

ACCESS SERVICE**CHECK SHEET**

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ACCESS SERVICE**EXPLANATION OF ABBREVIATIONS** (Cont'd)

FRAS	- Frame Relay Access Service	
HC	- High Capacity	
Hz	- Hertz	
C	- Interexchange Carrier	
ICB	- Individual Case Basis	
ICL	- Inserted Connection Loss	
IP	- Internet Protocol	(N)
IPG	- Internet Protocol Gateway Access Service	(N)
ISDN BRI	- Integrated Services Digital Network Basic Rate Interface	
ISDN PRI	- Integrated Services Digital Network Primary Rate Interface	
kbps	- kilobits per second	
kHz	- kilohertz	
LAN	- Local Area Network	
LATA	- Local Access and Transport Area	
LNP	- Local Number Portability	
LRN	- Location Routing Number	
ma	- milliamperes	
Mbps	- Megabits per second	
mcs	- Microsecond	
MHz	- Megahertz	
MM-VCC	- MultiMedia Virtual Circuit Channel	
MRC	- Monthly Recurring Charge	
MT	- Metallic	
MTS	- Message Telecommunications Service(s)	
NNI	- Network to Network Interface	
MTSO	- Mobile Telephone Switching Office	
NPA	- Numbering Plan Area	
NRC	- Nonrecurring Charge	
NXX	- Three-Digit Central Office Prefix	
OC	- Optical Carrier	
OLT	- Optical Line Termination	
PBX	- Private Branch Exchange	
PIC	- Presubscribed Interexchange Carrier	
POT	- Point of Termination	
PSTN	- Public Switched Telephone Network	
PVC	- Permanent Virtual Connection	
SAC	- Service Access Code	
SDSL	- Symmetric Digital Subscriber Line	
SNAL	- Signaling Network Access Line	
SONET	- Synchronous Optical Network	
SP	- Signaling Point	
SPOI	- Signaling Point of Interface	
SRL	- Singing Return Loss	
SSP	- Service Switching Point	
SS7	- Signaling System 7	
STP	- Signal Transfer point	
STS	- Synchronous Transport Signal	
SWC	- Serving Wire Center	
TDM	- Time Division Multiplexing	
TG	- Telegraph Grade	

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ITU-T G.984.2-March 2003, Gigabit-Capable Passive Optical Networks (GPON): Physical Media Dependent (PMD) Layer Specification.

ITU-T G.984.3-March 2008, Gigabit-Capable Passive Optical Networks (GPON): Transmission Convergence Layer Specification.

ITU-T G.984.4-February 2008, Gigabit-Capable Passive Optical Networks (GPON): ONT Management and Control Interface Specification.

ITU-T G.992.5-January 2005, Asymmetric Digital Subscriber Line (ADSL) Transceivers—Extended Bandwidth ADSL2 (ADSL2+).

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from the International Telecommunications Union Telecommunication Standardization Sector (ITU-T) Place des Nations, 1211 Geneva 20, Switzerland (www.itu.int/rec/T-REC-H/e).

ITU-T H.225.0-May 2006 Call Signalling Protocols and Media Stream Packetization for Packet-Based Multimedia Communication Systems.

ITU-T H.245-June 2008, Control Protocol for Multimedia Communication.

ITU-T H.323-June 2006, Packet-Based Multimedia Communications Systems.

(N)
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(N)

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ACCESS SERVICE2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors

- (a) As specified in Section 5.2.1, following, the customer will provide a projected PIU for each Switched Access Service for each end office when placing its order. Such PIU factors are applied to all usage rated elements (including but not limited to Information Surcharge, Local Switching, and Tandem Switched Transport), where the Telephone Company does not receive sufficient call detail to determine the jurisdiction of the usage.

If the customer fails to provide a PIU factor on its order for service, the following provisions apply:

- (i) For originating access minutes, when the call detail is adequate to determine the appropriate jurisdiction and when the Feature Group C or Feature Group D access minutes of use are measured, the Telephone Company will develop PIU factor(s) on a monthly basis by end office by dividing the customer's measured interstate originating access minutes (the access minutes where the calling party is in one state and the called party is in another state) by the customer's total originating access minutes. (T)
- (ii) For terminating access minutes, other than as specified in (iii), below, the same data used by the Telephone Company to develop the PIU factor for originating access minutes will be used to develop the PIU factor for such terminating access minutes. (C)
(C)

Transmittal No. 184

ACCESS SERVICE2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors (Cont'd)

- (iii) For terminating Feature Group D access minutes used in conjunction with Internet Protocol Gateway Access Service (IPG) as described in Section 16.9, following, the Telephone Company will apply a default PIU of 50% to the IPG customer's terminating access minutes. (N)

The Telephone Company developed PIU factor(s) described in this section will only be used for minutes of use for which the Telephone Company does not have sufficient call detail to determine the jurisdiction until such time as the customer provides updated PIU factor(s) for these services. (N)

- (b) Separate PIUs are required for flat rated Entrance Facilities, Direct Trunked Transport Facilities, and Switched Access Services Optional Features and Functions. The PIU factor(s) for use with such flat rated elements will reflect the combination of originating and terminating traffic of all services using such facilities.

If the customer fails to provide a PIU factor on its order for service, the Telephone Company will apply the PIU factor it developed pursuant to (2)(a), above, against the customer's flat rated Switched Access Services to apportion those changes between the jurisdictions.

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7852 Walker Drive, Greenbelt, MD 20770

ACCESS SERVICE2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(F) Rounding of Charges

When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those services set forth in Section 6 (Switched Access usage rated services, Switched Access High Capacity DS3 Entrance Facility and Direct Trunked Transport, Switched Access Synchronous Optical Channel OC3 and OC12 Entrance Facility and Direct Trunked Transport), Section 7 (Special Access Part-time Video and Program Audio, Special Access High Capacity Service, Special Access Synchronous Optical Channel Service, Frame Relay Access Service), and Section 16 (Asynchronous Transfer Mode Cell Relay Access Service Ports, Ethernet Transport Service), Internet Protocol Gateway Access Service or as otherwise specified. (C)

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in Section 12 following, is one month unless a different minimum period is established with the individual case filing.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

- (A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
- (B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, except for Special Access High Capacity Service, Special Access Synchronous Optical Channel Service, and Frame Relay Access Service Optional Rate Plans as set forth in Sections 5.5.1, 7.2.8, 7.2.9 and 16.1.3 following, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

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ACCESS SERVICE2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

Automatic Number Identification (ANI)

The term "Automatic Number Identification" denotes the Multi-Frequency (MF) signaling parameter that identifies the billing number of the calling party.

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bearer Channel

The term "Bearer Channel" denotes a basic communications channel with no enhanced or value-added service included other than the bandwidth transmission capability provided with the channel.

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(N)

Billing Name and Address

The term "Billing Name and Address" (BNA) means the name and address provided to a local exchange company by each of its local exchange customers to which the local exchange company directs bills for its services.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Broadband

The term "broadband", in the context of telecommunications services provided under this tariff, refers to services providing data or information transmission speeds over 200 kbps in at least one direction. Full broadband transmission services provide transmission at speeds over 200 kbps for both upstream and downstream transmissions.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location.

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ACCESS SERVICE5. Access Ordering (Cont'd)5.2 Ordering Requirements5.2.1 Switched Access Service

Except as provided for in Section 5.2.1(E), following, when ordering Switched Access service, the customer must specify whether the service is to be provided as (1) Direct Trunked Transport to the end office, (2) Direct Trunked Transport to a tandem which connects with Tandem Switched Transport from the tandem to the end office or (3) Tandem Switched Transport to the end office. When all or a portion of service is ordered as Direct Trunked Transport, the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade or High Capacity DS1 or DS3).

(C)

Except as provided for in Section 5.2.1(E), following, the Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

(C)

Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. No. 4.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in 6.4.6 following.

At the customer's request, its Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

ACCESS SERVICE5. Access Ordering (Cont'd)5.2 Order Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling

The ordering requirements for Feature Group D Switched Access Service used in conjunction with Internet Protocol Gateway Access Service are specified in Section 5.2.1(E), following.

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When placing an order for Feature Group C and D Switched Access Service, the customer shall provide:

- The number of BHMC from the customer designated premises to the end office or Operator Transfer Service location by Feature Group and by type of BHMC or
- The number of trunks desired between customer designated premises and an entry switch or Operator Transfer Service location;
- The number of BHMC or trunks required for or to be converted to an SS7 Signaling capability;
- Optional Features;
- Interim NXX Translation options;
- Operator Transfer Service option;
- A projected Percentage of Interstate Use (PIU) as set forth in 2.3.11 preceding; and
- For Feature Group D switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

When BHMC information is provided it is used to determine the number of transmission paths as set forth in 6.2.5 following.

The BHMC may be determined by the customer in the following manner. For each day (8 am to 11 pm, Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 a.m. hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the 20 consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive 20 business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

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ACCESS SERVICE5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(C) Feature Group C, Feature Group D, Interim NXX Translation Operator Transfer Service And SS7 Signaling (Cont'd)

For the Operator Transfer Service Option ordered in conjunction with Feature Group C or Feature Group D Switched Access Service as set forth in 6.7.1 and 6.8.1 following, the customer must specify the number of trunks or BHMCs desired between its premises and the Telephone Company operator services location.

Operator Transfer Service is provided at operator services locations as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

(D) SS7 Optional Feature

When Feature Group C or D is ordered with the SS7 optional feature, in addition to information listed in 5.2.1(C) preceding, the customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

(E) Internet Protocol Gateway Access Service

When placing an order for Feature Group D Switched Access Service for use in conjunction with Internet Protocol Gateway Access Service (IPG) as described in Section 16.9, following, the customer shall provide:

- the number of BHMC between the IPG gateway SWC and each end office to which the IPG customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network and
- a projected Percentage of Interstate Use (PIU) as set forth in Section 2.3.11, preceding.

BHMC information is used to determine the number of transmission paths as set forth in Section 6.2.5, following.

(N)

(N)

ACCESS SERVICE5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.6 Frame Relay Access Service

When ordering Frame Relay Access Service, a minimum of two port connections are required for data to be transported between customer designated premises.

When placing an order for Frame Relay access Service the customer must specify:

- the number of Permanent Virtual Connections (PVCs) required;
- the location of the ports for each PVC;
- the Committed Information Rates (CIRs) that will be associated with each PVC;
- that the traffic consists of more than ten percent interstate traffic.

The port connecting the special access facility to the telephone company frame relay switch must be ordered and provided at the same speed as the special access facility.

When connecting to the port of another customer, the ordering customer must obtain authorization from the other customer.

When an extended PVC is ordered, the customer is responsible for placing the order with all telephone companies involved.

5.2.7 Internet Protocol Gateway Access Service (IPG)

When placing an order for IPG, the customer must specify:

- the customer designated premises;
- the number of IPG Port interface(s);
- the speed for each IPG Port;
- the number and bandwidth capacity for each IPG Transport Termination (IPG TT) and, where required, the number and bandwidth capacity for each IPG Transport Mileage Facility (IPG TMF) and IPG Transport Mileage Termination (IPG TMT);
- the type of signaling interface and bearer channel format requested that are compatible with the Technical Reference transmission standards listed in Section 16.9.3(B), following;

(N)

(N)

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.7 Internet Protocol Gateway Access Service (IPG) (Cont'd)

- that an order for Feature Group D Switched Access Service has been placed pursuant to the requirements specified in Section 5.2.1(E), preceding; and
- that the traffic consists of more than 10 percent interstate traffic.

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ACCESS SERVICE5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering5.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special Access, Public Packet Data Network, Switched Access, Directory Assistance, and Asymmetric Digital Subscriber Line Access Services. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special Access, Public Packet Data Network, Switched Access, Directory Assistance, and Asymmetric Digital Subscriber Line Access Services with the following exceptions:

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable;
- When a Design Change Charge is applicable;
- To administrative changes as set forth in 6.4.1(B)(3), 7.2.2(C)(3), 8.1.5(D), 16.1.2(B)(2)(b), 16.7.4(B)(2)(b), and 16.9.4(B)(2)(b) following; (C)
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order;
- When the Interim NXX Translation charge is applicable;
- When a Miscellaneous Service Order Charge is applicable;
- When a PIC Change Charge is applicable;
- When Payphone Service Providers (PSPs) obtain Coin Supervision Additive Service in conjunction with local exchange service lines for the provision of pay telephone service.
- To Local Number Portability (LNP) Services as set forth in Section 13.14 following.

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ACCESS SERVICE5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.2 Miscellaneous Service Order Charge (Cont'd)

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering (13.1);
- Overtime Installation (13.2.1);
- Standby Acceptance Testing (13.2.3);
- Testing and Maintenance with Other Telephone Companies when in conjunction with Acceptance Testing (13.2.4);
- Additional Cooperative Acceptance Testing (13.3.1(A)(1) and 13.3.1(B)(1)); and
- Coin supervision Additive Service (13.12).

5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Order change, the Telephone Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in 17.4.1(B) and (C) will apply on a per occurrence basis.

Any increase in the number of ordered: (1) Special Access Service channels, (2) Switched Access Service lines, trunks, busy hour minutes of capacity, (3) Frame Relay Connections and/or PVCs, (4) CCS/SS7 Port Terminations, (5) ATM-CRS Ports, Virtual Paths or Virtual Circuit Channels, (6) ETS Ports, ETS Channel Terminations, ETS Ethernet Virtual Connections or ETS Extended Ethernet Virtual Connections, or (7) IPG Ports, IPG Transport Terminations, IPG Transport Mileage Facilities or IPG Transports Mileage Terminations will be treated as a new Access Order (for the increased amount only).

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If order changes are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order change charges being incurred by the customer.

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ACCESS SERVICE5. Access Ordering (Cont'd)5.5 Minimum Periods and Cancellations5.5.1 Minimum Periods

The minimum period for part-time Video and Program Audio Special Access Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., 1/2 hour, 2 hours, 5 hours, etc.).

The minimum period for Switched Access High Capacity DS3 Entrance Facilities and Direct Trunked Transport is as set forth in 6.1.3 following. The minimum period for High Capacity DS1 and DS3 Special Access Services and the Frame Relay Access Service 1.544 Mbps Port is as set forth in 7.2.8 following. The minimum period for Asynchronous Transfer Mode Cell Relay Access Service is as set forth in Section 16.7.4(C), following. The minimum period for Ethernet Transport Service is as set forth in Section 16.4.5(C), following. The minimum period for Internet Protocol Gateway Access Service is as set forth in Section 16.9.4(C), following.

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(C)

Switched Access usage rate services (i.e., End Office Common Line, Tandem Switched Transport, and Residual Interconnection Charge) have no minimum period. The minimum period for which all other Access Service is provided and for which charges are applicable, is one month.

5.5.2 Development of Minimum Period Charges

When Access Service is disconnected after commencement of service but 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.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or Special Construction charge(s) that may be due; and
- (B) For Special Access Service, flat rated Switched Access Service and Public Packet Data Network Service the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.5 Minimum Period and Cancellations (Cont'd)

5.5.3 Cancellation of an Access Order (Cont'd)

- (D) If the Telephone Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

5.5.4 Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service channels or Switched Access Service lines, trunks, busy hour minutes of capacity or Frame Relay Ports and/or PVCs or CCS/SS7 Port Terminations; Asynchronous Transfer Mode Cell Relay Access Service Ports, Virtual Paths or Virtual Circuit Channels, ETS Ports, ETS Channel Terminations, ETS Ethernet Virtual Connections, ETS Extended Ethernet Virtual Connections, or IPG Ports, IPG Transport Terminations, IPG Transport Mileage Facilities or IPG Transport Mileage Terminations will be treated as a partial cancellation and charges will be determined as set forth in 5.5.3(B) preceding.

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ACCESS SERVICE**6. Switched Access Service****6.1 General**

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point communications path between a customer designated premises and an end user's premises or when used in conjunction with Internet Protocol Gateway Access Service (IPG) as described in Section 16.9, following, between an IPG SWC and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of common subscriber plant of the Telephone Company. Except as specified in Section 6.8.1(M), following, for Feature Group D Switched Access Service used in conjunction with IPG, Switched Access Service provides for the ability to originate calls from an end user's premises to a customer designated premises, and to terminate calls from a customer designated premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.3 and 6.5 through 6.9 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services, and whether it is provided in a Telephone Company end office that is equipped to provide equal or non-equal access. Rates and charges for Switched Access Service are set forth in 17.2 following. The application of rates for Switched Access Service is described in 6.4 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.4.5, 6.4.9, 6.5.1(H), 6.5.3, 6.6.1(G), 6.6.2(D), 6.7.1(F) and 6.8.1(E) following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.4.8 following.

The following provision applies to the treatment of Toll VoIP-PSTN Traffic pursuant to the Federal Communications Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Further Notice of Proposed Rulemaking in CC Docket Nos. 96-45 and 01-92; GN Docket No. 09-51; WC Docket Nos. 03-109, 05-337, 07-135 and 10-90; and WT Docket No. 10-208, adopted October 27, 2011 and released November 18, 2011 (FCC 11-161). In the absence of an interconnection agreement between the Telephone Company and the customer specifying the treatment of Toll VoIP-PSTN Traffic, the Telephone Company will bill the customer the applicable switched access rates and charges specified in Section 17.2, following, on all jurisdictionally interstate voice traffic identified as Toll VoIP-PSTN Traffic.

Switched Access Service purchased from the provisions of this tariff may be commingled with unbundled network elements or unbundled network element combinations purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36).

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements(A) Description

Switched Access Service is provided in four different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company first point of switching. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling, e.g., with or without access codes of various lengths and digits.

Except as provided in Section 6.8.1(M), following, the provision of each Feature Group requires Local Transport facilities including an Entrance Facility where required and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B, C, or D at Telephone Company designated WATS Serving Offices. In addition, IPG may, at the option of the customer, be connected with Feature Group D at Telephone Company designated IPG SWCs.

(C)

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There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade and High Capacity services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 15.1.2 following.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(A) Description (Cont'd)

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer designated premises or when used in conjunction with IPG as described in Section 6.8.1(M), following, from Telephone Exchange Service locations to the IPG SWC. Terminating calling permits the delivery of calls from the customer designated premises to Telephone Exchange Service locations or when used in conjunction with IPG as described in Section 6.8.1(M), following, from the IPG Switch to Telephone Exchange Service.

Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

There are various optional features associated with Local Transport, Common Switching and Transport Termination available with the Feature Groups. In addition, the Interim NXX Translation and Operator Transfer Service optional features are available with Feature Group C and Feature Group D.

Operator Transfer Services will be provided over FGC or FGD switched access service trunks from the operator service location to the customer's premises. Where required by technical limitations, a separate FGC or FGD trunk group will be established for Operator Transfer Service. The operator service location will provide trunk answer and disconnect supervisory signaling to the customer.

Detailed descriptions of each of the available Feature Groups are set forth in 6.5 through 6.9 following. Each Feature Group is described in terms of its specific physical characteristics and calling capabilities, the optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.9 following, unless specifically stated otherwise, are available at all Telephone Company end office switches.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(B) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC Access and FGD Access are furnished on a BHMC basis and on a per trunk basis as set forth in 5.2 preceding.

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are three major BHMC categories identified as: Originating, Terminating and Directory Assistance. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the customer or when used in conjunction with Internet Protocol Gateway Access Service, Originating BHMCs represent capacity within the operating territory of the Telephone Company for carrying traffic between the end user and an IPG SWC; Terminating BHMCs represent access capacity within a LATA for carrying traffic from the customer to the end user; or when used in conjunction with Internet Protocol Gateway Access Service, Terminating BHMCs represent capacity within the operating territory of the Telephone Company for carrying traffic between the end user and an IPG SWC; and, Directory Assistance BHMCs represent access capacity within a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGC Access or FGD Access in BHMCs, the customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the customer designated premises and the end office switch(es), which may be a Remote Switching Module(s) or WATs Serving Office, where the customer's traffic is switched to originate or terminate the customer's communications. When used in conjunction with IPG as specified in Section 16.9, following, the Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the IPG SWC and the end office switch(es) to terminate the customer's communications. Mileage measurement rules are set forth in Section 6.4.6, following and in this section.

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Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer designated premises) and in the terminating direction (from the customer designated premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz. The customer must specify the choice of facilities (i.e., Voice Grade 2 or 4 wire or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

Except when ordering Local Transport associated with IPG, the customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided. When ordering Local Transport associated with IPG, the customer must specify when ordering (1) the IPG switch and (2) the end office switch(es) to which the IPG customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.2 Undertaking of the Telephone Company (Cont'd)6.2.5 Determination of Number of Transmission Paths

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and Feature Groups (C) C and D when ordered on a per trunk basis the customer specifies the type of transport facilities and the number of channels in the order for service.

For Tandem Switched Transport, the Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C and D busy hour minutes of capacity ordered. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 6.1.1(B) preceding) for the end offices for each Feature Group ordered from a customer's designated premises or from an IPG SWC when the customer uses Feature Group D in conjunction with IPG as described in Section 16.9, following. The total busy hour minutes of capacity by type (e.g., originating, terminating, IDDD, Operator) for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of the end office switches only, or (3) the use of the tandem switches only.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for Local Transport is calculated on the airline distances between the end office switch, which may be a Remote Switching Module, (where the call carried by Local Transport originates or terminates) and the customer's serving wire center or between an end office switch, which may be a Remote Switching Module (where the call carried by Local Transport terminates) and an IPG SWC when the customer uses Feature Group D in conjunction with IPG as described in Section 16.9, following. When Direct Trunked Transport is ordered between the serving wire center and the end office, mileage is normally measured in one segment from the serving wire center to the end office. When Direct Trunked Transport is ordered between a serving wire center and a tandem and Tandem Switch Transport is ordered between the tandem and the end office, mileage is calculated separately for each segment. Exceptions to these methods are as set forth in (B) through (I) following. For SS7 signaling, the mileage to be used to determine the monthly rate for the Signaling Mileage Facility is calculated on the airline distance between the serving wire center associated with the customer's designated premises (Signaling Point of Interface) and the Telephone Company wire center providing the STP Port.

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Where applicable, the V&H coordinates method is used to determine mileage. This method is set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 for Wire Center Information (V&H coordinates).

Mileage rates are as set forth in 17.2.2 following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate.

Exceptions to the mileage measurement rules are as follows:

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement (Cont'd)(H) Feature Groups B, C, and D - Remote Offices (Cont'd)

When service to the remote is ordered as only Tandem Switched Facility, mileage will be separately measured between the serving wire center and the host and between the host and the end office. The Tandem Switching charge would be applicable at the tandem.

(I) Use of Telephone Company Hub

When multiplexing is performed at Telephone Company Hubs, mileage is computed and rates applied separately for each segment of the Local Transport Direct Trunked Facility (i.e., customer serving wire center to Hub, Hub to Hub, and/or Hub to end office).

(J) Feature Group D – Connect with Internet Protocol Gateway Access Service

When required, the Tandem Switched Facility mileage for Feature Group D Switched Access Service connected with IPG will be measured as described below.

- When the IPG SWC is located at the Telephone Company's tandem office and traffic is to be originated from or terminated to the end office, the Tandem Switched Facility mileage will be measured between the IPG SWC and the end office.
- When the IPG SWC is located at the Telephone Company's tandem office and traffic is to be originated from or terminated to a host/remote complex, the Tandem Switched Facility mileage will be measured in multiple segments. The first segment will be measured between the IPG SWC and the host office and the second segment will be measured between the host office and subtending remote office.
- When the IPG SWC is located at the Telephone Company's host office and traffic is to be originated from or terminated to the remote office, the Tandem Switched Facility mileage will be measured between the IPG SWC and the subtending remote office.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD)6.8.1 Description

- (A) FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches. Special Access Services utilized for connection with FGD at Telephone Company designated WATS Serving offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding. Internet Protocol Gateway Access Service (IPG) utilized for connection with FGD at Telephone Company designated IPG SWCs as set forth in Section 16.9, following, is ordered as set forth in Section 5.2, preceding.
- (B) FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated electronic access tandem switches. The Telephone Company will designate the first point(s) of switching for FGD services where the Telephone Company elects to provide equal access through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.
- (C) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (D) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.1 Description (Cont'd)

- (L) Operator Transfer Service (forwarding of 0- calls) may be provided with FGD Switched Access Service at Telephone Company designated Operator Services locations.

The Telephone Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Services location. Operator Transfer Service is provided as set forth in 6.9.4 following.

- (M) For FGD Switched Access Service between an end user's premises and an IPG SWC, the customer will be billed the applicable Local Switching, Information Surcharge and Tandem Switched Transport premium rate elements for its FGD usage. The mileage used to determine the monthly rate for the Tandem Switched Facility, when required, is as set forth in Section 6.4.6(J), preceding.

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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service

(N)

16.9.1 General

Internet Protocol Gateway Access Service (IPG) is an optional two-way packet transport service that provides an end-to-end transmission path using packet technology at transport speeds of either 1.544 Mbps or 44.736 Mbps, where available. IPG enables the customer to interconnect its Internet Protocol (IP) based network with the Telephone Company's switched network at a Telephone Company provided IP gateway. IPG is only available to connect the customer's designated premises (CDP) to a Telephone Company provided IP gateway serving wire center (IPG SWC) when both the CDP and IPG SWC are located within the Telephone Company's serving territory.

IPG provides the customer with voice transmission and call set up signaling paths between its CDP and the IPG SWC. Available for use in conjunction with Feature Group D (FGD) Switched Access Service as described in Section 6.8.1, preceding, IPG provides the customer with the ability to deliver interexchange voice traffic originated on or transported across its IP based network for termination to the Telephone Company's local exchange service subscribers and to accept interexchange voice traffic originated on or transported across the Telephone Company's network.

16.9.2 Service Description

As described below, IPG is provided using a combination of IPG Transport and IPG Ports. IPG can only be used in conjunction with FGD Switched Access Service, which is ordered separately by the IPG customer.

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.2 Service Description (Cont'd)

IPG Transport is required to provide the connection between the CDP and Telephone Company IPG SWC. IPG Transport consists of an IPG Transport Termination and, where required, an IPG Transport Mileage Facility and IPG Transport Mileage Termination. Which IPG Transport rate elements apply will depend on where in its network the Telephone Company deploys its IP gateway. An IPG Port is required to provide the interface at the IPG SWC to the Telephone Company's switched network.

The transmission quality of IPG is not guaranteed and is offered to the IPG customer at a best effort level. The Telephone Company will attempt to deliver all interexchange voice traffic received that was originated on or transported across the IPG customer's IP based network.

The Telephone Company will provide the IPG customer accurate call signaling data for interexchange voice traffic that originates on or is transported across the Telephone Company's network. The call signaling data will either: 1) conform to an active 10-digit North American Numbering Plan or directory number, which is associated with the geographic location of the originating calling party (i.e., Calling Party Number and/or Automatic Number Identification) or 2) represent IP equivalent call signaling that is mutually agreed upon by the IPG customer and Telephone Company at the time the customer places its order for IPG.

Service is provided, where available, between CDPs and designated Telephone Company IPG SWCs located within the Telephone Company's serving territory. IPG will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its IPG SWCs in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.2 Service Description (Cont'd)

Rates and charges for IPG are specified in Section 17, following. The application of rates and charges for IPG is described later in this section.

16.9.3 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to IPG.

- (A) The IPG customer is responsible for providing the Telephone Company with the necessary information to provision IPG as specified in Section 5.2 Ordering Requirements, preceding.
- (B) The IPG customer is responsible for providing and maintaining all required CPE, which is compatible with IPG and the customer selected signaling interface and bearer channel format that comply with the requirements specified in the following Technical References:
- IETF RFC 3261 – June 2002;
 - IETF RFC 3262 - June 2002;
 - IETF RFC 3263 – June 2002;
 - IETF RFC 3264 – June 2002;
 - IETF RFC 3265 – June 2002;
 - IETF RFC 3550 – July 2003;
 - ITU-T G.711 – November 1988;
 - ITU-T G.723.1 – May 2006;
 - ITU-T G.729 – January 2007;
 - ITU-T G.7041/Y.1303 – August 2005;
 - ITU-T G.8040/Y.1340 – September 2005;
 - ITU-T H.225.0 – May 2006;
 - ITU-T H.245 – June 2008; and/or
 - ITU-T H.323 – June 2006.

(N)

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16. Public Packet Data Network (Cont'd)

16.9 Internet Protocol Gateway Access Service (Cont'd)

16.9.3 Obligations of the Customer (Cont'd)

- (C) The IPG customer is responsible for passing to the Telephone Company accurate call signaling data that will enable the Telephone Company to accurately bill for the associated terminating FGD Switched Access Service network usage. Such call signaling data must either: 1) conform to an active 10-digit North American Numbering Plan or directory number, which is associated with the geographic location of the originating calling party (i.e., Calling Party Number and/or Automatic Number Identification) or 2) represent IP equivalent call signaling that is mutually agreed upon by the IPG customer and Telephone Company at the time the customer places its order for IPG.

16.9.4 Rate Regulations

This section contains the regulations governing the rates and charges that apply for IPG. Regulations governing the rates and charges for FGD Switched Access Service provided under this tariff used in conjunction with IPG are as specified in Section 6.8.1, preceding. The following diagrams depict generic views of the elements of IPG.

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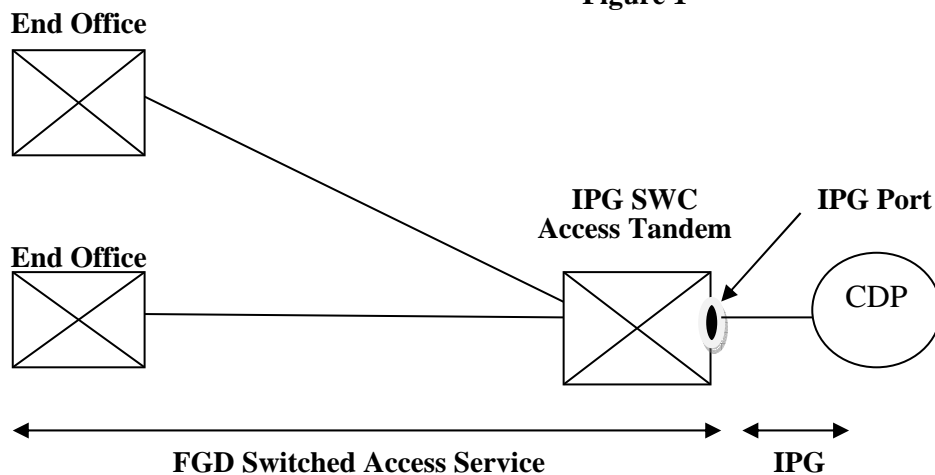
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ACCESS SERVICE16. Public Packet Data Network (Cont'd)

(N)

16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)

In the first figure, the IPG customer's CDP is served by the Telephone Company's IPG SWC. The Telephone Company deployed its IP gateway at its access tandem office. The IPG customer obtains the ability to deliver traffic originated on or transported across its IP based network for termination to local exchange service subscribers served by end offices subtending this access tandem office and to accept traffic originated on or transported across the Telephone Company's network. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 1

- Tandem Switched Facility
- Tandem Switched Termination
- Tandem Switching
- Local Switching
- Information Surcharge

- IPG Transport Termination
- IPG Port

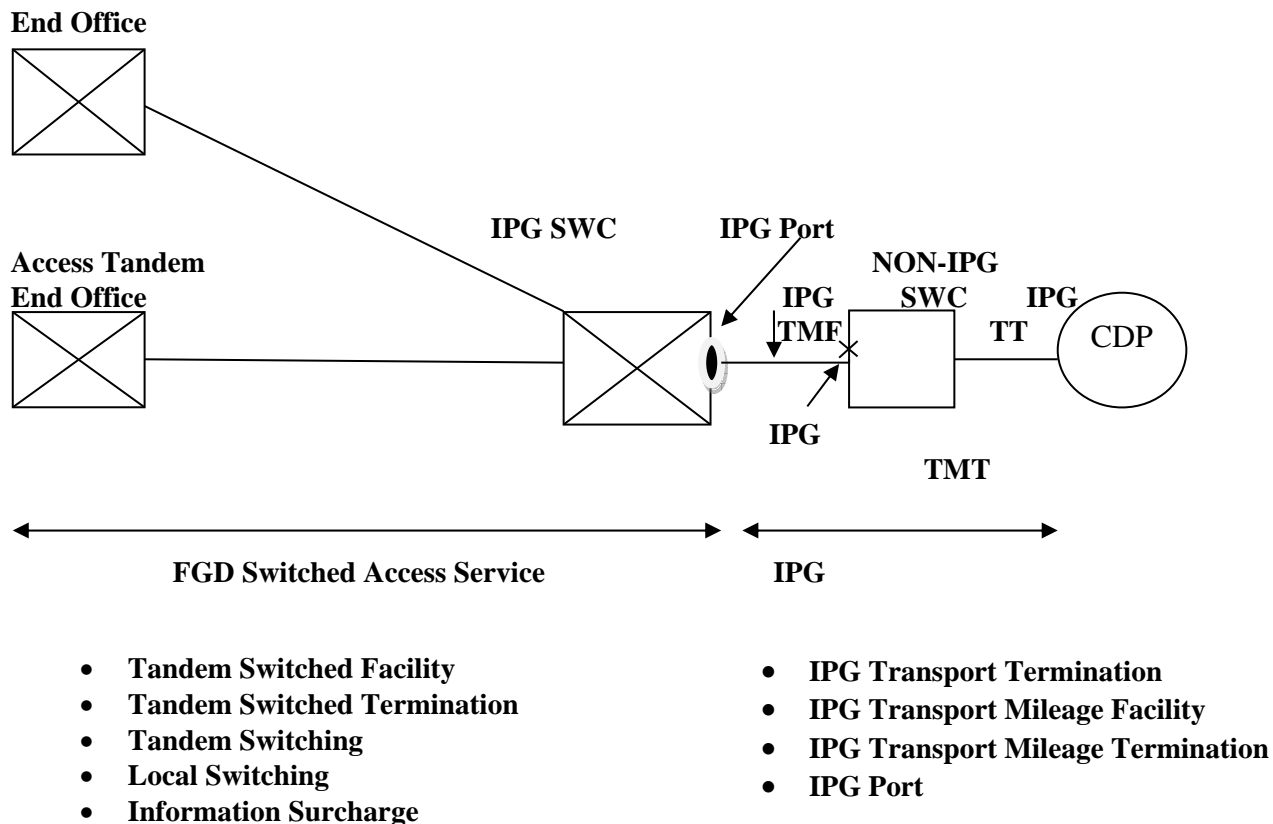
(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)

In the second figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its access tandem office. The IPG customer obtains the ability to deliver traffic originated on or transported across its IP based network for termination to local exchange service subscribers served by end offices subtending this access tandem office and to accept traffic originated on or transported across the Telephone Company's network. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 2

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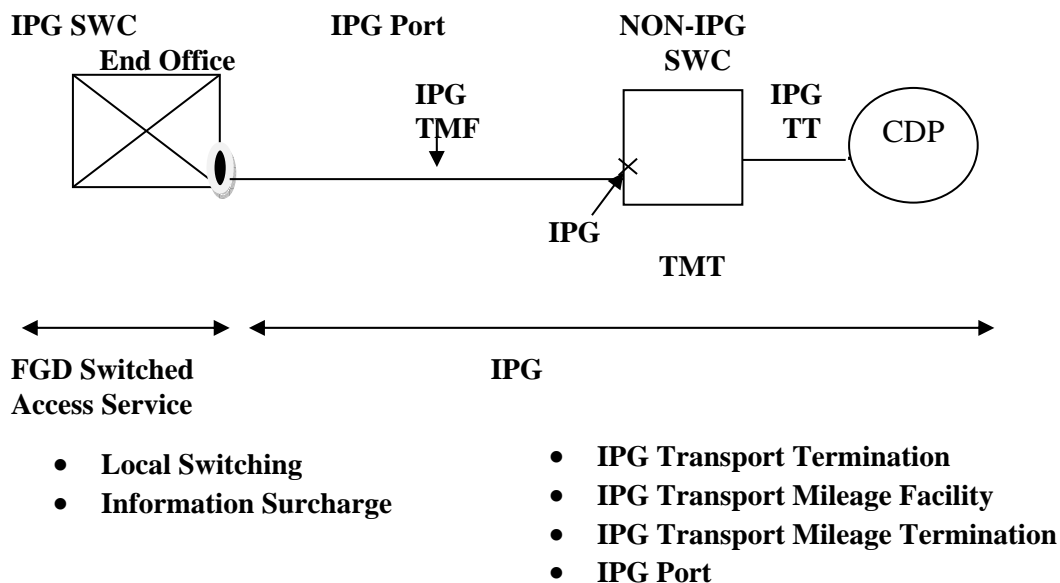
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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)

In the third figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its end office. The IPG customer obtains the ability to deliver traffic originated on or transported across its IP based network for termination to local exchange service subscribers served by this end office and to accept traffic originated on or transported across the Telephone Company's network. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

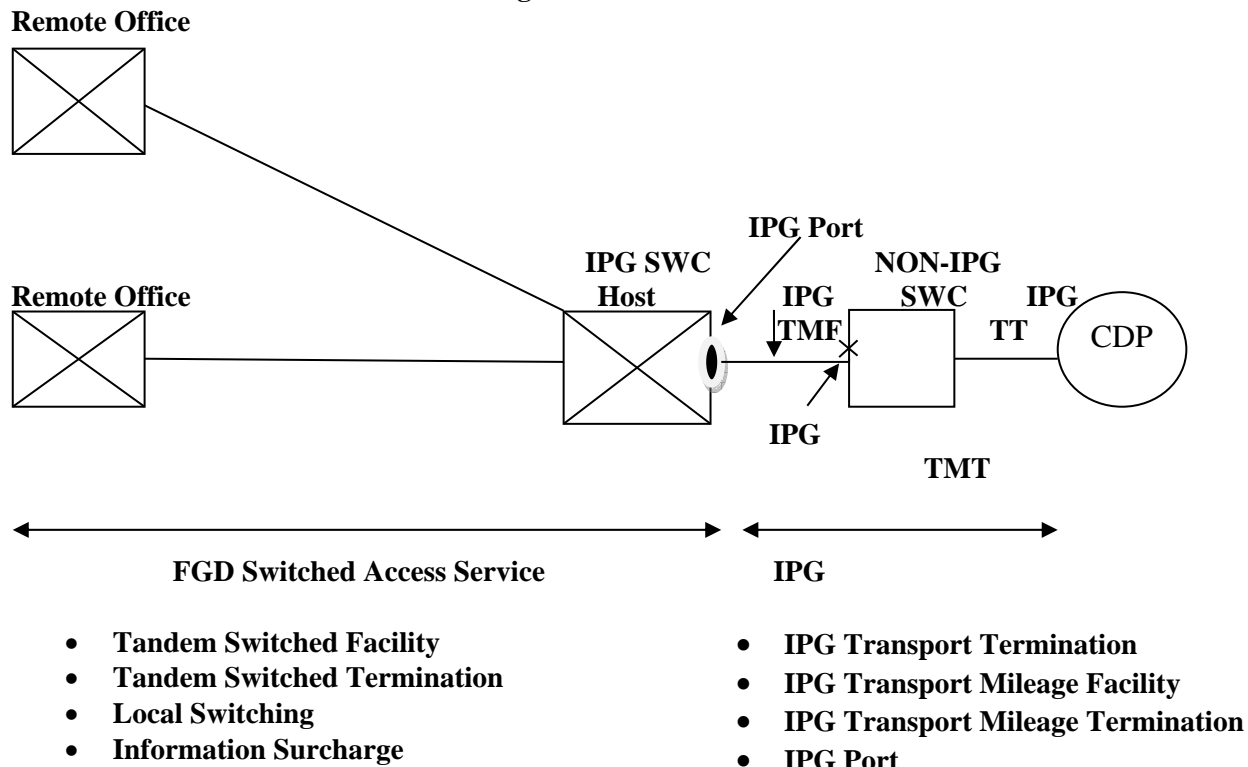
Figure 3

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)

In the fourth figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its host office. The IPG customer obtains the ability to deliver traffic originated on or transported across its IP based network for termination to local exchange service subscribers served by this host office and its subtending remote offices and to accept traffic originated on or transported across the Telephone Company's network. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 4

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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(A) Rate Categories

IPG service elements are described below. Rates and charges are specified in Section 17.

(1) IPG Transport Termination (TT)

An IPG TT provides the transport facility between the customer's designated premises and the Telephone Company's SWC. The IPG TT rate element is designed to recover the costs associated with this transport facility.

IPG TTs are available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps. The IPG customer orders the quantity and type of IPG TT it needs based on its bandwidth requirements. An IPG TT may be connected to: 1) an IPG Port when the IPG SWC is the SWC serving the customer's designated premises or 2) an IPG Transport Mileage Facility and IPG Transport Mileage Termination when the SWC serving the customer's designated premises is not IPG equipped.

Monthly and nonrecurring charges apply for each IPG TT ordered. The charges are based upon the bandwidth capacity ordered by the customer. The IPG TT will apply even if the customer's designated premises and the IPG SWC are located in the same Telephone Company building.

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) IPG Transport Mileage Facility (TMF)

IPG TMF is required when the SWC serving the customer's designated premises is not IPG equipped. The IPG TMF provides the transport facility between the SWC serving the customer's designated premises and the Telephone Company's IPG SWC. The IPG TMF rate element is designed to recover the costs associated with this transport facility.

IPG TMF is available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps. The IPG customer orders the quantity and type of IPG TMF it needs based on its bandwidth requirements.

A monthly charge applies for each IPG TMF ordered. The monthly charge for each IPG TMF is based upon the bandwidth speed ordered and the number of airline miles between the SWC serving the customer's designated premises and the Telephone Company's IPG SWC. To determine the applicable monthly charge, first compute the airline mileage using the V&H coordinates method described in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the total airline mileage. Once the total airline mileage for each IPG TMF is determined, multiply the number of airline miles times the IPG Transport Mileage Facility per mile rate for the bandwidth speed ordered.

(N)

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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(3) IPG Transport Mileage Termination (TMT)

An IPG TMT is required whenever the customer orders IPG TMF as described in (2), above. The IPG TMT provides the circuit equipment needed to terminate an IPG TMF at the SWC serving the customer's designated premises. The IPG TMT rate element is designed to recover the costs associated with this circuit equipment.

IPG TMT is available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps.

For each IPG TMF ordered by the customer, one IPG TMT at the same speed as the associated IPG TMF applies. A monthly charge applies for each IPG TMT based upon the bandwidth speed ordered by the customer.

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(4) IPG Port

An IPG Port provides network and signaling interfaces at the Telephone Company's IPG SWC. The IPG Port also provides for the establishment of a trunk-side bearer channel transmission path to allow voice call information to be passed between the customer's IP based network and the Telephone Company's switched network. The IPG Port rate element is designed to recover the costs associated with providing the interface for the bearer channel transmission path.

IPG Ports are available with bandwidth speeds of 1.544 Mbps and 44.736 Mbps. Required IPG Transport into the IPG Port is provided using either: 1) an IPG TT when the SWC serving the customer's designated premises is IPG equipped or 2) a combination of an IPG TT, an IPG TMF and an IPG TMT when the SWC serving the customer's designated premises is not IPG equipped. The bandwidth speed of an IPG Port must be equal to the bandwidth speed of the associated IPG Transport.

A monthly charge applies for each IPG Port ordered. The monthly charge for each IPG Port is based upon the bandwidth speed ordered by the customer.

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges

There are two types of rates and charges applicable to IPG. They are monthly rates and nonrecurring charges as described below.

(1) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof when an IPG service element is provided. For billing purposes, each month is considered to have 30 days.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for IPG are installation of service, service rearrangements and moves.

Except as specified below, these charges are in addition to the Access Order Charge as specified in Section 17.4.1, following.

(a) Installation of Service

Nonrecurring charges apply for the installation of IPG Transport Terminations.

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(b) Service Rearrangements

Service rearrangements are changes to existing (i.e., installed) services, which may be administrative only in nature as set forth below or, that involve an actual physical change to the service.

When the IPG customer elects to change the bandwidth capacity on existing IPG Ports and associated IPG Transport, the request will be considered a discontinuance of service for the former capacity and start of service for the new capacity. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new IPG service elements. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG service elements, if applicable.

Following the initial installation of service, the IPG customer may request a change to its existing signaling interface and/or bearer channel format provided the requested signaling interface and/or bearer channel format conforms to the transmission standards specified in the Technical References listed in Section 16.9.3(B), above. The Telephone Company and IPG customer will

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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(b) Service Rearrangements (Cont'd)

work cooperatively to ensure that proper call addressing and billing information will continue to be exchanged as described in Section 16.9.3(C), above, after the requested change is made. An Access Order Charge per order will apply for this type of request.

Administrative changes will be made without charge(s) to the IPG customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

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ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for moving IPG service elements are dependent on whether the move is to a different location within the same building, to a different building within the same SWC, or to a different building in a different SWC.

(i) Moves Within the Same Building

IPG Ports and, where required, IPG TMFs and IPG TMTs are not impacted when the IPG customer moves its Point of Termination to a different location within the same building. The charge for moving an IPG TT to a new location within the same building will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the IPG TT. There will be no change in the minimum period requirements.

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves (Cont'd)(ii) Moves To a Different Building Within the Same SWC

IPG Ports and, where required, IPG TMFs and IPG TMTs are not impacted when the IPG customer moves its Point of Termination to a different building within the same SWC. The move of an IPG TT will be treated as a discontinuance and start of service. A nonrecurring (i.e., installation) charge will apply per IPG TT. A new minimum period requirement will be established for the IPG TT. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG TT, if applicable.

(N)

(N)

ACCESS SERVICE16. Public Packet Data Network (Cont'd)16.9 Internet Protocol Gateway Access Service (Cont'd)

(N)

16.9.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves (Cont'd)(iii) Moves to a Different Building in a Different SWC

A move to a different building in a different SWC will be treated as a discontinuance and start of service of all associated IPG elements. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new IPG service elements. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG service elements, if applicable.

(C) Minimum Periods

The minimum period for all IPG service elements provided to the IPG customer and for which charges are applicable is twelve (12) months.

(N)

ACCESS SERVICE17. Rates and Charges - Bixby Telephone Company (Cont'd)

(N)

17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)17.4.8.4 Internet Protocol Gateway Access Service

Regulations concerning Internet Protocol Gateway Access Service are set forth in Section 16.9 of the JSI Tariff F.C.C. No. 1.

		Monthly Rate	Nonrecurring Charge
(A)	IPG Transport Termination Per Termination		
	- DS1 1.544 Mbps	\$ 189.28	\$237.32
	- DS3 44.736 Mbps	\$1,560.43	\$320.02
(B)	IPG Transport Mileage		
		<u>Monthly Rate</u>	
(1)	IPG Transport Mileage Facility Per Mile		
	- 1.544 Mbps	\$ 11.71	
	- 44.736 Mbps	\$ 102.00	
(2)	IPG Transport Mileage Termination Per Termination		
	- 1.544 Mbps	\$ 60.76	
	- 44.736 Mbps	\$ 390.10	
(C)	IPG Port Per Port		
	- 1.544 Mbps	\$ 60.76	
	- 44.736 Mbps	\$ 761.91	

(N)

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