6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(5) (Cont'd)

Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for the customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 101XXXX access codes. FGB, in the terminating direction may not be: 1) switched to access another Feature Group B,C or D, in the same LATA and (2) use to terminate originating FGC or FGD calls.

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(7) When all FGB switching arrangements are discontinued at an end office and/or in an exchange, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(8) AT&T Communications of the Southwest, Inc. (AT&T) subscribing to FGB:

When AT&T subscribes to both FGB and FGD at an equal access end office or to both FGB and FGC at any end office, all such FGB, FGC, and FGD usage originating and terminating at those end offices will be subject to the Carrier Common Line, Local Transport and Local Switching rates set forth in 3.8 and 6.8.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features

(1) Common Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Up to 7 Digit Outpulsing of Access Digits to Customer
(c) Alternate Traffic Routing
(d) Hunt Group Arrangement for Use with WATS Access Line Service
(e) Uniform Call Distribution Arrangement for use with WATS Access Line Service
(f) Nonhunting Number Arrangement for use with WATS Access Line Service as described in d or e, preceding.
(g) Band Advance Arrangement for Use with WATS Access Line Service.
(h) Rotary Dial Station Signaling

(2) Switched Transport Optional Features (C)

(a) Provision of Other Than Telephone Company Selected Traffic Routing
(b) Customer Specification of Feature Group Directionality
(c) Customer Specification of Local Transport Termination

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features (Cont'd)

(3) Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

(C) Transmission Performance

FGB is provided with either Type B or Type C Trans-mission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission specifications are provided with Inter-face Group 1 and Type B is provided with Interface Groups 2 through 9. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

(D) Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding, which are included with the installation of service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing are available as set forth in 13.3.5 following. (M) (M)

(M) This material previously appeared on Page 185.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd)

(M)

(M)

6.2.3 Feature Group C (FGC)

(A) Description

(1) FGC is available in all end offices for LEC to LEC traffic. FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD is available, FGC will be discontinued for Interexchange Carriers (ICs).

(2) 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.

(3) FGC is provided with multifrequency address 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 called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided. (M1) (M1)

(M) Material omitted from this page now appears on Page 184.
(M1) This material previously appeared on Page 186.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(M)

(M)

(4) No access code is required for FGC switching. The telephone 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, and 0 or 1 + NPA + NXX-XXXX.

(5) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the local calling area, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes

(M) Material omitted from this page now appears on Page 185.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(5) (Cont'd)

served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed for calls from a FGC trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911, and 101XXXX access codes. Calls will be (completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGC switching is combined with Directory Assistance switching. The combination of FGC Switched Access Service with DA Service is provided as set forth in 9. following. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required for technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Common Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Service Class Routing
(c) Dial Pulse Address Signaling
(d) Revertive Pulse Address Signaling
(e) Delay Dial Start-Pulsing Signaling
(f) Immediate Dial Pulse Address Signaling
(g) Panel Call Indicator Address Signaling
(h) Alternate Traffic Routing
(i) Trunk Access Limitation
(j) End Office End User Line Service Screening for Use with WATS Access Line Service
(k) Hunt Group Arrangement for Use with WATS Access Line Service
(l) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
(m) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service
(n) Band Advance Arrangement for Use with WATS Access Line Service.
(o) Operator Trunks - i.e., Pay Telephone. Pay Telephone Trunks are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(2) Switched Transport Optional Features (C)

(a) Supervisory signaling (as set forth in 6.1.3(B)(3)(a) preceding).
(b) Customer Specification of Feature Group Directionality (N)
(c) Provision of Other Than Telephone Company Selectedd Traffice Routing
(d) Improved Return Loss
(e) Data Transmission Parameters (N)

(C) Transmission Specifications

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Feature Group C (FGC) (Cont'd)

(C) Transmission Performance (Cont'd)

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Trans-mission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing, and Nonscheduled Testing are available as set forth in 13.3.5 following for FGC.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD)

(A) Description

(1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.

(2) 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.

(3) FGD switching is provided with multifrequency address 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 Switched Transport provided. (C)

(4) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(4) (Cont'd)

community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in 9. following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(6) The access code for FGD switching is a uniform access code of the form 101XXXX. These uniform access codes will be the assigned access numbers of all FGD access

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(6) (Cont'd)

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 13. 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). The form of the numbers dialed by the customer's end user is NXX-XXXX, or 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX.

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 at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises.

(7) 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 presubscription code to identify which 101XXXX code its calls will be directed to for interLATA and intraLATA service. Presubscription codes are applied as set forth in 13. following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(8) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will, for a limited period of time, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Service Class Routing
(c) Alternate Traffic Routing
(d) Call Gapping Arrangement
(e) Trunk Access Limitation
(f) International Carrier Option
(g) End Office End User Line Service Screening for Use with WATS Access Line Service
(h) Hunt Group Arrangement for Use with WATS Access Line Service
(i) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
(j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service
(k) Band Advance Arrangement for Use with WATS Access Line Service
(l) Cut-Through
(m) Flexible Automatic Number Identification (Flex ANI)
(n) Operator Trunk, Full Feature Arrangement
(o) Feature Group D With 950 Access
(p) Switched 64 Clear Channel Capability
(q) Multifrequency Address Signaling

(2) Switched Transport Optional Features (where equipment is available) (C)

(a) Supervisory Signaling (as set forth in 6.1.3(B)(3)(a) preceding)
(b) Improved Return Loss
(c) Data Transmission Parameters
(d) Provision of Other Than Telephone Company Selected Traffic Routing
(e) Customer Specification of Feature Group Directionality

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(C) Transmission Specifications

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.

- When routed to an access tandem only Type A is provided.

- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2, 6 and 9.

Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.4 Feature Group D (FGD) (Cont'd)

(D) Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing, and NonScheduled Testing, are available for FGD as set forth in 13.3.5 following.

6.2.5 Miscellaneous Switched Access Services

(A) WATS Access Line Service

WATS Access Line Service combines Switched Access Service with Voice Grade Special Access Service that connects an end user premise with a WATS Serving Office. WATS Access Line Service will be provided as follows:

(1) Originating

WATS Access Line Service used for originating calling purposes is available only in conjunction with Feature Group C and D Switched Access Service.

When intrastate WATS Access Line Service is utilized for originating non-joint provided Wide Area Telecommunications Service, intraLATA calling is provided by the Telephone Company and will be billed as described in the Wide Area Telecommunications

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Services (Cont'd)

(A) WATS Access Line Service (Cont'd)

(1) Originating (Cont'd)

Service Tariff. InterLATA calling is provided by the customer and Switched Access charges as specified in this tariff will apply to such originating interLATA usage. For originating WATS Access Line Service, a WATS Access Line charge will apply as described in Section 7, following.

When intrastate WATS Access Line Service is utilized for originating joint provided Wide Area Telecommunications Service, intraLATA calling is provided by the Telephone Company and will be billed as described in the Wide Area Telecommunication Service tariff. InterLATA calling is provided by the customer and Switched Access charges as specified in this tariff will apply for such originating interLATA usage. For originating WATS Access Line service, a WATS Access Line charge will apply as described in Section 7, following, and in addition, a WATS Access Line charge will apply as specified in the Wide Area Telecommunications Service Tariff.

(2) Terminating

WATS Access Line Service used for terminating calling purposes is available in conjunction with Feature Groups A, B, C and D Switched Access Service.

Intrastate WATS Access Line Service may be utilized in the terminating direction for the completion of non-joint provided TFC Access Service calling as described in (B), following. For this arrangement, terminating interLATA and intraLATA usage will be billed Switched Access charges as specified in this tariff. For non-joint provided TFC Access

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 WATS Access Line Service (Cont'd)

(A) WATS Access Line Service (Cont'd)

(2) Terminating (Cont'd)

Service which utilizes terminating WATS Access Line Service for the completion of TFC Access Service calling, a WATS Access Line charge will apply as described in Section 7, following.

Intrastate WATS Access Line Service may be utilized in the terminating direction for the completion of joint provided TFC Access Service calling as described in (B), following. For this arrangement, terminating interLATA usage will be billed Switched Access charges as described in this tariff. IntraLATA usage will be billed as specified in the Wide Area Telecommunications Service Tariff. For joint provided TFC Access Service which utilizes terminating WATS Access Line Service for the completion of TFC Access Service calling a WATS Access Line charge will apply as specified in Section 7, following, and in addition, a WATS Access Line charge will apply as described in the Wide Area Telecommunication Service Tariff.

Local Switching optional features for WATS Access Line Service are provided in Section 6.

WATS Access Line Service is provided with either dial pulse or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer.

A description of WATS Access Line Service provided in 7.2.11 following.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(B) Toll Free Code (TFC) Access Service

(1) Description

TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a TFC data base query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (i.e., TFC-NXX-XXXX), or, if the TFC to Local Exchange Number Translation optional feature described in Section 6.2.5 is specified, a translated ten digit local exchange number (i.e., NPA-NXX-XXXX), delivered to the customer premises.

No access code is required for TFC Access Service. When the TFC call is originated by an end user, the Telephone Company will perform the TFC data base query based on the dialed digits to determine the customer location to which the call is to be routed. The TFC data base query will be performed from suitably equipped end offices or access tandems. If the call originates from an end office not equipped to perform the TFC data base query, the call will be routed to an access tandem at which the query function is available. Once customer identification has been established, the call will be routed to the customer. TFC calls may be routed to different customers based on the local access transport area in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for TFC Access Service will not be completed.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(B) Toll Free Code (TFC) Access Service (Cont'd)

(1) Description (Cont'd)

The provision of TFC Access Service requires access to the TFC Service Management System (TFC SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS. When TFC Access Service orginates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one access tandem is involved in the transport of a TFC Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-TFC switched access traffic except as follows. Combining TFC Access Service traffic with the customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the TFC data base query. When required by network considerations, a separate trunk group must be established for TFC Access Service.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(B) Toll Free Code (TFC) Access Service (Cont'd)

(1) Description (Cont'd)

The TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.3(D) preceding and 6.2.5(B) (3) following also apply.

(2) Technical Specifications

TFC Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type Bi is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(B) Toll Free Code (TFC) Access Service (Cont'd)

(3) TFC Data Base Optional Service Features

In addition to the 1+TFC-NXX-XXXX call routing described in (1) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(a) TFC to Local Exchange Number Translation

This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the TFC number and indicate to which carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+TFC-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

(b) Customized TFC Call Routing

This option allows for routing to multiple carriers, except as specified in Section 6.2.5(B) (1), or variable terminating locations for TFC call completion based on the following criteria:

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(B) Toll Free Code (TFC) Access Service (Cont'd)

(3) TFC Data Base Optional Service Features (Cont'd)

(b) Customized TFC Call Routing (Cont'd)

- time of day
- time of week
- specific days of the year (e.g., December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, TFC calls can be delivered to the carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the TFC SMS or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

(C) Interim 500 Access Service

(1) Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(C) Interim 500 Access Service (Cont'd)

(1) Description (Cont'd)

dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/ tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/ tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(C) Interim 500 Access Service (Cont'd)

(1) Description (Cont'd)

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap out-pulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Additionally, nonrecurring charges as specified in 6.1.3(F) preceding and 6.8.7 following also apply.

Pass-through charges apply to query information provided to the Telephone Company by connecting local exchange companies in order to perform the translations required to complete Interim 500 Access Service calls. The pass-through charges will be provided to the Telephone Company by the connecting local exchange company. Pass-through rates set forth in Section 6.8.7 following, and are applied on a per query basis.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(C) Interim 500 Access Service (Cont'd)

(2) Technical Specifications

Interim 500 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(D) 900 Access Service

(1) Description

Originating 900 Access Service is a trunk side switched service that is available to the customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC, or FGD services. When combined with FGB, FGC, or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk group handles 900 Access Service. 900 Access Service calls which are routed through operator services will be delivered at the equal access tandem over FGC

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(D) 900 Access Service (Cont'd)

(1) Description (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, O-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) Technical Specifications

900 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.5 Miscellaneous Switched Access Service (Cont'd)

(D) 900 Access Service (Cont'd)

(2) Technical Specifications (Cont'd)

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

6.2.6 Reserved for Future Use (N)

6.2.7 Reserved for Future Use (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description

OptiPoint services provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. There are four levels of OptiPoint services: OptiPoint-3 (OC3) is provided at a terminating bit rate of 155.52 Mbps; OptiPoint-12 (OC12) is provided at a terminating bit rate of 622.08 Mbps; and OptiPoint-48 (OC48) is provided at a terminating bit rate of 2488.32 Mbps.

OptiPoint services are provided on a month-to-month basis or for periods of one, three or five years. When a customer orders OptiPoint service, the customer and the Telephone Company will work cooperatively to plan, engineer, provision and manage the OptiPoint circuits.

(1) Entrance Facilities

OptiPoint entrance facility channels may be used to connect the following:

- a customer designated premises to another customer designated premises, configured at wire center locations between the two premises; or

- a customer designated premises to a Telephone Company location where service configuration is performed. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(a) Based on customer requirements, OC3 service may be provisioned in the following configurations:

(i) OC3 - three Synchronous Transport Signals (STS1) channels which each contain the following:

- one DS3 or STS1 that is STS1 mapped;
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping; or

(ii) A single concatenated OC3c channel that is STS3c mapped.

(b) Based on customer requirements, OC12 service may be provisioned in the following configurations:

(i) OC12 - twelve STS1 channels which each contain:

- one DS3 or STS1 that is STS1 mapped;
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping; (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(b) (Cont'd)

(ii) Up to four concatenated OC3c channels that are STS3c mapped;

(iii) From one to three OC3c channels that are STS3c mapped, mixed with from three to nine STS1 channels subject to utilization of the total OC12 capacity; or

(iv) A single concatenated OC12c channel that is STS12c mapped.

(c) Based on customer requirements, OC48 service may be provisioned in the following configurations:

(i) OC48 – forty-eight STS1 channels which each contain:

- one DS3 or STS1 that is STS1 mapped;

- an STS1 channel without constraint to payload mapping;

(ii) Up to four concatenated OC12c channels that are STS12c mapped; (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(c) (Cont'd)

(iii) Up to sixteen concatenated OC3c channels that are STS3c mapped;

(iv) From one to three OC3c channels that are STS3c mapped, mixed with from 39 to 45 STS1 channels subject to utilization of the total OC48 capacity; or

(v) From one to three OC12c channels that are STS12c mapped, mixed with from four to twelve OC3 channels subject to utilization of the total OC48 capacity.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 channel may be mapped for either one DS3 or 28 DS1s. However, DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an OC3, OC12 or OC48 service be configured with a combination of DS3 and DS1 channels, a DS3 to DS1 multiplexing arrangement will be required.

Upon ordering OptiPoint service, the customer is responsible for identifying the STS signal configuration. This information is used in determining the route and connection in the network. If a new configuration is requested subsequent to the initial activation, a service reconfiguration charge will apply on a per service basis, as set forth in Section 6.8.2(E)(10). The service reconfiguration charge is in addition to all applicable configuration node and configuration card charges associated with the new configuration. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

OptiPoint service is provided with electronics that automatically activate in case of failure of the primary electronics. Since OptiPoint is a point-to-point service, SONET ring survivability will not be available. Rates for additional protection options requested by the customer will be quoted on an individual case basis and are in addition to the rates for OC3, OC12 and OC48 service.

OptiPoint entrance facilities provided to a customer's designated premises will be installed in a single, common space under Telephone Company control. An OptiPoint entrance facility may not be split between premises or terminated in multiple locations within a premises. The customer must provide suitable floor space, environmental controls and non-switched AC power to support the OptiPoint entrance facility at the customer's premises location.

OptiPoint entrance facilities will be provided with or without Telephone Company provided terminal equipment at the customer's premises. When a customer elects to furnish its own terminal equipment at the customer's premises, the customer will work cooperatively with the Telephone Company to provide a compatible physical interface, and will identify approved equipment types for use in conjunction with Telephone Company provided equipment. The customer is responsible for providing all facilities and cabling necessary to connect customer provided equipment to this interface. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

When entrance facilities are ordered in conjunction with special access high capacity services provisioned without terminating equipment at the customer's premises as set forth in Section 7 following, a common interface will be provisioned in accordance with the conditions governing shared use of facilities as set forth in Section 7.4.8 following. Switched access rates and charges as set forth in Section 6.8.2(A) following will apply for each channel of the shared use facility that is used to provide switched access service.

OC3, OC12 and OC48 services may be configured for lower bandwidth services, at suitably equipped wire centers, by using appropriate OC3, OC12 or OC48 configuration nodes as set forth in (2) following.

OptiPoint entrance facilities are available only where facilities and operating conditions permit. The Telephone Company will work cooperatively with the customer to determine if suitable existing Telephone Company SONET based facilities are available to provide the service. The Telephone Company will not provision this service on facilities which are not suitable for OptiPoint. Where facilities and/or operating conditions do not permit the provision of OptiPoint entrance facilities, and the customer desires the Telephone Company to provision OptiPoint service, Special Construction charges, as set forth in Section 14 following, may apply. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(2) Service Configuration

There are two types of charges associated with a service configuration as described following:

(a) Configuration Node - is an arrangement at the system level that allows an OC3 service bandwidth to add or drop lower level signals up to three DS3s or STS1s or three groups of twenty-eight DS1s. An OC12 service bandwidth can add or drop lower level signals up to four OC3s or twelve DS3s or STS1s or equivalent combinations of OC3s, DS3s, STS1s and DS1s. An OC48 service bandwidth can add or drop lower level signals up to four OC12s, sixteen OC3s, forty-eight DS3s or STS1s or equivalent combinations of OC12s, OC3s, DS3s and STS1s.

When the customer requests that a DS1 channel be connected to an OC48 service terminating at a Telephone Company central office, a DS3 to DS1 or STS1 to DS1 multiplexing arrangement, as set forth in 6.1.3(B)(5)(d) preceding, may be required.

Direct trunked transport can be connected between serving wire centers with configuration nodes at a lower OC-n speed than the channel termination, if the transport is between a lower speed configuration function and one of the following: (N)

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

(a) (Cont'd)

- another lower speed configuration function; or

- another lower speed channel termination.

All of the above terminations must be provided at the same speed as the transport.

(b) Configuration Card - provides for the interface at which a channelized or lower speed service terminates or originates from an OptiPoint optical line terminated at a customer designated premises or a Telephone Company central office. DS1, DS3, OC3 concatenated, and STS-1 level cards are available for interfacing OptiPoint-3 service with lower level signals. DS1, DS3, OC3, OC3 concatenated, OC12 concatenated and STS-1 level cards are available for interfacing with OptiPoint-12 service. DS3, OC3, OC12, OC3 concatenated, OC12 concatenated and STS-1 level cards are available for interfacing with OptiPoint-48 service. When full OC3, OC12 and OC48 concatenated service is provided, no configuration node is required. (N)

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

When a customer requests an OptiPoint service configuration, both the applicable node and card rate elements will apply. The rates for the configuration node and associated card(s) apply at the end office, and at each end of the entrance facility when Telephone Company provided terminal equipment is provided at the customer premises.

When the customer elects to furnish its own terminal equipment at the customer premises, the rates for the configuration node and associated card(s) apply only at the end of the entrance facility where Telephone Company equipment is provided.

Due to the technical limitations of SONET facilities, additional regeneration equipment may be required for essential detection and retransmission of SONET signals between the customer's premises and the Telephone Company serving wire center for that premises. Additional regeneration equipment will only be provided by the Telephone Company when the actual fiber facility distance between the customer's premises and serving wire center exceeds SONET design limits. A monthly recurring SONET Regeneration charge, as set forth in 6.8.2(E)(11) following, will apply for each regenerator required for the provision of OptiPoint service.

Rates and charges for the configuration node and configuration cards are set forth in 6.8.2(E) following. Additional labor charges as set forth in Section 13 following will apply to configuration changes for STS level service. (N)

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

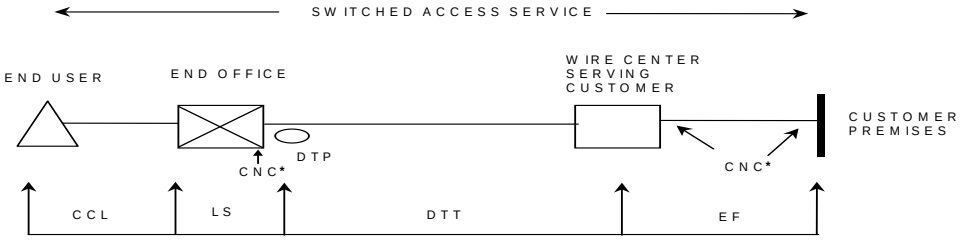
6.2.8 OptiPoint Services

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

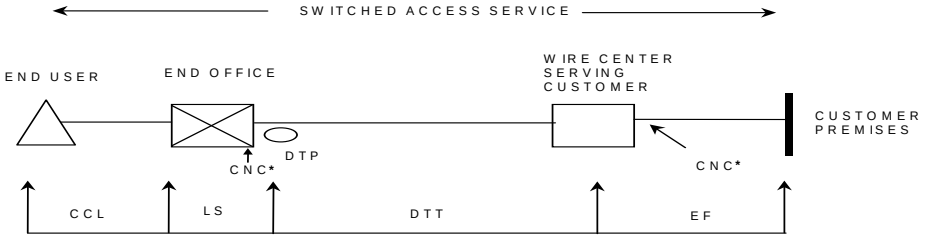
The following diagrams depict generic views of the components of OptiPoint Service.

(A) OptiPoint Service with Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
DTP: DEDICATED TRUNK PORT
CNC: CONFIGURATION NODE & CARDS
* WHERE APPLICABLE

(B) Optipoint Service without Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
DTP: DEDICATED TRUNK PORT
CNC: CONFIGURATION NODE & CARDS
* WHERE APPLICABLE

(N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(B) Conditions

The rates and charges for OptiPoint services are set forth in Section 6.8.2 following and are in addition to any applicable rates and charges set forth in any other sections of this service guide. Nonrecurring charges and monthly recurring rates applicable for OptiPoint service are billed in advance. A nonrecurring service upgrade charge as described in Section 6.8.2(E)(9) following may also apply to OptiPoint services.

(1) Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation of service) and are developed at full cost recovery on a labor hours per labor time basis. For customers who elect the one year commitment period the nonrecurring charge will apply for the installation of the service. However, if at the end of the one year commitment period the customer elects to renew their one year commitment plan, a nonrecurring charge will not apply for the renewal.

(2) Monthly recurring charges are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. For billing purposes, each month is considered to have 30 days. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(B) Conditions (Cont'd)

(3) OptiPoint service is available on a month-to-month basis or for minimum commitment periods of one, three or five years. If the customer requests that service be discontinued prior to the expiration of the one, three or five year minimum commitment period, a 50% penalty will be assessed for the remaining months of the term. For example, if a customer who has selected the three year option terminates service in month 12, they will be charged 50% of the remaining 24 months of billing. Additionally, customers may discontinue service, without penalty, should the monthly recurring rates increase by 10% or more at any one time. Upon expiration of the one, three or five year minimum commitment period, the customer may renew their OptiPoint service at month-to-month service rates. If the customer does not specify renewal terms in writing 90 days prior to the expiration of the one, three or five year service period, the commitment period and OptiPoint rates in effect at the time of expiration will automatically renew. The customer can terminate OptiPoint service at the end of the minimum commitment period with no penalty or obligation to continue the service. Further, if the customer notifies the Telephone Company in writing 90 days prior to the expiration of the one, three or five year service period, the commitment period and OptiPoint rates in effect at the time of expiration will automatically renew. (N)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services

(B) Conditions (Cont'd)

(3) (Cont'd)

The customer can terminate OptiPoint service at the end of the minimum commitment period with no penalty or obligation to continue the service. Further, if the customer notifies the Telephone Company in writing 90 days prior to the expiration date of their minimum commitment period with their intent to not renew their OptiPoint service, the customer will have six (6) months after the expiration date to submit their disconnect order(s). If the customer fails to submit their disconnect order(s), by the end of the six (6) month period, the commitment period in effect at the time of the original expiration period will automatically renew at the current tariffed rates. If the customer submits their disconnect order(s) after the six (6) month period, termination liability charges will apply. Termination liability charges will be calculated at 50 % of the monthly recurring charges for the remaining months of the commitment period up to a maximum of twelve (12) months. Time from the expiration of the original commitment period until the disconnect order(s) are received will apply for calculation of the termination liability charges.

Customers may upgrade OptiPoint service without incurring termination liability charges under the following circumstances:

(1) The order for the disconnect of the existing OptiPoint and the order for the upgraded OptiPoint must be received at the same time.

(2) The new OptiPoint is provided between the same customer and central office locations as the discontinued service.

(3) The service period of the new OptiPoint is equal to or greater than the service period of the existing OptiPoint service. (N)

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available)

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Local Transport Termination Options.

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, TFC, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(D) Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

The seven-digit ANI telephone number is available with Feature Group B provided using Direct-Trunked Transport and with Feature Group C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities that require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, pay telephones using Feature Group B, or when an ANI failure has occurred. (C) (C)

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with TFC service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5)

6. Switched Access Service (Cont'd)

6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

pay telephone, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-0XXX or 950-1XXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

6. Switched Access Service (Cont'd)

6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd)

(H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

(1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.

(2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

6. Switched Access Service (Cont'd)

6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd)

(J) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(K) Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

(L) Dial Pulse Address Signaling

This trunk size option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(M) Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(N) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., pay telephone, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., TFC or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(O) Alternate Traffic Routing

(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(O) Alternate Traffic Routing (Cont'd)

(2) End Office Alternative Routing When Ordered in Trunks (Cont'd)

access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(P) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

(Q) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(Q) Call Gapping Arrangement (Cont'd)

this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(R) Feature Group D With 950 Access

This option may be ordered to route calls from a designated 950-XXXX access code to Feature Group D access service. The Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service, using FGD signaling protocols and technical specifications. The customer must be prepared to differentiate between standard FGD calls and 950-dialed calls delivered over the same trunks. FGD with 950 Access will be provided from equal access conforming Telephone Company end offices and tandems, where technically feasible. Calls delivered to the customer's FGD access service when the customer's end user dials a 950-XXXX access code will be rated as FGD.

When a customer has FGD access service and does not have FGB access service from a particular end office, this option may be ordered to activate a customer's designated 950-XXXX access code in that end office. When a customer has both FGB and FGD access services and orders this option in a particular end office, the Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service in that end office. The customer is prohibited from having 950-XXXX access to originating FGD and originating FGB in the same end office or tandem utilizing the same 950-XXXX access code.

In Telephone Company end offices and tandems that do not support four digit carrier identification codes (CIC) for FGD, the 950-XXXX access code is only available to customers using a three digit CIC in the form 950-OXXX or 950-1XXX. In Telephone Company end offices and tandems that do support four digit CIC for FGD, the 950-XXXX access code is available to customers using either a three digit or four digit CIC in the forms 950-OXXX, 950-1XXX, and 950-XXXX. In any event, the CIC specified by the customer, either 3 digit or 4 digit, must be a valid CIC assigned for use by that customer. This option is available only with Feature Group D.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(S) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(T) End Office End User Line Screening Options for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer. This option is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

(U) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., TFC Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This figure is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(V) Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(X) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(Y) Operator Trunk - Pay Telephone

This option may be ordered to provide pay telephone operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Local Switching option.

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating pay telephone calls requiring operator assistance to the customer's premises. Because operator assisted pay telephone traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only pro-vided in association with the Service Class Routing option.

The operator assistance pay telephone calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's premises equipment.

When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for pay telephone stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(Z) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Local Switching option.

(AA) Call Screening

This feature provides for the passing of call screening digits on all calls that originate from Feature Group A lines. With Call Screening, the FGA dial tone office switched translations associated with the FGA line generate the ANI information digits of 07 on each call passed. Call Screening is available with FGA in suitably equipped end offices.

(BB) Call Restriction

This option allows for the screening of terminating calls and for the completion only of calls to a Telephone Company specified set of service codes and NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other “toll” calls are routed to a reorder tone or recorded announcement. It is available with Feature Group A only in those offices where such capabilities exist.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the Access Code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

(EE) Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling. Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(FF) Multifrequency Address Signaling

This feature, available with FGB, FGC, and FGD, provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

(GG) Carrier Selection Parameter (CSP) (N)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not the call being processed originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 101XXXX. This feature is provided with originating FGD with SS7 signaling. (N)

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 6.4.1 following Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference Publication GR-3334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for WATS Access Lines. The Specific applications in terms of the Feature Groups and Interface Groups with which Feature Group Standard Transmissions Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C), preceding.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ±2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is - 1.0 dB to + 3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

Route Miles	C-Message Noise
less than 50	32 dBrnCO
51 to 100	34 dBrnCO
101 to 200	37 dBrnCO
201 to 400	40 dBrnCO
401 to 1000	42 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C-Message Noise*	
Route Miles	Type B1	Type B2
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference Publication GR-3334.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	Echo Return Loss	Singing Return Loss
- Via Access Tandem		
• For FGB access	8 dB	4 dB
• For FGC access (Effective 4-Wire trans-mission path at end office)	16 dB	11 dB
• For FGC access (Effective 2-Wire trans-mission path at end office)	13 dB	6 dB

(C) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C-Message Noise*	
Route Miles	Type C1	Type C2
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

* For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference Publication GR-3334.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to End Office		
- Direct	13 dB	6 dB

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

	604 to 2804 Hz
less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(A) Envelope Delay Distortion (Cont'd)

(2) Data Transmission Parameters Type DA (Cont'd)

	1004 to 2404 Hz
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5º peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

	604 to 2804 Hz
less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

	1004 to 2404 Hz
less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7º peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (M)

Four interface groups are provided for terminating an Entrance Facility at the customer's premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected. (C)

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code). Feature group and technical specifications are set forth in Technical Reference Publication GR-3334. (M)

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the interconnection. A multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.3(B)(4)(d) preceding. (N)

(M) This material previously appeared on Page 151.

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2, 6 and 9 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All interface Groups are provided with Data Transmission Parameters. (M)

(M) This material previously appeared on Page 151

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

Only certain premises interfaces are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in 6.4.3(E) following. (C)

(A) Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's premises and the first point of switching 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 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling**,** which is E&M signaling, will be reverse battery signaling. (M)

(M) This material previously appeared on Pages 152 and 153.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(B) Interface Group 2

Interface Group 2 provides four-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between point of termination at the customer's premises and the first point of switching 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 interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. (M)

(M) This material previously appeared on Page 153 and 154.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(C) Interface Group 6

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to twenty-four voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling. (M)

(M) This material previously appeared on Page 156

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(D) Interface Group 9

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling. (M)

(M) This material previously appeared on Page 158 and 159.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(E) Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. Each premises interface is identified by a specific premises interface code. Voice trunks are available with Interface Groups 1, 2, 6 and 9. Signaling links are available with Interface Groups 6 and 9. For explanations of these codes, see the Glossary of Channel Interface Codes in 7.3.1 following.

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA2-E		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA2-M		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB2-E		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB2-M		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC2			X	X
	EA, EB, EC	6EC3			X	X
	RV	2RV3-O		X	X	X
	RV	2RV3-T		X	X	X
	CCS	2NO2				X

(M)

(M) This material previously appeared on Page 160.

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(E) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
2	LO, GO	4SF2	X			
	LO	4LS2	X			
	GO	4GS2	X			
	LO, GO	6EX2-B	X			
	RV, EA, EB, EC	4SF2		X	X	X
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	6DX2			X	
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	CCS	4NO2				X

(M) (M)

(M) This material previously appeared on Page 161.

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd) (M)

(E) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
	CCS	4DS9-15				X
	CCS	4DS9-1SN				X
	CCS	4DS9-1BN				X
	CCS	4DS9-1SB				X
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
	CCS	4DS6-44				X

(M)

(M) This material previously appeared on Page 162.

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company set forth in 2. preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(B)(3) preceding.

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6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.2 Design and Traffic Routing of Switched Access (Z)

Except for Feature Group B, the Telephone Company will also decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. (C)

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination. (C)

In the event a Customer converts from FGA service to FGB service, the Telephone Company will (where the capability exists) route calls from the FGA circuits to the FGB circuits for a one-year period from the date FGA service is terminated. No additional charge will apply for this call-forwarding function. (N) (N)

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage,

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.3 Provision of Service Performance Data (Cont'd)

failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Group B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

For digital entry switches an equivalent termination will be provided for each transmission path provided. (M) (M)

(M) This material previously appeared on Page 233.

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

(M)
(D)
(M)

6.5.6 Reserved For Future Use

6.5.7 Design Blocking Probability

The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

(A) For Feature Groups A and B no design blocking criteria apply.

(B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

(C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Erlang B traffic tables are used for High Usage (HU) trunk groups while Neal Wilkinson traffic tables are used for final groups.

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.7 Design Blocking Probability (Cont'd)

(D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.

(1) For transmission paths carrying only first routed traffic directly between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group				
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements	
2	.070	.080	.090	.140	
3	.050	.060	.070	.090	
4	.050	.060	.070	.080	
5-6	.040	.050	.060	.070	
7 -336	.030	.035	.040	.060	(C)
337-504	.025	.030	.035	.055	(N)
505 or more	.020	.025	.030	.050	(N)

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6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.7 Design Blocking Probability (Cont'd)

(D) (Cont'd)

(2) For transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group				
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements	
2	.045	.055	.060	.095	
3	.035	.040	.045	.060	
4	.035	.040	.045	.055	
5-6	.025	.035	.040	.045	
7 -336	.020	.025	.030	.040	(C)
337-504	.015	.020	.025	.035	(N)
505 or more	.010	.015	.020	.030	(N)

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6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer

In addition to the Obligations of the Customer set forth in 2.3 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

(C) 900 Access Service NXX Codes

All 900 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) Interim 500 Access Service NXX Codes

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. (Z)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements (Cont'd)

(D) Interim 500 Access Service NXX Codes (Cont'd)

Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

6.6.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

6.6.5 Customer's V&H Location (N)

The customer shall provide to the Telephone Company at the time services are requested the V&H coordinates of its facilities at the point of termination. (N)

(M)

(M)

(M) Material omitted from this page now appears on Page 237.1.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (M)

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

6.7.1 Description and Application of Rates and Charges

There are four types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, nonrecurring charges and usage rates and zone density. These rates and charges are applied differently to the various rate elements as set forth in (D) following. (C) (C)

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days. (Z) (M)

(M) This material previously appeared on Page 237.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis as described in (D) following, or on a per query basis as described in 6.2.5. Usage rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). Access minute charges are accumulated over a monthly period. (C) (C)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, TFC Access Service and 900 Access Service. (C)

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk installation charge is applicable on a per end office or tandem basis. The nonrecurring charge for the installation of Entrance Facilities is applied for each point of termination (N) (N)

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding or a change in the physical location of the point of termination at the customer's premises or the customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.7 following.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name--e.g., AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a 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 test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of jurisdiction

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

- Rearrangements to convert FGD trunks from multifrequency address signaling to SS7 signaling will be provided at no charge. Rearrangements to convert FGD trunks from SS7 signaling to multifrequency address signaling will incur nonrecurring charge(s) as specified in 6.8.3(A) following. Such conversions will be scheduled on a project basis by the Telephone Company in cooperation with the customer. (N)

- When the service switching point (SSP) is located at the Telephone Company's access tandem, end office and tandem trunk rearrangements will be provided at the charges set forth in 6.8.3 following when all of the following conditions apply:

  (a) End office and tandem trunk rearrangements will be provided only on Feature Group D trunks located at the end office switch.

  (b) The customer must disconnect one trunk at the end office or access tandem for each trunk installed at the SSP-equipped tandem. The number of trunks being connected at the SSP-equipped tandem cannot exceed the number of trunks disconnected.

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(c) The customer must place the order to connect at the SSP-equipped tandem at the same time the order is placed to disconnect from the end office or tandem. The due date of the disconnection order cannot be more than six months past the due date of the order to install at the SSP-equipped tandem.

(d) Orders to install at the SSP-equipped tandem must be received by the Telephone Company with a due date no later than six months after conversion to TFC number portability.

If the Telephone Company installs an SSP at the end office or tandem, upon receipt of an access order prior to December 31, 1995, the customer's trunks will be rearranged from the SSP-equipped tandem to the original end office or tandem.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

The nonrecurring charges associated with routing trunks from tandem to end office or from end office to tandem transport will not apply when the following conditions are met:

(a) The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.

(b) Direct routed end office trunks must subtend the tandem from which the service is being rearranged.

(c) One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will not apply.

(d) The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk. (N)

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

These nonrecurring charges include installation of new facilities between the Telephone Company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks.

- The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1s, multiple DS1s converting to DS3s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested.

- Service rearrangement charges will not apply when a customer converts trunks from tandem-switched transport to direct-trunked transport, or orders the disconnection of over-provisioned trunks, prior to January 1, 2014.

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- A nonrecurring service upgrade charge will apply per DS1, DS3 or STS1 upgraded when converting existing high capacity services to OptiPoint service. The charge does not apply when OptiPoint is ordered as new service and no existing high capacity services are being relocated to the OptiPoint service. The nonrecurring service upgrade charge will apply for each DS1, DS3 or STS1 channel connected to new OptiPoint service when existing DS1, DS3 or STS1 facilities between the same points of termination as the new OptiPoint service are disconnected within 30 days of the order for new services.

- For service rearrangements involving OC3, OC12 or OC48 switched access services (e.g., OptiPoint Service), a charge equal to one half the Optical Service Charge set forth in 6.8.1 will apply for each node rearranged. (N)

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- For all other changes, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one half the Local Transport nonrecurring (i.e., installation) charge will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

- Service rearrangements to redirect traffic from direct routed to tandem routed for performance of the TFC data base query required for TFC Access Service, where the TFC query function is initially available only at the tandem, will be assessed the End Office to Tandem Rearrangement Charge set forth in Section 6.8.3 following. When the TFC data base query function becomes available for TFC Access Service at end offices subtending the tandem to which customers have redirected TFC traffic, customers will be allowed to rearrange TFC traffic from tandem routed to direct routed at no charge provided that the same customer premises is maintained.

(4) 900 Access Service

A nonrecurring charge as specified in 6.8.5 following applies each time a change is made which involves the addition or deletion of 900 NXX codes to be routed to the customer. The charge is assessed per 900 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 900 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for 900 Access Service in each LATA, access tandem or end office.

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(5) Interim 500 Access Service

A nonrecurring charge as specified in 6.8.7 following applies each time a change is made which involves the addition or deletion of 500 NXX codes to be routed to the customer. The charge is assessed per 500 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 500 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for Interim 500 Access Service in each LATA, access tandem or end office.

(D) Application of Rates

Switched Transport and Local Switching rates are applied to all Feature Groups and Interim 500 Access, TFC and 900 Access Services. (C)

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

The Telephone Company will provide written notification to all access customers of record within a particular local calling area that an end office in that local calling area is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the local calling area where the conversion is scheduled to occur, at least six months in advance of the conversion date.

The customer will have the choice of converting existing services to equal access (i.e., Feature Group D) at no charge pursuant to the conditions set forth in 6.7.6 following, or retaining the existing services. Rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.

6.7.2 Minimum Period

Switched Access Service is provided for a minimum period of one month for Feature Groups A, B, C, Interim 500 Access Service, Toll Free Code (TFC) Access Service, and 900 Access Service, and three months for FGD.

6.7.3 Reserved for Future Use

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.4 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 consists of the following elements:

For usage rated Switched Access Services, the minimum monthly charge for the Local Switching rate elements is the sum of the charges set forth in 6.8.3 following for the measured or assumed usage for the month. (C)

6.7.5 Reserved For Future Use

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

This Page Reserved For Future Use

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

This Page Reserved For Future Use

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with two exceptions.

(1) When a customer upgrades a Feature Group A or B service to a Feature Group D service, or establishes, Feature Group D service in lieu of upgrading FGB service to FGD, in order to receive originating Toll Free Code (TFC) Access service, the nonrecurring charges will not apply if the following conditions are met:

(a) The same customer premises is maintained, and

(b) The orders for the disconnect of the FGA or FGB service and the start of FGD service are placed with the Telephone Company at the same time, and

(c) The customer requests the same effective date for both the disconnect of service and start of service orders, or

(d) The customer requests the FGA or FGB service be disconnected no more than 90 days after the start of the FGD service.

(2) When a FGC service is upgraded to a FGD service, the nonrecurring charge will not apply. Because FGC is no longer available in an end office once the end office is equipped with equal access capabilities, (i.e., FGD), such upgrades will be performed by the Telephone Company without the customer being required to place an order for the change.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Change of Feature Group Type (Cont'd)

At the time the customer upgrades from FGA, FGB or FGC to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport). (N) (N)

When the effective dates for the disconnect and start of service are the same, minimum period obligations will not change, (i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for FGD). When the effective dates for the disconnect and start of service are different, new minimum period obligations will be established for the FGD service. For all other changes from one type of Feature Group to another, new minimum period obligations will also be established.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 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 the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the capacity affected. There will be no change in the minimum period requirements.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Moves (Cont'd)

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

When moves to a different building occur simultaneously with rerouting trunks from tandem to end office or from end office to tandem transport, a charge equal to one half of the associated installation charges will apply. (N) (N)

6.7.8 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA and FGB, FGC to TFC, and FGD, and for originating calls over FGB and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGA and FGC, chargeable originating access minutes are derived from measured access minutes and through the use of Telephone Company factors. Chargeable access minutes are derived on an individual entity basis from measured terminating access minutes through application of a factor based on the Centralized Message Data System (CMDS) Report 809 Out + In/Out ratio minus 1.

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

Usage rated FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group. Usage rated FGB, FGC and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Assumed minutes are used for FGA and FGB services which originate or terminate in end offices not equipped with measurement capabilities.

Where originating and/or terminating recording capability does not exist for FGA, the number of access minutes will be assumed to be 3080 access minutes per line if the line is arranged for two way calling, 1629 access minutes per line if the line is arranged for originating only calling, and 1451 access minutes per line if the line is arranged for termination only calling. When the line is arranged for two way calling and there is no recording capability for either direction , 1629 access minutes will be assumed to originating and 1451 access minutes will be assumed to be terminating. Where recording capability exists for either originating or terminating usage, but not both, on a line arranged for two way calling, the number of access minutes per line will be an assumed 3080 or the recorded usage, whichever is greater. If the usage in the measured direction exceeds 3080 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 3080 access minutes, the usage in the unmeasured direction will be assumed to be 3080 access minutes minus the measured usage (e.g., 3080-2000 measured = 1080 assumed in the unmeasured direction).

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

Where originating and/or terminating recording capability does not exist for FGB provided to an entry switch, the number of access minutes will be assumed to be 9000 access minutes per trunk if the trunk is arranged for two way calling, and 4500 access minutes per trunk if the trunk is arranged for one way calling. When the trunk is arranged for one way calling and there is no recording capability for either direction, 4500 access minutes will be assumed to be originating and 4500 access minutes will be assumed to terminating. Where recording capability exists for either originating or terminating usage, but not both, on a trunk arranged for two way calling, the number of access minutes per trunk will be an assumed 9000 or the recorded usage, whichever is greater. If the usage in the measured direction exceeds 9000 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 9000 access minutes, the usage in the unmeasured direction will be assumed to be 9000 access minutes minus the measured usage (e.g., 9000 - 6000 measured = 3000 assumed in unmeasured direction).

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(A) Feature Group A Usage Measurement

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(A) Feature Group A Usage Measurement (Cont'd)

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(B) Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(B) Feature Group B Usage Measurement (Cont'd)

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(C) Feature Group C Usage Measurement

For originating calls over FGC, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating that the called party has answered.

The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGC to services other than TFC, 900 or Directory Assistance, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to TFC, 900 or Directory Assistance Services. Actual measured usage will be used where available rather than an imputed value.

For terminating calls over FGC to TFC Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating TFC Service end user has answered.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(C) Feature Group C Usage Measurement (Cont'd)

The measurement of terminating call usage over FGC to TFC Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating TFC Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

(D) Feature Group D Usage Measurement

For originating calls over FGD, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination.

The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(E) Toll Free Code (TFC) Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer’s point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(E) TFC Access Service Usage Measurement (Cont'd)

forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, which ever is recognized first by the end office.

(F) 900 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, which ever is recognized first by the end office.

(G) Interim 500 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the riginating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes (Cont'd)

(G) Interim 500 Access Service Usage Measurement (Cont'd)

transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, which ever is recognized first by the end office.

6.7.9 Accumulation of Number of Transmission Paths (N)

The number of transmission paths used to determine the charges as set forth in Section 6.8 shall be the sum of the number of paths actually provided as set forth in Section 6.5.5. (N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.10 Network Blocking Charge for Feature Group D (T)

The customer will be notified by the Telephone Company to increase its capacity when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in 6.5.7 preceding are exceeded. If the order for sufficient additional capacity to handle the customers' traffic has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 6.8.2(C) following, for each overflow in excess of the chargeable threshold.

Chargeable Thresholds

For Trunk Groups As Specified in 6.5.7(D)(1)

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1-2	18
3-4	19
5-6	13
7-40	10
41-139	9
140-500	8
501 or greater	7

For Trunk Groups As Specified in 6.5.7(D)(2)

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1-4	10
5-6	8
7-125	6
126 or greater	5

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.11 Application of Rates for Extension Service (T)

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different exchange. Feature Group A extensions within the same exchange are charged for under the Telephone Company's local and/or general exchange service tariffs. Feature Group A extensions in different exchanges are charged for as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination Channel Mileage, if applicable and a Signaling Capability if applicable. All appropriate monthly rates and nonrecurring charges set forth in 7.5.3 following will apply. Such extensions are ordered as set forth in 5.2 preceding.

6.7.12 Message Unit Credit (T)

Calls from end users to the seven digit local telephone numbers associated with Feature Groups A Switched Access Service will not be charged, therefore, a message unit credit will not be applicable.

6.7.13 Local Information Delivery Services (T)

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.8 following. In addition, the charges per call as specified under the Telephone Company's local and/or general exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, will also apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Mileage Measurement (T)

The mileage to be used to determine the monthly rate for Local Transport of usage rated Feature Group A, B, C and D services is calculated based on the airline distance between the end office switch where the call carried by Local Transport originates or terminates and the customer's serving wire center, except as set forth in (A) through (E) following. The V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff for Wire Center Information (V&H coordinates (1)).

(D)
(D)

If the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates. (N) (N)

Exceptions to the mileage measurement rules are as follows:

(A) When Switched Transport facilities of different capacities are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method as set forth following: (C) (C)

(1) For intraLATA Local Exchange Carrier to Local Exchange Carrier Traffic, percentages of ownership will be determined by the V & H coordinates located in the Missouri intrastate IntraLATA Compensation Plan Database.

(2) When only one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the hub where multiplexing (i.e., facilities interconnection) occurs and then measured from the hub to the end office where the call is switched to originate or terminate. (N) (N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Mileage Measurement (Cont'd) (T)

(A) (Cont'd) (N)

(3) When more than one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub, and then from the second hub to the end office where the call is switched to originate or terminate.

If more than two hubs are involved, mileage is measured successively between each intervening hub, with the final measurement being from the last hub to the end office where the call is switched to originate or terminate. (N)

(B) When transport is provided to a host/remote arrangement, Tandem-Switched Transmission rates apply from the Host office to the associated RSMs/RSSs. Mileage for Tandem-Switched Transmission is calculated from the V&H coordinates of the Host office and the RSS/RSM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the transport service provided from the host/remote arrangement. (C)

(C) When Switched Transport is provided to a Class 4/5 switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H coordinates method.

Direct-Trunked Transport is measured from the serving wire center to the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the hub to the end office.

Tandem-Switched Transmission is measured from the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Mileage Measurement (Cont'd) (T)

(D) When Direct-Trunked Transport is provided for line side Switched Access services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply. (C)

Direct-Trunked Transport applies to both originating and terminating usage, and mileage is calculated using the V&H coordinates of the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access service is provided.

Tandem-Switched Transmission applies only to terminating usage, and mileage is calculated using the V&H coordinates of the dial tone office and the end office where the call is switched to terminate.

(E) Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Feature Group A switching dial tone is provided and the customer's serving wire center for the Switched Access Service provided. (C)

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Mileage Measurement (Cont'd) (T)

(F) When trunks are rerouted from an end office to an access tandem as set forth in 6.7.1(C)(3) preceding, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer's POP associated with that access tandem. (C)

(G) When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two transmission routes used to provide this feature. For Feature Groups B and C, such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3(O) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the basis for the Switched Transport mileage calculation. The customer will be billed accordingly. (C)

(H) Switched Transport mileage for access minutes originating from or terminating at a remote switching system (RSS) or remote switching module (RSM) that shares an NXX with its host office will be based on the airline miles between the customer's serving wire center and the host office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the host's NXX) will be based on the airline miles between the customer's serving wire center and the RSS or RSM. (N) (N)

(M)

(M)

(M) Material omitted from this page now appears on Pages 262.1 and 262.2.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Mileage Measurement (Cont'd)

(I) When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Switched Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC group. This apportionment will serve as the basis for Switched Transport mileage calculation and the customer will be billed accordingly.

(J) When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer's serving wire center and the dial tone office.

(K) Switched transport mileage for Interim 500, TFC and 900 Access Service is based on the airline distance between the end office switch where the Interim 500, TFC or 900 Access Service traffic originates and the customer's serving wire center.

(L) Where Feature Groups A, B, C, and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline mileage basis between:

(1) The WATS Serving Office and the Serving Wire Center for the customer designated premises, or

(2) The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises.

6.7.15 Shared Use

Shared use occurs when Special Access Service and Switched Access Service are provided over the same Special Access facility through a common interface. The Special Access monthly rate for the Channel Termination, Channel Mileage, if applicable, and multiplexer will apply, regardless of whether any individual channels of the Shared Special Access facility are used for Special Access Service, Switched Access Service, or any other type of service. The practice known as "ratcheting" (to apply non-Special Access rates on a proportional basis) shall not apply in any circumstance. (D)(C) (D)(C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.16 Toll Free Code (TFC), Interim 500 or 900 NXX in Multi-State LATAs (M) (C)

For customers ordering LATA-wide TFC, Interim 500 or 900 NXX Access Service in LATAs that cross-state boundaries but are served by the same screening office, the applicable nonrecurring charge for that screening office, as set forth in 6.8.4, 6.8.5 and 6.8.7 following, will not be billed twice (i.e., once for each state); they will only be billed once for each NXX code activated or deactivated in that screening office. (M) (C)

6.7.17 Facility Hubs (N)

A customer has the option of ordering DS1 or DS3 facilities to a facility Hub for channelizing to individual services requiring lower capacity facilities.

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice may occur at a different location. When ordering, the customer must specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a DS1 facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not DS1.

The Telephone company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a DS1 or DS3 channel termination, channel mileage (when applicable), and multiplexing at the time the facility is installed. Individual service rates (by service type) will apply for a channel termination and additional channel mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed. (N)

(M) This material previously appeared on Page 262.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.17 Facility Hubs (Cont'd)

Cascading multiplexing occurs when a DS1 or DS3 facility is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS3 facility is de-multiplexed to twenty-eight DS1 facilities, and then one of the DS1 facilities is further de-multiplexed to individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

6.7.18 Switched Access Zone Density Plan

The Switched Access Zone Density Plan is applicable only to DS1, DS3 and OptiPoint Entrance Facilities, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing as set forth in Section 6.1.3 preceding.

The Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing rates applicable for DS1 and DS3 services subject to the Zone Density Plan are dependent upon the zone in which the Telephone Company serving area is located. Direct-Trunked Transport and Tandem Switched Transmission provided between wire centers in different zones will be assessed the rate for the higher zone. Specific Zone Density Charges are set forth in Sections 6.8 following. The zones for the Telephone Company serving area are identified following: (N)

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.18 Switched Access Zone Density Plan (Cont'd)

Zone 1		Zone 2	
End Office	CLLI	End Office	CLLI
Jefferson City	JFCYMOXA	Ft. Leonard Wood	FTLWMOXA
		Lebanon	LBNNMOXA
		Newburg	NWBGMOXA
		Richland	RCLDMOXA
		Rolla	ROLLMOXA
		Salem	SALMMOXA
		St. Robert	STRBMOXA
		Warrensburg	WRBGMOXA
		Waynesville	WYVLMOXA

Zone 3		Zone 4	
End Office	CLLI	End Office	CLLI
None	None	All Other	All Other

(N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.1 Optical Service Charge (C)

	OC3	OC12	OC48	
Nonrecurring Charge	$7,500.00	$8,500.00	$12,500.00	(C)

(M)

(M)

(M) Material omitted from this page now appears on Page 263.1

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities

	Monthly Rates	Nonrecurring Charge
(1) Voice Grade - Per Point of Termination		
- Two Wire	$50.00	$200.00
- Four Wire	$84.00	$200.00

(2) DS1
- Per DS1

	Monthly Rates: Within CO	Monthly Rates: 0–3 Miles	Monthly Rates: Over 3 Miles	Nonrecurring Charge
Zone 1	$88.35	$88.35	$88.35	$340.00
Zone 2	$92.77	$92.77	$92.77	$340.00
Zone 3	$98.33	$98.33	$98.33	$340.00
Zone 4	$106.20	$106.20	$106.20	$340.00

(3) DS3** (C)
- Per DS3

	Monthly Rates: Within CO	Monthly Rates: 0–3 Miles	Monthly Rates: Over 3 Miles
Zone 1	$628.62	$853.10	$1,347.01
Zone 2	$686.00	$930.00	$1,468.00
Zone 3	$741.00	$1,004.00	$1,585.00
Zone 4	$785.00	$1,064.00	$1,680.00

	Nonrecurring Installation Charge	Nonrecurring Rearrangement Charge
Zone 1	$400.00	$200.00
Zone 2	$400.00	$200.00
Zone 3	$400.00	$200.00
Zone 4	$400.00	$200.00

**Grandfathered effective December 9, 2024 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(4) OptiPoint-3 with Telephone Company Provided Terminal Equipment

	Monthly Rates			
	Within CO	0–3 Miles	Over 3 Miles	Nonrecurring Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,841.00	$2,702.00	$4,038.00	$5,380.00
Zone 2	$2,006.00	$2,945.00	$4,401.00	$5,380.00
Zone 3	$2,097.00	$3,077.00	$4,599.00	$5,380.00
Zone 4	$2,201.00	$3,231.00	$4,829.00	$5,380.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,472.50	$2,161.30	$3,230.00	
Zone 2	$1,605.00	$2,355.80	$3,520.70	
Zone 3	$1,677.20	$2,461.80	$3,679.10	
Zone 4	$1,761.10	$2,584.90	$3,863.10	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,330.00	$1,947.50	$2,911.80	
Zone 2	$1,449.70	$2,122.80	$3,173.90	
Zone 3	$1,514.90	$2,218.30	$3,316.70	
Zone 4	$1,590.60	$2,329.20	$3,482.50	
(d) Month-to-Month Rates				
Zone 1	$ 360.00	$2,980.00	$4,450.00	$5,380.00
Zone 2	$ 360.00	$3,240.00	$4,850.00	$5,380.00
Zone 3	$ 370.00	$3,390.00	$5,060.00	$5,380.00
Zone 4	$ 370.00	$3,560.00	$5,320.00	$5,380.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(5) OptiPoint-3 without Telephone Company Provided Terminal Equipment

	Monthly Rates			
	Within CO	0–3 Miles	Over 3 Miles	Nonrecurring Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,093.00	$1,971.00	$3,307.00	$4,140.00
Zone 2	$1,191.00	$2,149.00	$3,605.00	$4,140.00
Zone 3	$1,245.00	$2,245.00	$3,767.00	$4,140.00
Zone 4	$1,307.00	$2,358.00	$3,956.00	$4,140.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$ 874.00	$1,577.00	$2,645.80	
Zone 2	$ 952.70	$1,718.90	$2,883.90	
Zone 3	$ 995.60	$1,796.30	$3,013.70	
Zone 4	$1,045.40	$1,886.10	$3,164.40	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$ 788.50	$1,420.30	$2,389.30	
Zone 2	$ 859.50	$1,548.10	$2,604.30	
Zone 3	$ 898.20	$1,617.80	$2,721.50	
Zone 4	$ 943.10	$1,698.70	$2,857.60	
(d) Month-to-Month Rates				
Zone 1	$ 350.00	$2,150.00	$3,600.00	$4,140.00
Zone 2	$ 355.00	$2,340.00	$3,920.00	$4,140.00
Zone 3	$ 360.00	$2,450.00	$4,100.00	$4,140.00
Zone 4	$ 365.00	$2,570.00	$4,300.00	$4,140.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(6) OptiPoint-12 with Telephone Company Provided Terminal Equipment

	Monthly Rates			
	Within CO	0–3 Miles	Over 3 Miles	Nonrecurring Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$2,375.00	$3,028.00	$5,284.00	$13,250.00
Zone 2	$2,589.00	$3,301.00	$5,760.00	$13,250.00
Zone 3	$2,705.00	$3,449.00	$6,019.00	$13,250.00
Zone 4	$2,841.00	$3,622.00	$6,320.00	$13,250.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,900.00	$2,422.50	$4,227.50	
Zone 2	$2,071.00	$2,640.50	$4,608.00	
Zone 3	$2,164.20	$2,759.30	$4,815.40	
Zone 4	$2,272.40	$2,897.30	$5,056.20	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,710.00	$2,185.00	$3,800.00	
Zone 2	$1,863.90	$2,381.70	$4,142.00	
Zone 3	$1,947.80	$2,488.90	$4,328.40	
Zone 4	$2,045.20	$2,613.30	$4,544.80	
(d) Month-to-Month Rates				
Zone 1	$ 750.00	$3,340.00	$5,820.00	$13,250.00
Zone 2	$ 760.00	$3,640.00	$6,340.00	$13,250.00
Zone 3	$ 760.00	$3,800.00	$8,060.00	$13,250.00
Zone 4	$ 770.00	$3,990.00	$8,460.00	$13,250.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(7) OptiPoint-12 without Telephone Company Provided Terminal Equipment

	Monthly Rates			
	Within CO	0–3 Miles	Over 3 Miles	Nonrecurring Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,366.00	$2,132.00	$4,198.00	$11,070.00
Zone 2	$1,489.00	$2,324.00	$4,576.00	$11,070.00
Zone 3	$1,556.00	$2,428.00	$4,782.00	$11,070.00
Zone 4	$1,633.00	$2,549.00	$5,021.00	$11,070.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,092.50	$1,705.30	$3,358.30	
Zone 2	$1,190.80	$1,858.80	$3,660.50	
Zone 3	$1,244.40	$1,942.40	$3,825.20	
Zone 4	$1,306.60	$2,039.50	$4,016.50	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$ 983.30	$1,534.30	$3,021.00	
Zone 2	$1,071.80	$1,672.40	$3,292.90	
Zone 3	$1,120.00	$1,747.70	$3,441.10	
Zone 4	$1,176.00	$1,835.10	$3,613.20	
(d) Month-to-Month Rates				
Zone 1	$ 740.00	$2,320.00	$4,570.00	$11,070.00
Zone 2	$ 745.00	$2,530.00	$4,980.00	$11,070.00
Zone 3	$ 750.00	$2,640.00	$5,200.00	$11,070.00
Zone 4	$ 755.00	$2,780.00	$5,460.00	$11,070.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(8) OptiPoint-48 with Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring
	Within CO	0–3 Miles	Over 3 Miles	Installation Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,800.00	$8,410.00	$11,770.00	$19,880.00
Zone 2	$1,800.00	$9,170.00	$12,830.00	$19,880.00
Zone 3	$1,800.00	$9,580.00	$13,410.00	$19,880.00
Zone 4	$1,810.00	$10,060.00	$14,070.00	$19,880.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$6,175.00	$7,885.00	$11,970.00	
Zone 2	$6,730.80	$8,594.70	$13,047.30	
Zone 3	$7,033.70	$8,981.50	$13,634.40	
Zone 4	$7,385.40	$9,430.60	$14,316.10	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$5,605.00	$7,125.00	$9,975.00	
Zone 2	$6,109.50	$7,766.30	$10,872.80	
Zone 3	$6,384.40	$8,115.80	$11,362.10	
Zone 4	$6,703.60	$8,521.60	$11,930.20	
(d) Month-to-Month Rates				
Zone 1	$1,990.00	$9,340.00	$13,070.00	$19,880.00
Zone 2	$2,000.00	$10,180.00	$14,250.00	$19,880.00
Zone 3	$2,000.00	$10,640.00	$14,890.00	$19,880.00
Zone 4	$2,010.00	$11,170.00	$15,630.00	$19,880.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(9) OptiPoint-48 without Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring
	Within CO	0–3 Miles	Over 3 Miles	Installation Charge
(a) 1 Year Commitment Rates - Per Point of Termination				
Zone 1	$1,990.00	$6,630.00	$11,620.00	$16,610.00
Zone 2	$2,000.00	$7,230.00	$12,660.00	$16,610.00
Zone 3	$2,010.00	$7,550.00	$13,230.00	$16,610.00
Zone 4	$2,010.00	$7,930.00	$13,900.00	$16,610.00
(b) 3 Year Commitment Rates - Per Point of Termination				
Zone 1	$3,515.00	$5,510.00	$9,310.00	
Zone 2	$3,831.40	$6,005.90	$10,147.90	
Zone 3	$4,003.80	$6,276.20	$10,604.60	
Zone 4	$4,204.00	$6,590.00	$11,134.80	
(c) 5 Year Commitment Rates - Per Point of Termination				
Zone 1	$3,230.00	$5,035.00	$8,835.00	
Zone 2	$3,520.70	$5,488.20	$9,630.20	
Zone 3	$3,679.10	$5,735.20	$10,063.60	
Zone 4	$3,863.10	$6,022.00	$10,566.80	
(d) Month-to-Month Rates - Per Point of Termination				
Zone 1	$2,160.00	$7,200.00	$12,630.00	$16,610.00
Zone 2	$2,170.00	$7,850.00	$13,760.00	$16,610.00
Zone 3	$2,180.00	$8,200.00	$14,380.00	$16,610.00
Zone 4	$2,185.00	$8,610.00	$15,100.00	$16,610.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(A) Entrance Facilities (Cont'd)

(10) STS1 (51.84 Mbps)

	Monthly Rates		
	Within CO	0–3 Miles	Over 3 Miles
Zone 1	$1,035.00	$1,595.00	$2,400.00
Zone 2	$1,280.00	$1,765.00	$2,685.00
Zone 3	$1,375.00	$1,850.00	$2,935.00
Zone 4	$1,443.75	$1,942.50	$3,081.75

	Nonrecurring Installation Charge	Nonrecurring Rearrangement Charge
Zone 1	$300.00	$150.00
Zone 2	$300.00	$150.00
Zone 3	$300.00	$150.00
Zone 4	$300.00	$150.00

(B) Direct-Trunked Transport

		Monthly Rates	
		Termination (Fixed)	Facility (Per Mile)
(1)	Voice Grade -Per Channel	$24.00	$0.30
(2)	DS1 -Per DS1		
	Zone 1	$47.50	$2.14
	Zone 2	$49.88	$2.24
	Zone 3	$52.87	$2.38
	Zone 4	$57.10	$2.57

(N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(B) Direct-Trunked Transport (Cont'd)

	Monthly Rates	
	Termination (Fixed)	Facility (Per Mile)
(3) DS3 - Per DS3		
Zone 1	$502.27	$38.00
Zone 2	$547.00	$41.00
Zone 3	$591.00	$44.00
Zone 4	$626.00	$47.00
(4) OptiPoint-3		
(a) 1 Year Commitment Rates		
Zone 1	$2,566.00	$226.00
Zone 2	$2,797.00	$246.00
Zone 3	$2,923.00	$257.00
Zone 4	$3,069.00	$270.00
(b) 3 Year Commitment Rates		
Zone 1	$2,053.00	$180.50
Zone 2	$2,237.80	$196.70
Zone 3	$2,338.50	$205.60
Zone 4	$2,455.40	$215.90
(c) 5 Year Commitment Rates		
Zone 1	$1,860.10	$161.50
Zone 2	$2,027.50	$176.00
Zone 3	$2,118.70	$183.90
Zone 4	$2,224.60	$193.10
(d) Month-to-Month Rates		
Zone 1	$2,830.00	$250.00
Zone 2	$3,080.00	$280.00
Zone 3	$3,220.00	$290.00
Zone 4	$3,380.00	$300.00

(N)

ACCESS SERVICE (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(B) Direct-Trunked Transport (Cont'd)

	Monthly Rates	
	Termination (Fixed)	Facility (Per Mile)
(5) OptiPoint-12		
(a) 1 Year Commitment Rates		
Zone 1	$6,429.00	$565.00
Zone 2	$7,008.00	$616.00
Zone 3	$7,323.00	$644.00
Zone 4	$7,689.00	$676.00
(b) 3 Year Commitment Rates		
Zone 1	$5,143.30	$452.20
Zone 2	$5,606.20	$492.90
Zone 3	$5,858.50	$515.10
Zone 4	$6,151.40	$540.90
(c) 5 Year Commitment Rates		
Zone 1	$4,629.40	$411.40
Zone 2	$5,046.00	$448.40
Zone 3	$5,273.10	$468.60
Zone 4	$5,536.80	$492.00
(d) Month-to-Month Rates		
Zone 1	$2,830.00	$250.00
Zone 2	$3,080.00	$280.00
Zone 3	$3,220.00	$290.00
Zone 4	$3,380.00	$300.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(B) Direct-Trunked Transport (Cont'd)

	Monthly Rates	
	Termination (Fixed)	Facility (Per Mile)
(6) OptiPoint-48		
(a) 1 Year Commitment Rates		
Zone 1	$13,000.00	$810.00
Zone 2	$14,170.00	$890.00
Zone 3	$14,810.00	$930.00
Zone 4	$15,550.00	$980.00
(b) 3 Year Commitment Rates		
Zone 1	$12,350.00	$712.50
Zone 2	$13,461.50	$776.60
Zone 3	$14,067.30	$811.50
Zone 4	$14,770.70	$852.10
(c) 5 Year Commitment Rates		
Zone 1	$11,020.00	$684.00
Zone 2	$12,011.80	$745.60
Zone 3	$12,552.30	$779.20
Zone 4	$13,179.90	$818.20
(d) Month-to-Month Rates		
Zone 1	$14,440.00	$900.00
Zone 2	$15,740.00	$980.00
Zone 3	$16,450.00	$1,030.00
Zone 4	$17,270.00	$1,080.00
(7) STS1 (51.84 Mbps)		
Zone 1	$851.00	$100.00
Zone 2	$941.00	$145.00
Zone 3	$976.00	$158.00
Zone 4	$1,024.80	$165.90 (N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

	Rate Per Access Minute			
(C) Tandem-Switched Transport	Originating **Non-Toll Free** *	Terminating 3rd Party	Terminating End Office	(T)
(1) Tandem-Switched Transmission				
(a) Termination (Fixed)				
Zone 1	$0.000218	$0.000218	$0.000000	
Zone 2	$0.000235	$0.000235	$0.000000	
Zone 3	$0.000245	$0.000245	$0.000000	
Zone 4	$0.000278	$0.000278	$0.000000	
(b) Facility (Per Mile)				
Zone 1	$0.000020	$0.000020	$0.000000	
Zone 2	$0.000021	$0.000021	$0.000000	
Zone 3	$0.000023	$0.000023	$0.000000	
Zone 4	$0.000025	$0.000025	$0.000000	
(2) Tandem Switching				
Zone 1	$0.000331	$0.000331	$0.000000	
Zone 2	$0.000362	$0.000362	$0.000000	
Zone 3	$0.000381	$0.000381	$0.000000	
Zone 4	$0.000425	$0.000425	$0.000000	
(3) Common Transport Multiplexing				
Zone 1	$0.000218	$0.000218	$0.000000	
Zone 2	$0.000235	$0.000235	$0.000000	
Zone 3	$0.000254	$0.000254	$0.000000	
Zone 4	$0.000277	$0.000277	$0.000000	

(4) 8YY Joint Tandem Switched Transport		(N)
	Originating Toll Free *	
All Zones	**$0.001**	(N)

* **Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free Originating Transport services were established. The Toll Free originating rate element for transport services is displayed as 8YY Joint Tandem Switched Transport.** (N) (N) (N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport

(C) Tandem-Switched Transport (Cont'd)

	Monthly Rate
(5) Dedicated Trunk Port	
(a) Per DS0	$3.66
(b) Per DS1	$93.40
(6) Dedicated Multiplexing – DS3 to DS1	
Zone 1	$237.50
Zone 2	259.00
Zone 3	280.00
Zone 4	297.00

(D) Residual Interconnection Charge	Per Access Minute	
Originating – **Non-Toll Free ***	$0.014057	(T)
Terminating	$0.000000	

*** Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free Originating Transport services were established. The Toll Free originating combined rate element for transport services is displayed as 8YY Joint Tandem Switched Transport, preceding.**

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features	Monthly Rates	
Provision of other than Telephone Company Selected Traffic Routing (available with FGB, FGC, and FGD)		
- Direct Trunking in lieu of Tandem Trunking	GAR	(C)
- Tandem Trunking in lieu of Direct Trunking	GAR	(M) | (M) (C)

(M) This material previously appeared on Page 265.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)	Monthly Rates	
		(M) | (M)
Customer Specification of Feature Group Directionality (Available with FGB, FGC*, FGD)		
- One-Way Operation in lieu of Two-Way Operation	GAR	(C)
- Two-Way Operation in lieu of One-Way Operation	GAR	(M1) | (M1) (C)

* For FGC this option is available only in appropriately equipped end offices.

(M) Material omitted from this page now appears on Page 264.
(M1) This material previously appeared on Page 266.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)	Monthly Rates	
		(M) | (M)
Customer Specification of Local Transport Termination (Available with FGB with Type B Transmission Performance)		
- Four Wire Termination in lieu of Two-Wire Termination	GAR	(C)

(M) Material omitted from this page now appears on Page 265.

ACCESS SERVICE (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(4) Multiplexing

		Monthly Rate	Nonrecurring Charge	
(a)	DS1 to Voice Grade			
	Zone 1	$152.00	$125.00	
	Zone 2	$159.60	$125.00	
	Zone 3	$169.18	$125.00	
	Zone 4	$182.71	$125.00	
(b)	DS3 to DS1			
	Zone 1	$237.50	$200.00	
	Zone 2	$259.00	$200.00	
	Zone 3	$280.00	$200.00	
	Zone 4	$297.00	$200.00	
(c)	STS1 to DS1			
	Zone 1	$397.00	$250.00	
	Zone 2	$545.00	$250.00	
	Zone 3	$580.00	$250.00	
	Zone 4	$609.00	$250.00	(N)

ACCESS SERVICE (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

	Monthly Rate
(5) OptiPoint Configuration Node	
(a) OC3 – per arrangement Per Point of Termination	
- 1 Year Commitment Rates	
Zone 1	$208.00
Zone 2	$227.00
Zone 3	$237.00
Zone 4	$249.00
- 3 Year Commitment Rates	
Zone 1	$166.30
Zone 2	$181.30
Zone 3	$189.50
Zone 4	$199.00
- 5 Year Commitment Rates	
Zone 1	$142.50
Zone 2	$155.30
Zone 3	$162.30
Zone 4	$170.40
- Month-to-Month Rates	
Zone 1	$230.00
Zone 2	$250.00
Zone 3	$270.00
Zone 4	$280.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(5) OptiPoint Configuration Node (Cont'd)

	Monthly Rate
(b) OC12 – per arrangement Per Point of Termination	
- 1 Year Commitment Rates	
Zone 1	$950.00
Zone 2	$1,036.00
Zone 3	$1,082.00
Zone 4	$1,136.00
- 3 Year Commitment Rates	
Zone 1	$760.00
Zone 2	$828.40
Zone 3	$865.70
Zone 4	$909.00
- 5 Year Commitment Rates	
Zone 1	$665.00
Zone 2	$724.90
Zone 3	$757.50
Zone 4	$795.40
- Month-to-Month Rates	
Zone 1	$1,050.00
Zone 2	$1,140.00
Zone 3	$1,200.00
Zone 4	$1,250.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(5) OptiPoint Configuration Node (Cont'd)

	Monthly Rate
(c) OC48 – per arrangement Per Point of Termination	
- 1 Year Commitment Rates	
Zone 1	$930.00
Zone 2	$1,010.00
Zone 3	$1,060.00
Zone 4	$1,110.00
- 3 Year Commitment Rates	
Zone 1	$888.30
Zone 2	$968.20
Zone 3	$1,011.80
Zone 4	$1,062.40
- 5 Year Commitment Rates	
Zone 1	$779.00
Zone 2	$849.10
Zone 3	$887.30
Zone 4	$931.70
- Month-to-Month Rates	
Zone 1	$1,030.00
Zone 2	$1,120.00
Zone 3	$1,170.00
Zone 4	$1,230.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(6) OptiPoint-3 Configuration Card

(a) 1 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$18.00
DS3	$71.00
OC3 Concatenated	$380.00
STS1	$77.00
Zone 2	
DS1	$20.00
DS3	$78.00
OC3 Concatenated	$414.00
STS1	$84.00
Zone 3	
DS1	$20.00
DS3	$81.00
OC3 Concatenated	$433.00
STS1	$88.00
Zone 4	
DS1	$21.00
DS3	$85.00
OC3 Concatenated	$455.00
STS1	$92.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(6) OptiPoint-3 Configuration Card (Cont'd)

(b) 3 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$14.30
DS3	$57.00
OC3 Concatenated	$304.00
STS1	$61.80
Zone 2	
DS1	$15.60
DS3	$62.10
OC3 Concatenated	$331.40
STS1	$67.40
Zone 3	
DS1	$16.30
DS3	$64.90
OC3 Concatenated	$346.30
STS1	$70.40
Zone 4	
DS1	$17.10
DS3	$68.10
OC3 Concatenated	$363.60
STS1	$73.90 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(6) OptiPoint-3 Configuration Card (Cont'd)

(c) 5 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$12.40
DS3	$47.50
OC3 Concatenated	$261.30
STS1	$57.00
Zone 2	
DS1	$13.50
DS3	$51.80
OC3 Concatenated	$284.80
STS1	$62.10
Zone 3	
DS1	$14.10
DS3	$54.10
OC3 Concatenated	$297.60
STS1	$64.90
Zone 4	
DS1	$14.80
DS3	$56.80
OC3 Concatenated	$312.50
STS1	$68.10

(N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(6) OptiPoint-3 Configuration Card (Cont'd)

(d) Month-to-Month Rates

	Monthly Rates Per Card
Zone 1	
DS1	$20.00
DS3	$80.00
OC3 Concatenated	$420.00
STS1	$90.00
Zone 2	
DS1	$30.00
DS3	$90.00
OC3 Concatenated	$460.00
STS1	$100.00
Zone 3	
DS1	$30.00
DS3	$90.00
OC3 Concatenated	$480.00
STS1	$100.00
Zone 4	
DS1	$30.00
DS3	$100.00
OC3 Concatenated	$510.00
STS1	$110.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(7) OptiPoint-12 Configuration Card

(a) 1 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$24.00
DS3	$86.00
OC3	$178.00
OC3 Concatenated	$291.00
OC12 Concatenated	$2,969.00
STS1	$84.00
Zone 2	
DS1	$26.00
DS3	$93.00
OC3	$194.00
OC3 Concatenated	$317.00
OC12 Concatenated	$3,236.00
STS1	$85.00
Zone 3	
DS1	$27.00
DS3	$98.00
OC3	$203.00
OC3 Concatenated	$332.00
OC12 Concatenated	$3,382.00
STS1	$88.00
Zone 4	
DS1	$28.00
DS3	$102.00
OC3	$213.00
OC3 Concatenated	$348.00
OC12 Concatenated	$3,551.00
STS1	$92.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(7) OptiPoint-12 Configuration Card (Cont'd)

(b) 3 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$19.00
DS3	$68.40
OC3	$142.50
OC3 Concatenated	$232.80
OC12 Concatenated	$2,375.00
STS1	$61.80
Zone 2	
DS1	$20.70
DS3	$74.60
OC3	$155.30
OC3 Concatenated	$253.80
OC12 Concatenated	$2,588.80
STS1	$67.40
Zone 3	
DS1	$21.60
DS3	$78.00
OC3	$162.30
OC3 Concatenated	$265.20
OC12 Concatenated	$2,705.30
STS1	$70.40
Zone 4	
DS1	$22.70
DS3	$81.90
OC3	$170.40
OC3 Concatenated	$278.50
OC12 Concatenated	$2,840.60
STS1	$73.90 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(7) OptiPoint-12 Configuration Card (Cont'd)

(c) 5 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS1	$14.30
DS3	$57.00
OC3	$118.80
OC3 Concatenated	$194.80
OC12 Concatenated	$2,137.50
STS1	$57.00
Zone 2	
DS1	$15.60
DS3	$62.10
OC3	$129.50
OC3 Concatenated	$212.30
OC12 Concatenated	$2,329.90
STS1	$62.10
Zone 3	
DS1	$16.30
DS3	$64.90
OC3	$135.30
OC3 Concatenated	$221.90
OC12 Concatenated	$2,434.70
STS1	$64.90
Zone 4	
DS1	$17.10
DS3	$68.10
OC3	$142.10
OC3 Concatenated	$233.00
OC12 Concatenated	$2,556.40
STS1	$68.10 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(7) OptiPoint-12 Configuration Card (Cont'd)

(d) Month-to-Month Rates

	Monthly Rates Per Card
Zone 1	
DS1	$20.00
DS3	$80.00
OC3	$420.00
OC3 Concatenated	$420.00
OC12 Concatenated	$750.00
STS1	$90.00
Zone 2	
DS1	$30.00
DS3	$90.00
OC3	$460.00
OC3 Concatenated	$460.00
OC12 Concatenated	$760.00
STS1	$100.00
Zone 3	
DS1	$30.00
DS3	$90.00
OC3	$480.00
OC3 Concatenated	$480.00
OC12 Concatenated	$760.00
STS1	$100.00
Zone 4	
DS1	$30.00
DS3	$100.00
OC3	$510.00
OC3 Concatenated	$510.00
OC12 Concatenated	$770.00
STS1	$110.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(8) OptiPoint-48 Configuration Card

(a) 1 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS3	$90.00
OC3	$350.00
OC12	$540.00
OC3 Concatenated	$390.00
OC12 Concatenated	$620.00
STS1	$160.00
Zone 2	
DS3	$100.00
OC3	$370.00
OC12	$590.00
OC3 Concatenated	$430.00
OC12 Concatenated	$670.00
STS1	$180.00
Zone 3	
DS3	$110.00
OC3	$390.00
OC12	$620.00
OC3 Concatenated	$450.00
OC12 Concatenated	$710.00
STS1	$190.00
Zone 4	
DS3	$110.00
OC3	$410.00
OC12	$640.00
OC3 Concatenated	$470.00
OC12 Concatenated	$740.00
STS1	$190.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(8) OptiPoint-48 Configuration Card (Cont'd)

(b) 3 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS3	$95.00
OC3	$380.00
OC12	$570.00
OC3 Concatenated	$437.00
OC12 Concatenated	$655.50
STS1	$152.00
Zone 2	
DS3	$103.60
OC3	$414.20
OC12	$621.30
OC3 Concatenated	$476.30
OC12 Concatenated	$714.50
STS1	$165.70
Zone 3	
DS3	$108.30
OC3	$432.80
OC12	$649.30
OC3 Concatenated	$497.70
OC12 Concatenated	$746.70
STS1	$173.20
Zone 4	
DS3	$113.70
OC3	$454.40
OC12	$681.80
OC3 Concatenated	$522.60
OC12 Concatenated	$784.00
STS1	$181.90 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(8) OptiPoint-48 Configuration Card (Cont'd)

(c) 5 Year Commitment Rates

	Monthly Rates Per Card
Zone 1	
DS3	$76.00
OC3	$285.00
OC12	$451.30
OC3 Concatenated	$327.80
OC12 Concatenated	$517.80
STS1	$128.30
Zone 2	
DS3	$82.80
OC3	$310.70
OC12	$491.90
OC3 Concatenated	$357.30
OC12 Concatenated	$564.40
STS1	$139.80
Zone 3	
DS3	$86.50
OC3	$324.70
OC12	$514.00
OC3 Concatenated	$373.40
OC12 Concatenated	$589.80
STS1	$146.10
Zone 4	
DS3	$90.80
OC3	$340.90
OC12	$539.70
OC3 Concatenated	$392.10
OC12 Concatenated	$619.30
STS1	$153.40 (N)

ACCESS SERVICE (N)

RATES AND CHARGES

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

(8) OptiPoint-48 Configuration Card

	Monthly Rates Per Card
(d) Month-to-Month Rates	
Zone 1	
DS3	$100.00
OC3	$380.00
OC12	$600.00
OC3 Concatenated	$430.00
OC12 Concatenated	$680.00
STS1	$170.00
Zone 2	
DS3	$110.00
OC3	$410.00
OC12	$650.00
OC3 Concatenated	$470.00
OC12 Concatenated	$740.00
STS1	$190.00
Zone 3	
DS3	$120.00
OC3	$430.00
OC12	$680.00
OC3 Concatenated	$490.00
OC12 Concatenated	$780.00
STS1	$200.00
Zone 4	
DS3	$120.00
OC3	$450.00
OC12	$710.00
OC3 Concatenated	$520.00
OC12 Concatenated	$820.00
STS1	$210.00 (N)

ACCESS SERVICE (N)

RATES AND CHARGES

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(E) Optional Features (Cont'd)

		Nonrecurring Charge
(9)	OptiPoint-3, 12 & 48 Service Upgrade	
	-Per DS1, DS3 or STS1 Upgraded	$1,000.00
(10)	OptiPoint Reconfiguration Charge	
	-Per DS3 Equivalent	$625.00

(11) OptiPoint Regeneration Charge		Monthly Rates
(a)	OC3	
	- Per Regeneration	
	1 Year	$1,875.00
	3 Year	$1,500.00
	5 Year	$1,300.00
	Month-to-Month	$1,900.00
(b)	OC12	
	- Per Regeneration	
	1 Year	$3,250.00
	3 Year	$2,600.00
	5 Year	$2,300.00
	Month-to-Month	$3,510.00
(c)	OC48	
	- Per Regeneration	
	1 Year	$4,800.00
	3 Year	$4,600.00
	5 Year	$4,400.00
	Month-to-Month	$5,000.00 (N)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(F) Network Blocking Charge

	Rate Per Call Blocked GAR
- Per Call*	

(G) Installation (Note 2)

	Nonrecurring Charge
- Per Line	$20.00
- Per Trunk	$20.00

6.8.3 Local Switching

	Rate Per Access Minute		
	Originating Toll-Free	Originating Non-Toll Free	Terminating
(A) LS1 and LS2	**$0. 000000 (R)**	$0. 023617	$0.000000

(B) End Office to Tandem Rearrangement Charge (Note 2)

A nonrecurring charge as specified below will apply when a customer requests end office or tandem rearrangement of FGD trunks as set forth in 6.7.1(C)(3) preceding.

	Nonrecurring Charge
Per 24 Channels Converted or Fraction Thereof	$23.45

(C) Dedicated Trunk Port (Note 1)

	Monthly Rate
(a) Per DS0	$ 1.83
(b) Per DS1	$46.70

Note 1: The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The Originating portion of the DS0 charge is $1.83 and the Originating portion of the DS1 charge is $46.70.

Note 2: This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

* Applies to FGD.