

**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

## (c) For Feature Groups A, B, C and D Tandem Switched Transport\* (C)

— multiply the number of originating and terminating access minutes of use routed over the facility times the number of airline miles, as set forth in Section 2.4.7(B)(3)(a) preceding, times the BP for each Telephone Company, as set forth in Section 2.4.7(B)(3)(b) preceding, times the Tandem Switched Facility rate;

— multiply the Tandem Switched Termination rate\* times the number of originating and terminating access minutes routed over the facility. (C)

— When a tandem office is located within the operating territory of a Telephone Company participating in NECA's Traffic Sensitive Pool, multiply the Tandem Switching rate\* times the number of originating and terminating access minutes that are switched at the tandem. (C)

The Tandem Switched Termination rate is applied as set forth in Section 6.1.3(A) following. The Switched Access Nonrecurring Charges are applied as set forth in Section 6.4.1(B) following. (Note: The BP is not applied to the Switched Access Tandem Switched Termination rate or any Nonrecurring Charge.)

## (d) For Feature Groups A, B, C, and D Direct Trunked Transport

— multiply the number of airline miles, as set forth in Section 2.4.7(B)(3)(a) preceding, times the BP for each Telephone Company, as set forth in Section 2.4.7(B)(3)(b) preceding, times the Direct Trunked Facility rate.

\*As of July 1, 2021, the Joint Tandem Switched Transport rate element is applied per tandem to originating toll free minutes only, as set forth in Section 6.1.3 (A)(3), following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

(g) For Directory Assistance Service, multiply the Directory Transport rate times the number of directory assistance calls times the BP for each Telephone Company, as set forth in Section 2.4.7(B)(3)(b) preceding. The Directory Assistance Nonrecurring charge is applied as set forth in Section 9.4.1(B) following. (Note: The BP is not applied to any Nonrecurring Charge.)

(h) When three or more Telephone Companies are involved in providing an access service, the intermediate Telephone Company(s) will determine the charges as set forth in Sections 2.4.7(B)(3)(c) through 2.4.7(B)(3)(g) preceding. Additionally, when a segment of the Tandem Switched Facility\*, Direct Trunked Facility or Channel Mileage Facility is measured to the intermediate office(s), the Tandem Switched Termination\*, Direct Trunked Termination or Channel Mileage Termination rates are also applied at the intermediate Telephone Company(s) office(s). (C)

(i) Example 1 — Switched Access

## Layout

— Feature Group D Switched Access is ordered to End Office.

— End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A) participating in NECA's Traffic Sensitive Pool. (C)

\*As Of July 1, 2021, the Joint Tandem Switched Transport rate element is applied per tandem to originating toll free minutes only, as set forth in Section 6.1.3, following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

## ACCESS SERVICE

### 2. General Regulations (Cont'd)

#### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

##### 2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

###### (B) Meet Point Billing (Cont'd)

###### (3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

The following example reflects the rate calculations for TC-A.

###### (i) Example 1 — Switched Access (Cont'd)

— Assume:

End Office to Access Tandem:

Airline miles from TC A End Office to TC A Access Tandem = 22.1, Rounded = 23.

Access Tandem to Serving Wire Center:

Airline miles from TC A Access Tandem to TC B Serving Wire Center = 25.6, rounded = 26.

Billing Percentage (BP)

TC A = 40%

TC B = 60%

Access Minutes = 9000

Carrier Common Line Charge = CCL

End Office Charges = EO

Tandem Switched Facility Rate = TSF

Tandem Switched Termination Rate = TST

Tandem Switching Rate = TS

Joint Tandem Switched Transport RATE = JTST

Direct Trunked Facility Rate = DTF

Direct Trunked Termination Rate = DTT

(N)

— Telephone Company A charges are:

End Office charges\* = 9,000 min. x EO rate

(C)

Tandem Switched Facility charge\* = 9,000 min. x 23 mi. x TSF rate

(C)

Tandem Switched Termination charge\* = 2 terminations x 9,000 min. x TST rate

(C)

\*As of July 1, 2021, for originating toll free minutes only, end office rate elements (i.e. Local Switching and Information Surcharge are listed in Section 17, following, and the Joint Tandem Switched Transport rate elements in Section 17, following, is applied per tandem as set forth in Section 6.1.3 (A), in lieu of the Tandem switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

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Transmittal No. 135

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Issued: June 30, 2021

Effective: July 1, 2021

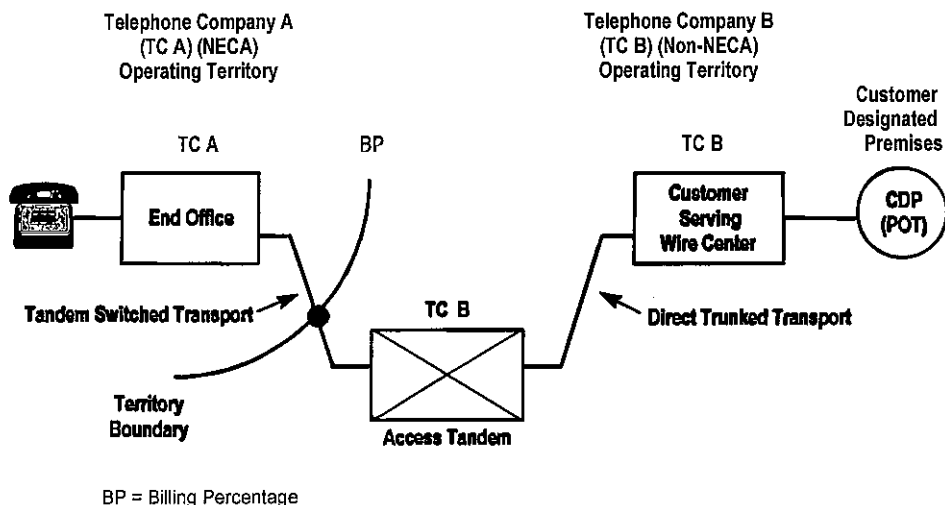
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**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(i) Example 1 — Switched Access (Cont'd)

Tandem Switching charge\* = 9,000 min. x TS rate (C)  
 Direct Trunked Facility charge = 26 miles x DTF rate x 40%  
 Direct Trunked Termination charge = 1 termination x DTT rate

(j) Example 2 — Switched Access Layout

- Feature Group D Switched Access is ordered to End Office.
- End Office is in the operating territory of a Telephone Company (TC-A) participating in NECA's Traffic Sensitive Pool.
- Access Tandem and Customer Designated Premises are in the operating territory of a Telephone Company (TC-B) not participating in NECA's Traffic Sensitive Pool



\*As of July 1, 2021, for originating toll free minutes only, end office rate elements (i.e.), Local Switching and Information Surcharge are listed in Section 17, following, and the Joint Switched Transport rate element in Section 17, following, is applied per tandem as set forth in Section 6.1.3 (A), following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

Vice President — Tariff and Regulatory Matters  
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**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(j) Example 2 — Switched Access (Cont'd)

The following example reflects the rate calculations for TC-A.

— Assume:

End Office to Access Tandem:

Airline miles from TC A End Office to TC B Access  
Tandem = 22.1, Rounded = 23

Billing Percentage (BP)

TC A = 80%

TC B = 20%

Access Tandem to Serving Wire Center:

Airline miles from TC B Access Tandem to TC B Serving  
Wire Center = 25.6, Rounded = 26

Access Minutes = 9000

End Office Charges\* = EO (C)

Tandem Switched Facility Rate\* = TSF (C)

Tandem Switched Termination Rate\* = TST (C)

Tandem Switching Rate\* = TS (C)

Direct Trunked Facility Rate = DTF

Direct Trunked Termination Rate = DTT

\*For non-NECA TC B company originating toll free minutes only, separate end office rates would apply and a different rate element would apply per tandem in lieu of Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements as of July 1, 2021

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

Vice President — Tariff and Regulatory Matters  
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## ACCESS SERVICE

### 2. General Regulations (Cont'd)

#### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

##### 2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

##### (B) Meet Point Billing (Cont'd)

##### (3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

##### (j) Example 2 — Switched Access (Cont'd)

— Telephone Company A charges are:

Carrier Common Line charge = 9,000 min. x CCL rate

End Office charges\* = 9,000 min. x EO rate

(C)

Tandem Switched Facility charge\* = 9,000 min. x 23 mi. x TSF rate x 80%

(C)

Tandem Switched Termination charge\* = 1 termination x 9,000 min. x TST rate

(C)

2.5 Connections Equipment and systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched, Digital Subscriber Line, Special, and Public Packet Data Network Services furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in Section 2.1 preceding.

\*As of July 1, 2021 for originating toll free minutes only, end office rate elements (i.e., Local Switching and Information Surcharge) are listed in Section 17, following and the Joint Tandem Switched Transport rate elements in Section 17, following, is applied per tandem as set forth in Section 6.1.3 (A), following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching Rate Elements.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

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**ACCESS SERVICE**2. General Regulations (Cont'd)2.6 Definitions

Certain terms used herein are defined as follows:

(D)

(D)

800 Series

The term 800 series denotes the service access codes of 800, 888, 877, 866, 855, 844, 833, and 822.

Access Code

The term "Access Code", with the exception of Feature Group B (FGB) with an Abbreviated Dial Arrangement (ADA), denotes a uniform access code assigned by the Telephone Company to an individual customer in the form 101XXXX and 950-XXXX. Access codes for FGB with an ADA are explained in Section 6.9.2 following.

Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes customer usage of exchange facilities in the provision of interstate or foreign service. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

The term "Access Tandem" denotes a Telephone Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer-designated premises.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**General Regulations (Cont'd)2.6 Definitions (Cont'd)Internet Protocol (IP) Signaling

The term "Internet Protocol (IP) Signaling" denotes a packet data-oriented protocol used for communicating call signaling information.

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

Intrastate Communications

The term "Intrastate Communications" denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

Joint Tandem Switched Transport

The term "Joint Tandem Switched Transport" denotes the rate element accessible for the transmission of originating toll free minutes. The rate element includes both the transport between the end office and the tandem switch and the tandem switching. It does not include transport of traffic over dedicated transport facilities between the serving wire center and the tandem switching office.

Legal Holiday

The term "Legal Holiday" denotes days other than Saturday or Sunday for which the Telephone Company is normally closed. These include New Year's Day, Independence Day, Thanksgiving Day, Christmas Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed and other locally observed holidays when the Telephone Company is closed.

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Local Area Network

The term "Local Area Network" denotes a network permitting the interconnection and intercommunication of a group of computers.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021



**ACCESS SERVICE****2. General Regulations (Cont'd)****2.6 Definitions (Cont'd)****Toll Free Database Access Service**

The term "Toll Free Database Access Service" denotes a service which uses a database system to identify toll free access customers on a 10-digit basis. For purposes of administering the rules and regulations set forth in this tariff regarding the provision of Toll Free Database Access Service except where otherwise specified, Toll Free Database Access Service shall include the following service access Codes 800, 888, 877, 866, 855, 844, 833, and 822.

(N)

(N)

**Toll VoIP-PSTN Traffic**

The term "Toll VoIP-PSTN Traffic" denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. "Toll VoIP-PSTN Traffic" originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

**Transmission Measuring (105 Type) Test Line/Responder**

The term "Transmission Measuring (105 Type) Test Line/ Responder" denotes an arrangement in an end office, which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

**Transmission Path**

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

**Trunk**

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

**Trunk Group**

The term "Trunk Group" denotes a set of trunks, which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

**ACCESS SERVICE**5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(E) SS7 Optional Feature (Cont'd)

For Toll Free Database Access Service, as described in Sections 6.1.3(A) and 6.1.3(C) following, the customer must order FGC or FGD to those access tandems or end offices designated as Service Switching Points (SSP) for Toll Free Database Service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. All traffic originating from end offices not equipped to provide SS7 signaling and routing, not able to accommodate direct trunking of originating 800 series calls or equipped with SS7 signaling but not able to accommodate direct trunking of originating 800 series (other than the 800 service access code) calls, require routing via an access tandem where SSP functionality is available.

(T)  
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(T)5.2.2 Special Access Service

When placing an order for Special Access Service the customer must specify:

- the customer designated premises or hubs or ADM equipped wire centers involved
- type of service (e.g., Voice Grade, High Capacity, etc.)
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer-designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- that the traffic consists of more than ten percent interstate traffic.

Where the Special Access Service is exempt from the Special Access Surcharge, as set forth in Section 7.3 following the customer shall furnish written certification to that effect as set forth in Section 7.3.3 following.

When ordering bridging and/or multiplexing, the Customer must specify the telephone company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.2 Ordering Options and Conditions**

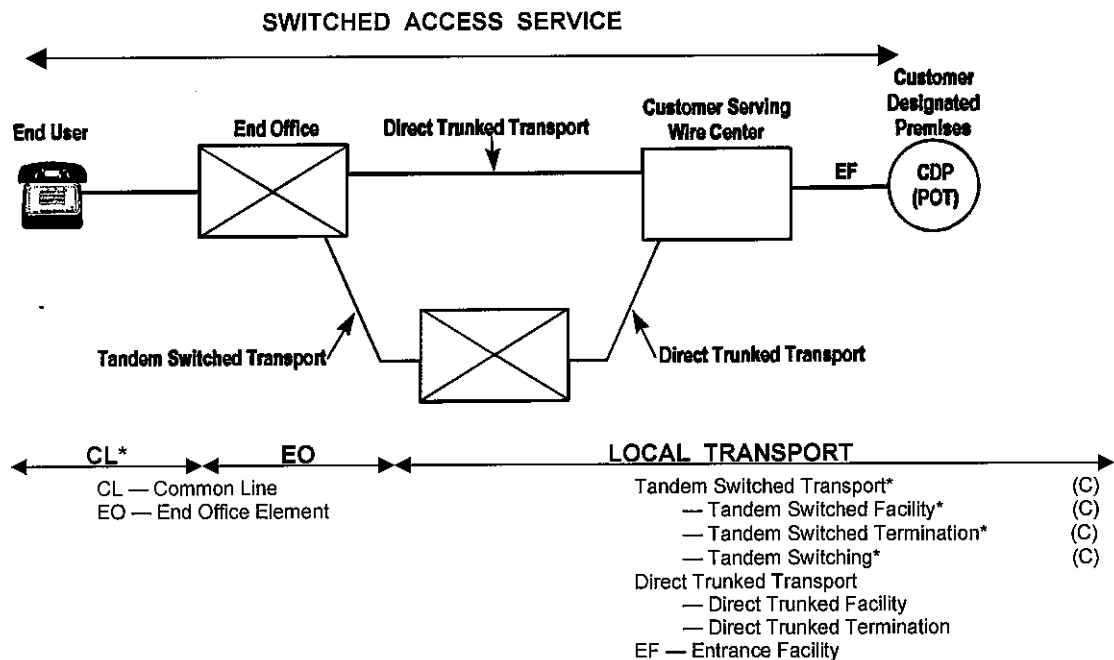
Switched Access Service is ordered under the Access Order provisions set forth in Section 5.2 preceding. Also, included in that section is regulations concerning miscellaneous service order charges, which may be associated with Switched Access Service ordering (e.g., Service Date Changes, Cancellations, etc.).

**6.1.3 Rate Categories**

There are four rate categories, which apply to Switched Access Service:

- Local Transport [described in Section 6.1.3(A) following]
- End Office [described in Section 6.1.3(B) following]
- Chargeable Optional Features [described in Section 6.1.3(C) following]
- Common Line (described in Section 3. preceding)

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.



\* Common Line Access Service is provided under Section 3 preceding.

\*As of July 1, 2021, for originating toll free minutes only, end office rate elements (i.e., Local Switching and Information Surcharge) are listed in Section 17, following, and the Joint Tandem Switched Transport rate element in Section 17, following, is applied per tandem as set forth in Section 6.1.3 (A), following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

Vice President — Tariff and Regulator Matters  
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**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(A) Local Transport (Cont'd)****(2) Direct Trunked Transport (Cont'd)**

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. The Direct Trunked Termination rate specified in Section 17 following recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

**(3) Tandem Switched Transport**

The Tandem Switched Transport rate elements recover a portion of the costs associated with a communications path between a tandem and an end office on circuits that are switched at a tandem switch.

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate. For originating toll free minutes only, a Joint Tandem Switched Transport rate applies in lieu of the Tandem Switching, Tandem Switched Facility and Tandem Switched Termination rates and is only billed by the tandem company that performs the tandem switching function.

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(N)

In those instances where an SSP equipped end office is capable of handling 800 traffic on a direct trunked basis but incapable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis, a full credit will be provided for tandem switched transport charges associated with FGC and FGD service for 800 traffic delivered at the tandem. This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis.

(T)

- (a) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in Section 17 following is applied on a per access minute per tandem basis for all originating (excluding toll free) and all terminating minutes of use switched at the tandem.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(3) Tandem Switched Transport (Cont'd)

- (b) The Tandem Switched Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of interoffice circuits. The Tandem Switched Facility rate specified in Section 17 following is applied on a per access minute per mile basis for all originating (excluding toll free) and terminating minutes of use routed over the facility. (C)
- (c) The Tandem Switched Termination rate recovers a portion of the costs of circuit equipment necessary for the termination of each end of each measured segment of the Tandem Switched Facility. The Tandem Switched Termination rate specified in Section 17 following is applied on a per access minute basis (for all originating (excluding toll free) and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office and the access tandem). When the Tandem Switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply. (C)
- (d) The Joint Tandem Switched Transport rate specified in Section 17, following, is applied on a per originating toll free access minute per tandem basis in lieu of the Tandem Switching, Tandem Switched Facility, and Tandem Switched Termination rates and is only billed by the Tandem company that performs the tandem switching function. (N)  
(N)

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(10) Chargeable Optional Features

Common Channel Signaling, Signaling System 7 (CCS/SS7) Network Connection (CCSNC) Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Telephone Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in Section 6.10.3 following.

Toll Free Database Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge is assessed for each completed query returned from the toll free database whether or not the actual call is delivered to the customer. The query is considered completed when the appropriate call routing information is returned to the Service Switching Point (SSP) that launched the query and the results are transmitted to the next company in the call path. If the originating company transmits the results of the query, it will assess the query charge per call. However, when the originating company is unable to do so, the next company in the call path that is able to launch and transmit the results of the query will assess the query charge. Only one query charge per call may be assessed.

(T)

(T)

(C)

(C)

(B) End Office

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Information Surcharge rate elements. Directory Assistance Service is set forth in Section 9 following.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(1) Benchmark Rate

Benchmark rate is a switched access service rate as set by the FCC in CC Docket No. 96-262, FCC 01-146. This benchmark rate should eventually be equivalent to the switched access rate of the incumbent provider operating in the CLEC's service area.

(2) Local Switching

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, the terminations of calls at Telephone Company Intercept Operators or recordings, the STP costs, and the SS7 signaling function between the end office and the Signaling Transfer Point.

Local Switching does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Center (WSCs) directly interconnected to a Telephone Company access tandem office.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with Local Switching, which provides local dial switching for Feature Groups C and D. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC or FGD equipped end office.

For originating toll free minutes only, a different Local Switching rate is specified in Section 17 following. The application of these rates with respect to individual Feature Groups is as set forth in Section 6.4.1 (C) following.

(C)

There are four types of functions included in the Local Switching rate element: Common Switching, Transport Termination, Line Termination and Intercept. These are described in Sections 6.1.3(B)(1)(a) through 6.1.3(B)(1)(d) following.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(1) Local Switching (Cont'd)(c) Line Termination

Line Termination provides for the terminations of end user lines in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type services at Telephone Company designated WATS Serving Offices.

The above Special Access Service Terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Special Access Service. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

(d) Intercept

The Intercept function provides for the termination of a call at a Telephone Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

(2) Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth in Section 17 following. For originating toll free minutes only, a different Information Surcharge rate is specified in Section 17, following. The application of these rates with respect to individual Feature Groups is as set forth in Section 6.4.1(C) following.

(C)  
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(C)

The Information Surcharge does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office.

The number of end office switching transmission paths will be determined as set forth in Section 6.2.5 following.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

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**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(C) Chargeable Optional Features (Cont'd)****(2) Operator Transfer Services**

Operator Transfer Service may be provided with Feature Group C or Feature Group D Switched Access Service at Telephone Company designated Operator Services location. Operator Transfer Service is an originating service. The rate is assessed per 0- call transferred to a customer's operator. An 0- call is considered transferred when the Telephone Company Operator activates the switch transferring the call to the designated customer and the customer acknowledges receipt.

In addition to the Operator Transfer Service charge described above and in Section 6.10.3(B) following. Feature Group C or Feature Group D Switched Access rates and charges as set forth in Sections 6.4.1(B)(1) and 6.4.1(C) following and Carrier Common Line Charges set forth in Section 3.8.5 preceding will apply per minute of use for Operator Transfer Service.

Operator Transfer Service charges, provided for in this tariff, are applied only to those calls actually transferred by the Telephone Company to the customer's operator.

**(3) Toll Free Database Access Service Charge**

(T)

Toll Free Database Access Service is provided to all customers in conjunction with FGC and FGD switched access service. When a 1+800 series+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query an toll free database to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGC or FGD switched access. The 800 series includes the following service access codes: 800, 888, 877, 866, 855, 844, 833 and 822.

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Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(C) Chargeable Optional Features (Cont'd)****(3) Toll Free Database Access Service (Cont'd)****(T)**

A Basic or Vertical Feature Query charge is assessed for each completed query returned from the data base identifying the customer to whom the call will be delivered whether or not the actual call is delivered to the customer. The query is considered completed when the appropriate call routing information is returned to the Service Switching Point (SSP) that launched the query and the results are transmitted to the next company in the call path. If the originating company transmits the results of the query, it will assess the query charge per call.

However, when the originating company is unable to do so, the next company in the call path that is able to launch and transmit the results of the query will assess the query charge. Only one query charge per call may be assessed.

**(C)**

The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides the same customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing [which allows subscribers to route to different carriers based on factors similar to those in Section 6.1.3(C)(3)].

**(C)**

The description and application of this charge with respect to Feature Group C or Feature Group D is as set forth in Sections 6.4.1(C)(2) and 6.4.1(C)(8) following.

**6.1.4 Special Facilities Routing**

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates

Rates are applied either as premium or non-premium rates.

The application of these rates is dependent upon the Feature Group, type of Entrance Facility, type of transport (e.g., Direct Trunked Transport, Tandem Switched Transport, type of Multiplexing) and the availability of equal access capabilities in the end office to which the service is provided.

The following rules provide the basis for applying the rates and charges:

(1) Premium Rates

Premium rates apply to all FGC access minutes when the service is provided to customers which furnish interstate MTS/WATS, to all access minutes that originate or terminate at end offices equipped with equal access (i.e., FGD) capabilities, and to Directory Transport Service. Premium rates also apply to FGB and FGD access minutes that originate or terminate at a Wireless Switching Center (WSC) that is directly connected to a Telephone Company access tandem office. In addition, premium rates apply to FGA and FGB access minutes when utilized in the provision of MTS/WATS service.

In addition, premium rates always apply to the following Local Transport rate elements:

- Entrance Facility
- Direct Trunked Facility
- Direct Trunked Termination
- Multiplexing
- Tandem Switched Facility
- Tandem Switched Termination
- Tandem Switching
- Joint Tandem Switched Transport  
(originating toll free minutes only)

(N)

(N)

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

## ACCESS SERVICE

### 6. Switched Access Service (Cont'd)

#### 6.4 Rate Regulations (Cont'd)

##### 6.4.1 Description and Application of Rates and Charges (Cont'd)

#### (C) Application of Rates (Cont'd)

##### (2) Non-premium Rates

Non-premium rates do not apply to the following Local Transport rate elements:

- Entrance Facility
- Direct Trunked Facility
- Direct Trunked Termination
- Multiplexing
- Tandem Switched Facility
- Tandem Switched Termination
- Tandem Switching
- Joint Tandem Switched Transport  
(originating toll free minutes only)

(N)  
(N)

Non-premium rates (i.e., discounted access minute rates) apply to all FGA and FGB access minutes (measured or assumed) originating or terminating in an end office, which is not equipped with equal access capabilities. Non-premium rates do not apply to FGA and FGB access minutes when utilized in the provision of MTS/WATS service.

In addition, non-premium rates apply to FGC access minutes originating in an end office, which is not equipped with equal access capabilities, when the FGC service is used in conjunction with the Interim NXX Translation optional feature or Toll Free Database Access Service by customers who do not furnish interstate MTS/WATS.

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Non-premium rates do not apply to FGB ADA access minutes.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates (Cont'd)(8) Toll Free Database Access Service

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A Basic Query or Vertical Feature Query charge applies for each completed query that is returned from the Toll Free data base identifying the customer to whom the call will be delivered whether or not the actual call is delivered to the customer. The query is considered completed when the appropriate call routing information is returned to the Service Switching Point (SSP) that launched the query and the results are transmitted to the next company in the call path. If the originating company transmits the results of the query, it will assess the query charge per call. However, when the originating company is unable to do so, the next company in the call path that is able to launch and transmit the results of the query will assess the query charge. Only one query charge per call may be assessed. Query charges will be applied only by those companies whose wire centers are identified as assessing query charges in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

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When Feature Group C or Feature Group D switched access service is used for the provision of toll free Access Service and the total minutes of use and/or count of queries can be determined for each customer at a tandem or SSP but can not be determined by individual end office, an allocation method will be utilized to determine minutes of use by end office and customer. For each end office a ratio will be developed and applied against the total minutes of use for a given customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating 800 series minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP. For example, assume:

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— Three end offices (EO-1, EO-2, and EO-3) subtend a tandem

EO-1 measures	2,000 minutes of 800 use	
EO-2 measures	3,000 minutes of 800 use	
EO-3 measures	<u>5,000</u> minutes of 800 use	
	10,000	TOTAL

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

Vice President — Tariff and Regulator Matters  
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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates (Cont'd)(8) Toll Free Database Access Service (Cont'd)

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— The tandem delivers 800 usage to two customers:

IC-A has 4,000 minutes of use

IC-B has 6,000 minutes of use

— The allocation ratio for EO-1 is 20%

2,000/10,000

— The minutes of use to be billed by EO-1 are:

800 to IC-A (20% X 4,000)

1,200 to IC-B (20% X 6,000)

2,000

TOTAL

6.4.2 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge is calculated as follows.

For usage rated Local Transport, Local Switching and Information Surcharge rate elements, the minimum monthly charge is the sum of the recurring for either the actual measured usage or the assumed usage prorated to the number of days or major fraction of days based on a 30-day month.

For flat rated Local Transport rate elements, the minimum monthly charge is the sum of the recurring charges prorated to the number of days or major fraction of days on a 30-day month.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.7 Description and Provision of Feature Group C (FGC)****6.7.1 Description**

- (A) FGC Access provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. Originating and terminating FGC Access is available to providers of MTS and WATS. Originating FGC Access is available to all customers when used to provide the Interim NXX Translation optional feature or Toll Free Database Access Service. Terminating FGC access is available to all customers other than providers of MTS and WATS when such access is used in conjunction with the provision of the Interim NXX Translation optional feature or Toll Free Database Access Service, but only for purposes of testing. Existing FGC Access will be converted to Feature Group D Access when Feature Group D Access becomes available in an end office. Special Access Services utilized for connection with FGC 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 FGC Switched Access Service (i.e., a provider of MTS and WATS) for the provision of WATS Services. Special Access Services are ordered as set forth in Section 5.2 preceding. (T)
- (B) Feature Group C switching is provided at all end office switches unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. FGC is provided at Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. Feature Group C switching is furnished to providers of MTS and WATS. Additionally, originating Feature Group C switching is available to all customers when used to provide the Interim NXX Translation optional feature or Toll Free Database Access Service. Terminating Feature Group C switching is available to all customers who are not MTS and WATS providers only when such terminating access is for purposes of testing Feature Group C facilities provided in conjunction with the Interim NXX Translation optional feature or Toll Free Database Access Service. (T)
- (C) FGC 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 answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided. (T)

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

Vice President — Tariff and Regulator Matters  
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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.1 Description (Cont'd)

- (H) Unless prohibited by technical limitations the providers of MTS and WATS may, at their option, combine Interim NXX Translation and/or Toll Free Database traffic in the same trunk group arrangement with their non-Interim NXX Translation traffic. When required by technical considerations, or when provided to a customer other than the provider of MTS and WATS, or at the request of the customer (i.e., provider of MTS and WATS), a separate trunk group will be established for Interim NXX Translation traffic and/or Toll Free Database traffic. (T)  
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- (I) Operator Transfer Service may be provided with FGC 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 Section 6.10.4 following.

- (J) FGC switching is provided with multifrequency address signaling or out of band SS7 signaling where technically feasible. 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.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021



**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.4 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

For terminating calls over FGC when measurement capability exists, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from recorded minutes in the following manner:

Step 1: Obtain recorded originating minutes and messages from the appropriate recording data.

Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, Toll Free, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts. (T)

Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incompleting attempts. The total NCTA is the time on a completed attempt from customer acknowledgement of receipt of call to called party answer (set up and ringing) plus the time on an incompleting attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring — no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.8 Description and Provision of Feature Group D (FGD) (Cont'd)****6.8.1 Description (Cont'd)**

- (G) The access code for FGD switching is a uniform access code of the form 101XXXX. A uniform access code(s) will be the assigned number of all FGD access provided to the customer by the Telephone Company. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer, as set forth in Section 13.4 following.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 101XXXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the customer designated premises.

- (H) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 101XXXX code its calls will be directed to for interLATA service.

- (I) Unless prohibited by technical limitations, the customer's Interim NXX Translation and/or Toll Free Database traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-Interim NXX Translation and/or Toll Free Database traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX Translation and/or Toll Free Database traffic.

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Transmittal No 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE****6. Switched Access Service (Cont'd)****6.10 Chargeable and Nonchargeable Optional Features (Cont'd)****6.10.3 Chargeable Optional Features (Cont'd)****(C) Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC) (Cont'd)**

The CCS/SS7 Network Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure network availability and reliability. The Telephone Company shall not be held liable for service outages if the customer employs technology related to the interconnection of signaling networks that do not adhere to generally accepted industry technical standards.

When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at an STP.

Rates and charges for the CCS/SS7 Network Connection STP Ports and Signaling Network Access Links are contained.

**(D) Toll Free Database Access Service**

Toll Free Database Access Service is provided with FGC or FGD Switched Access Service. When a 1+800 series+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query the toll free database to perform the identification function. The call will then be routed to the identified customer over FGC or FGD switched access. The 800 series includes the following service area codes: 800, 888, 877, 866, 855, 844, 833 and 822.

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Transmittal No 135

Issued: June 30, 2021

Effective: July 1, 2021

**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features (Cont'd)(D) Toll Free Database Access Service (Cont'd)

The manner in which Toll Free Database Access Service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following:

- When Toll Free Database Access Service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases or at a non-SSP equipped end office that can accommodate direct trunking of originating 800 series calls, all such service will be provisioned from that end office.
- When Toll Free Database Access Service originates at an end office not equipped with SSP customer identification capability, the 800 series call will be delivered to the access tandem on which the end office is homed for 800 series service and which is equipped with the SSP feature to query centralized data bases.
- When Toll Free Database Access Service originates at an end office equipped with SSP capability that is not capable of accommodating direct trunking of originating 800 series (other than the 800 service access codes) calls, the 800 series (other than the 800 service access codes) call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.

Query charges are in addition to those charges applicable for the Feature Group C or Feature Group D switched access service.

The Federal Communications Commission ("FCC") has concluded that hoarding, defined as the acquisition of more toll free numbers than one intends to use for the provision of toll free service, as well as the sale of a toll free number by a private entity for a fee, is contrary to the public interest in the conservation of the scarce toll free number resource and contrary to the FCC's responsibility to promote the orderly use and allocation of toll free numbers.

Transmittal No. 135

Issued: June 30, 2021

Effective: July 1, 2021