FIA (Cont'd)3.1 General (Cont'd)3.1.1 Ordering Conditions (Cont'd)

- (L) When ordering Signaling System 7 (SS7) Out of Band Signaling as described in 4.2.5(AA), the customer shall provide an ASR specifying a reference to existing CCS7 Access service facilities or reference to a related ASR for CCS7 Access service as described in 3.1.1(G). The customer's ASR shall also include STP point codes, STP location identifier codes, FGD or BSA-D trunk or Toll Free* Service Access trunk circuit identification codes, and switch type. When ordering SS7 Out of Band Signaling for FGD or BSA-D, the customer shall specify that all traffic carried by that FGD or BSA-D will be equipped with out of band signaling. The customer shall work cooperatively with the Telephone Company to determine the number of CCS7 Access service connections required to handle the customer's SS7 Out of Band Signaling traffic.
- (M) When ordering Expanded Interconnection Services (EIS) as described in 17.5, the customer shall place an ASR for the Cross Connect, as described in 4.5.3 and 5.1.1(D), to interconnect the facilities of the Telephone Company to the facilities of the customer. Each service application used in conjunction with EIS will require a separate ASR. When ordering additions or changes to the existing EIS facilities, the customer must refer to the specific EIS facilities affected by the addition or change.
- (N) When a customer orders Tandem Switch Signaling (TSS), as described in 4.2.5(AC) and 4.2.21, to be established with the installation of a new FGD or BSA-D trunk group, 500 SAC Access Service, or 900 SAC Access Service trunk group, the Switched Access Ordering charge, per ASR and the appropriate Service Installation charge will apply for the installation of the FGD or BSA-D or 900 SAC Access services.

When a customer orders Tandem Switch Signaling to be added to an existing FGD or BSA-D trunk group, 500 SAC Access Service or 900 SAC Access Service trunk group or to a pending ASR, only the Switched Access Ordering charge and the Design Change charge will apply for the addition of the optional arrangement.
- (O) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 4.2.5(T), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD or BSA-D Switched Access Service over which resulting originating 950-XXXX access code calls are to be routed.
- (P) When ordering Carrier Identification Parameter (CIP) as described in 4.2.5(AE), the customer shall provide an ASR specifying a reference to existing FGD or BSA-D switched access services or reference to a related ASR for FGD or BSA-D switched access services. The customer's ASR shall specify the information necessary to identify the trunk group to which the CIP is to be added.

* "Toll Free" is considered to mean any access service which utilizes any of the following NPAs: 800, 888, 877, 866, 855, 844, 833, and 822 as they become available to the industry.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.2 Provision of EIS (Cont'd)

17.2.1 General (Cont'd)

(B) EIS arrangements are available for Switched Access and DS0 (operating at 64Kbps), 10 Mbps, 100 Mbps, 1 Gbps, Gigabit partial rate or full rate Ethernet services, DS1 (1,544 Mbps) and DS3 (45Mbps) Special Access transmission facilities and terminating equipment that terminate to Telephone Company wire center or access tandem facilities in or near Telephone Company buildings.

- Switched Access
- Special Access DS0 (operating at 64 Kbps bandwidths)

The DS0 Cross Connect can accommodate 64Kbps DDS.

- Special Access 10 Mbps, 100 Mbps or 1 Gbps

The 10 Mbps, 100 Mbps and 1 Gbps Cross Connect arrangements are available for EIS arrangements in association with detariffed LAN Extension Service.

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- Special Access DS1 (1.544 Mbps)
- Special Access DS3 (45 Mbps)
- Transparent LAN Service
- Optical Facility Terminations

Optical Facility Terminations are available for EIS arrangements in association with Dark Fiber DTS as set forth in Section 18 following and for certain Optical Networking Services, (including Gigabit partial rate or full rate Ethernet services), IP Port services and advanced data services that require fiber optic interconnection to Telephone Company services. Optical Facility Terminations are set forth in 17.9.3 following.

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19. Wire Center Information (Cont'd)

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

(A) General (Cont'd)

The Special Access services under this tariff which are subject to price bands are as follows:

- Custom Connect DS1, DS3, STS1 Riders and DS1/DS3 Transport

- IntelliLight Entrance Facilities (IEF)

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