

ACCESS SERVICE6. Switched Access Service6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point communications path between a customer designated premises and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of common subscriber plant of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer designated premises, and to terminate calls from a customer designated premises to an end user's premises. Specific references to material describing the elements of Switched Access are provided in 6.1.3 and 6.5 through 6.8 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services. Rates and charges for Switched Access Service are set forth in the Rate Sections, beginning in Section 16, following. The application of rates for Switched Access Service is described in 6.4 following. Rates and charges for services other than Switched Access Service, e.g., a customer's toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.4.5, 6.4.9, 6.5.1(H), 6.5.3, 6.6.1(G), 6.6.2(D), and 6.7.1(E) following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.4.8 following.

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T6.1.1 Description and Provision of Switched Access Service Arrangements(A) Description

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

The provision of each Feature Group requires Local Transport facilities, including an Entrance Facility where required, and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B or D at Company designated WATS Serving Offices.

There are two specific transmission specifications (i.e., Types B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade and High Capacity services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e.,

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whether the service is routed directly to the end office or via an access tandem. The parameters for transmission specifications are set forth in 14.1.2 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer designated premises. Terminating calling permits the delivery of calls from the customer designated premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Company will work cooperatively with the customer to determine the directionality.

There are various optional features associated with Local Transport, Common Switching and Transport Termination available with the Feature Groups. In addition, the Interim 900 NXX Translation optional feature is available with Feature Group D.

Detailed descriptions of each of the available Feature Groups are set forth in 6.5 through 6.7 following. Each Feature Group is described in terms of its specific physical characteristics and calling capabilities, the optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.8.1 following, unless specifically stated otherwise, are available at all Company end office switches.

(B) Manner of Provision

Switched Access is furnished in quantities of lines or trunks. FGA Access and FGB Access are furnished on a per-line or per trunk basis, respectively. FGD is provided to customers on a per trunk basis as set forth in 5.2 preceding.

6.1.2 Ordering Options and Conditions

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

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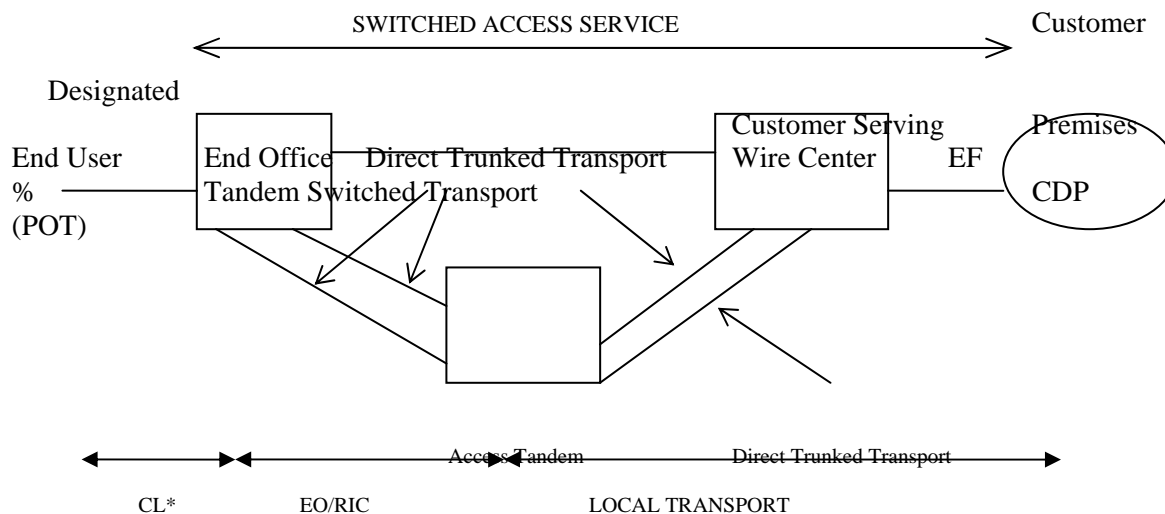
6.1 General (Cont'd)

6.1.3 Rate Categories

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

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

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



CL - Common Line
 EO - End Office
 EF - Entrance Facility - Direct Trunked Termination
 RIC - Residual Interconnection Charge

Direct Trunked Transport
 - Direct Trunked Facility
 Tandem Switched Transport
 - Tandem Switched Facility
 - Tandem Switched Termination

*Common Line Service is provided under Section 3, preceding. - Tandem Switching

(A) Local Transport

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the customer designated premises and the end office switch(es), which may be a Remote Switching Module, where the customer's

By: Cynthia L. Lynch
 Tariffs & Licenses Manager
 GCI Communication Corp.
 2550 Denali Street, Suite 1000
 Anchorage, Alaska 99503

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 6.1 General (Cont'd)
 6.1.3 Rate Categories (Cont'd)
 (A) Local Transport (Cont'd)

traffic is switched to originate or terminate the customer's communications. Mileage measurement rules are set forth in 6.4.6 following and in this section.

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

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

Additionally, when service is to be routed through an access tandem switch, the customer must specify whether the facility between the serving wire center and the tandem is to be provided as Direct Trunked Transport or Tandem Switched Transport.

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

Local Transport is provided at the rates and charges set forth in the Rate Sections, beginning in Section 16, following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following. When more than one telephone company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 2.4.7 preceding.

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The Local Transport Rate Category includes five classes of rate elements: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, (4) Residual Interconnection Charge, and (5) Multiplexing.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer designated premises and type of signaling capability, if any.

Three types of Entrance Facilities are available: (1) Voice Grade 2 or 4 wire (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps) and (3) High Capacity DS3 (an isochronous serial digital channel with a rate of 44.736 Mbps). The minimum period for which a DS3 Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises.

(D)

(D)

At customer request, their Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a letter of authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single customer. Direct Trunked Transport is available at all Company end offices.

Three types of Direct Trunked Transport are available: (1) Voice Grade 2 or 4 wire (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps) and (3) High Capacity DS3 (an isochronous serial digital channel with a rate of 44.736 Mbps). The minimum period for which a High Capacity DS3 Direct Trunked Transport is provided is twelve months.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

Direct Trunked Transport rates consists of a Direct Trunked Facility rate which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (i.e., at the end office, hub, tandem and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

The Direct Trunked Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

(3) Tandem Switched Transport

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

Tandem Switched Transport rate consists of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate.

The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in the Rate Sections, beginning in Section 16, following is applied on a per access minutes per tandem basis for all originating and all terminating minutes of use switched at the tandem.

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The Tandem Switched Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of interoffice circuits. The Tandem Switched Facility rate specified in the Rate Sections, beginning in Section 16, following is applied on a per access minutes per mile basis for all originating and terminating minutes of use routed over the facility.

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By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(3) Tandem Switched Transport (Cont'd)

The Tandem Switched Termination rate recovers a portion of the costs of circuit equipment necessary for the termination of each end of the Tandem Switched Facility. The Tandem Switched Termination rate specified in the Rate Sections, beginning in Section 16, following is applied on a per access minutes basis (for all originating and terminating minutes of use routed over the facility) at each end of Tandem Switched Facility (e.g., at the end office, host office, remote, tandem, and serving wire center). When the Tandem Switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply.

(4) Residual Interconnection Charges

The Residual Interconnection Charge recovers the costs associated with Local Transport that are not recovered by the Entrance Facility, Direct Trunked Transport, Tandem Switched Transport, Multiplexing, or dedicated signaling (i.e., SS7) rates. The Residual Interconnection Charge applies to all access minutes of use (i.e., both Tandem Switched and Direct Trunked).

(5) Multiplexing

DS3 to DS1 Multiplexing charges apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4, WIRE CENTER INFORMATION.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(6) Interface Groups

Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in 14.1 following.

(7) Nonchargeable Optional Features

Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching may, at the option of the customer, be provided with the following optional features as set forth and described in 14.1.1(E) following.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination

When a customer subscribes to Common Channel Signaling (SS7) Network Connection Service (CCSNC Service), the following optional features are made available and are described in 6.8.1 following.

- Signaling System 7 (SS7) Signaling
- Calling Party Number
- Carrier Selection Parameter
- Charge Number Parameter

(8) Common Channel Signaling, Signaling System 7 (CBS/SS7) Network Connection (CCSNC)

Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in 6.8.3 following.

800 Data Base Access Service is provided to all customers in conjunction with FGD switched access service. A Basic or Vertical Feature Query charge, as set forth in the Rate Sections, beginning in Section 16, following is assessed for each query launched to the 800 data base. The Basic query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of originating 800 calls by the Company to different interexchange carriers.

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ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(8) Common Channel Signaling, Signaling System 7 (CBS/SS7) Network Connection (CCSNC) (Cont'd)

Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 numbers (which is generally necessary for the routing of 800 calls); (3) alternate POTS translation (which allows subscribers to vary the routing of 800 calls based on factors such as time of day, place of origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

(B) End Office

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

(1) Local Switching

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, and the termination of calls at Company Intercept Operators or recordings.

Local Switching is applicable to:

- Feature Group D
- Feature Group B when utilized to provide MTS/WATS service
- Feature Groups A and B used for terminating inward WATS and WATS-type service at an equal access WATS Serving Office

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

ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(1) Local Switching (Cont'd)

Rates for Local Switching are set forth in the Rate Sections, beginning in Section 16, following. The application of this rate with respect to individual Feature Groups is as set forth in 6.4.1(C) following. T T

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

(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.5 through 6.7 following.

Included as part of Common Switching are various nonchargeable optional features which the customer can order to meet the customer's specific communications requirements. These optional features are described in 6.8.1 following.

(b) Transport Termination

Transport Termination functions provide for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of these functions are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.8.1 following.

The number of Transport Terminations provided will be determined by the Company as set forth in 6.2.5 following.

(c) Line Termination

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

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(c) Line Termination (Cont'd)

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

(d) Intercept

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

(2) Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth in the Rate Sections, beginning in Section 16, following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following.

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

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

(C) Chargeable Optional Features

Where facilities permit, the Company will, at the option of the customer, provide the following chargeable optional features.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) Chargeable Optional Features (Cont'd)

(1) Interim 900 NXX Translation

The Interim 900 NXX Translation rate element provides for customer identification when calls are directed by end users in the 1+SAC+NXX+XXXX (e.g., 1+900+NXX+XXXX) format. The NXX codes are assigned to specific customers in conformance with the North American Numbering Plan (NANP). NXX code assignment(s) will be made by the Bellcore NANP Coordinator. The Company will use the NXX code to identify the customer to whose point of termination the traffic is to be delivered, (i.e., at appropriately equipped electronic end offices, access tandems or through contracted arrangements with other parties). It is then the responsibility of the customer to do any further translation the customer deems necessary to route the call. Customer assigned NXX codes which have not been ordered will be blocked.

A nonrecurring charge, as set forth in the Rate Sections, beginning in Section 16, following, is associated with this optional feature. This nonrecurring charge is assessed by the Company on a per order, applied in lieu of the Access Order Charge specified in the Rate Sections, beginning in Section 16, following. The nonrecurring charge is assessed only by the Company that provides the final translation function. A Company is said to have provided the final Interim NXX Translation when its translation identifies the customer's traffic, and this traffic is then delivered to the customer's point of termination without any further translation. The description and application of this charge with respect to FGD is as set forth in 6.4.1(B)(2) and 5.4.1(C) following.

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(2) 800 Database

800 Data Base Access Service is provided to all customers in conjunction with FGD switched access service. When a 1+800-NXX-XXXX call is originated by an end user, the Company will utilize the Signaling system 7 (SS7) network to query an 800 data base to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGD switched access.

A Basic or Vertical Feature Query charge, as set forth in the Rate Sections, beginning in Section 16, following, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered.

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By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(C) Chargeable Optional Features (Cont'd)(2) 800 Database (Cont'd)

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

The description and application of the charge with respect to Feature Group D is as set forth in 6.4.1(C) following.

6.2 Undertaking of the Company6.2.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the 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 Company network. The 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 Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the 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.

6.2.2 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.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.2 Undertaking of the Company (Cont'd)6.2.2 Transmission Specifications (Cont'd)

The available transmission specifications are as set forth in 14.1.2 following. Data Transmission parameters are also provided with each Switched Access Service transmission path. The Company will, upon notification by the customer that the data parameters set forth in 14.1.3 following 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 Company will maintain existing transmission specifications on functioning service configurations installed prior to May 25, 1984, except that service configurations having performance specifications exceeding the standards set forth 14.1.2 following will be maintained at the performance levels specified.

The transmission specifications concerning Switched Access Service are limits which, when exceeded, may require the immediate corrective action of the Company. The transmission specifications are set forth in 14.1.2 following. Acceptance limits are set forth in Technical Reference TR-NWT-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

6.2.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the 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, 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.

6.2.4 Testing(A) Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Local Transport is provided with Interface Groups 2 through 10, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

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6. Switched Access Service (Cont'd)
6.2 Undertaking of the Company (Cont'd)
6.2.4 Testing (Cont'd)

(B) Routine Testing

At no additional charge, the Company will, at the customer's request, test after installation on an automatic or manual basis, 1004 Hz loss, C-message noise and Balance (Return loss).

In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Company, but shall consist of not less than quarterly 1004 Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participating for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered as set forth in 13.3.1 following. Charges for these additional tests are set forth in the Rate Sections, beginning in Section 16, following. T

6.2.5 Determination of Number of Transmission Paths

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

For Tandem Switched Transport, the Company will determine the number of Switched Access Service transmission paths to be provided for Switched Access Feature Group D. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of end office switches only, or (3) the use of the tandem switches only.

6.2.6 Trunk Group Measurement Reports

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

ACCESS SERVICE6. Switched Access Service (Cont'd)6.3 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.

6.3.1 Report Requirements(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 2.3.11 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.12 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 orders.

6.3.2 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 Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.3.3 Supervisory Signaling

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

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6. Switched Access Service (Cont'd)

6.3 Obligations of the Customer (Cont'd)

6.3.4 Short Duration Mass Calling Requirements

When a customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the customer must notify the Company at least 48 hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the Company may invoke network management controls (e.g., call gapping and code blocking) to reduce the probability of excessive network congestion. The Company will work cooperatively with the customer to determine the appropriate level of such control.

By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE

6. Switched Access Service

6.4 Rate Regulations

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

6.4.1 Description and Application of Rates and Charges

There are two types of rates and charges that apply to Switched Access Service; recurring (usage and flat rates) and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (C) following.

(A) Recurring Rates

- (1) Usage Rates for Switched Access Service are rates that apply on a per access minute or a per call basis. Access minute charges per call charges are accumulated over a monthly period.
- (2) Flat Rates for Switched Access Service are rates that apply on a per month rate element basis.

(B) Nonrecurring Rates

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, Interim 900 NXX Translation optional feature and service rearrangements. These charges, with the exception of the Interim 900 NXX Translation optional feature, are in addition to the Access Order Charge as specified in the Rate Sections, beginning in Section 16, following.

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(1) Installation of Service

A Local Transport nonrecurring installation charge, as set forth in the Rate Sections, beginning in Section 16, following, will be applied at the serving wire center for each Entrance Facility installed. Additionally a nonrecurring trunk activation charge as set forth in the Rate Sections, beginning in Section 16, following will be applied at each end office when ordered to the end office on a per order per end office basis or at the tandem when ordered to the tandem for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated (i.e., designated by the customer to carry switched access). A maximum of 24 trunks can be activated on a DS1 facility and a maximum of 672 trunks can be activated on a DS3 facility.

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By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Rates (Cont'd)(1) Installation of Service (Cont'd)

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one Direct Trunked Transport Activation nonrecurring charge at the end office. If at a later date the customer request the activation of three more circuits, the customer will then be charged an additional Direct Trunked Transport Activation nonrecurring charge. These charges are in addition to the Access Order Charge as specified in the Rate Sections, beginning in Section 16, following.

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(2) Interim 900 NXX Translation Optional Feature

This nonrecurring charge applies to the initial order for the installation of the Interim 900 NXX Translation optional feature with Feature Group D Switched Access Service and for each subsequent order received to add or change 900 NXX translation codes. This charge, if applicable, applies whether this optional feature is installed coincident with or at any time subsequent to the installation of Switched Access Services. This charge is applied by the Company per order. When it is necessary for multiple telephone companies to provide the translation function, the nonrecurring charge is assessed only by the telephone company that provides the final translation function which identifies the customer's traffic and this traffic is then delivered to the customer's point of termination without any further translation.

(3) Service Rearrangements

All changes to existing services other than changes involving administrative activities and the off-hook supervisory signaling of FGA Access Services, will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charges for as set forth in 6.4.4 following.

If, due to technical limitations of the Company, a customer could not combine its Interim NXX traffic with its other trunk side Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Rates (Cont'd)(3) Service Rearrangements (Cont'd)

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

Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of 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, and
- Change of jurisdiction

Other changes made without charge to the customer are as follows:

- Changes and additions to existing Switched Access Services which are necessary due to Company initiated network reconfiguration, and required to provide the same grade of service to the customer that existed prior to the reconfiguration, will be made without charge to the customer.

Charges will apply to those changes and additions which are in excess of those required to provide the same grade of service and/or capacity. Grade of service will be as determined by industry standard engineering tables.

When a customer request a change of trunks from tandem-switched transport to direct-trunked transport or from direct-trunked transport to tandem-switched transport, or request to rearrange Switched Access service between lower capacity and higher capacity facilities (e.g., voice grade to/from DS-1 or DS-1 to/from DS-3), the nonrecurring charges set forth in (1) preceding do not apply providing:

- the orders to disconnect existing trunks and to connect the new trunks are placed at the same time, and
- the number of installed trunks does not exceed the number of trunks disconnected, all nonrecurring charges will apply to the excess trunks unless the customer provides justification based upon standard engineering methods to show that the additional capacity is required to maintain the same level of service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

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

(B) Nonrecurring Rates (Cont'd)

(3) Service Rearrangements (Cont'd)

Changes to the point in time when the off-hook supervisory signal is provided in the originating call sequence, i.e., when the off-hook supervisory signal is changed from being provided by the customer's equipment before the called party answers to being forwarded by the customer's equipment when the called party answers to vice versa, are subject to the Access Order Charge as set forth in the Rate Sections, beginning in Section 16, following.

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For additions, changes or modifications to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

For additions, changes or modifications to optional features that do not have their own separate nonrecurring charges, an Access Order Charge as set forth in the Rate Sections, beginning in Section 16, following 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).

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For conversion of FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling, nonrecurring charges will apply as set forth in the Rate Sections, beginning in Section 16, following.

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(C) Application of Rates

Rates are applied as premium rates. The application of these rates is dependent upon the Feature Group, type of Entrance Facility, and type of transport (e.g., Direct Trunked Transport, Tandem Switched Transport, type of Multiplexing).

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

(1) Premium Rates

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

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

(C) Application of Rates (Cont'd)

(1) Premium Rates (Cont'd)

Premium rates will apply to all of the flat rated rate elements (i.e., Entrance Facility, Direct Trunked Facility, Direct Trunked Termination and Multiplexing).

(2) Common Channel Signaling/Signaling System 7 Network Connection

The Common Channel Signaling/Signaling System 7 (CBS/SS7) Network Connection is comprised of a Signaling Mileage Facility charge, a Signaling Mileage Termination charge, a Signaling Entrance Facility charge and a Signaling Transfer Point (STP) Port charge.

The Signaling Mileage Facility charge is assessed on a per facility per mile basis. The Signaling Mileage Termination charge is assessed on a per termination basis (i.e., at each end of the Signaling Mileage Facility). When the Signaling Mileage Facility mileage measurement is zero, Signaling Mileage Termination charges do not apply.

The Signaling Entrance Facility charge is assessed on a per facility basis for the connection between the customer's designated premises (Signaling Point of Interface) and the serving wire center of that premises.

The STP Port charge is assessed on a per port basis for each termination of a Signaling Mileage Facility at an STP.

(3) 800 Data Base Access Service

A Basic Query or Vertical Feature Query charge applies for each query that is launched to an 800 data base and identifies the customer to whom the call will be delivered. Query charges, as set forth in the Rate Sections, beginning in Section 16, following, will only be applied by those companies whose wire centers are identified as assessing query charges in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC No. 4.

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When Feature Group D switched access service is used for the provision of 800 Data Base Access Service and the total minutes of use and/or count of queries can be determined for each customer at a tandem or SSP but can not be determined by individual end office, an allocation method will be utilized to determine minutes of use and/or queries by end office and customer. For each end office a ratio will be developed and applied against the total minutes of use.

By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates (Cont'd)(3) 800 Data Base Access Service (Cont'd)

and/or count of queries for a given customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating 800 minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP. For example, assume:

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

EO-1 measures	2,000 minutes of	800 use
EO-2 measures	3,000 minutes of	800 use
EO-3 measures	5,000 minutes of	800 use
	10,000 TOTAL	
- The tandem delivers 800 usage to two customers

IC-A has 4,000 minutes of use
IC-B has 6,000 minutes of use
- The allocation ratio for EO-1 is 20%
- The minutes of use to be billed by EO-1 are

800 to IC-A (20% x 4,000)
<u>1,200</u> to IC-B (20% x 6,000)
2,000

(4) Shared Transport

Shared Transport refers to a rate application that is applicable only when the customer orders High Capacity Direct Trunked Transport between a serving wire center and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Direct Trunked Transport and Tandem Switched Transport. When the same customer also orders Special Access Service to be provided over this same high capacity facility, this service is considered to be Mixed Use and the regulations set forth in 7.2.7 following must first be applied to separate the portion to be charged as Switched Access Service from the portion to be charged as Special Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

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

(C) Application of Rates (Cont'd)

(4) Shared Transport (Cont'd)

Except as noted previously, the Switched Access Service will be ordered, provided and rated as Direct Trunked Transport (i.e., Direct Trunked Facility and Direct Trunked Termination). As each derived channel is activated for Tandem Switched Transport, the High Capacity Direct Trunked Transport, the High Capacity Direct Trunked Transport and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a High Capacity DS1 service, 1/672nd for a High Capacity DS3 service, etc.). Tandem Switched Transport rates and charges, as set forth in the Rate Sections, beginning in Section 16, following, will apply for each channel that is used to provide the Tandem Switched Transport.

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6.4.2 Minimum Monthly Charge

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

For usage rated Local Transport, Local Switching and Information Surcharge rate elements, the minimum monthly charge is the sum of the recurring charges as set forth in the Rate Sections, beginning in Section 16, following for either the actual measured usage or the assumed usage prorated to the number of days or major fraction of days based on a 30-day month.

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For flat rated Local Transport rate elements, the minimum monthly charges is the sum of the recurring charges set forth in the Rate Sections, beginning in Section 16, following prorated to the number of days or major fraction of days on a 30-day month.

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6.4.3 Change of Switched Access Service Arrangements

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.

6.4.4 Moves

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

- The point of termination at the customer designated premises
- The customer designated 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.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.4 Moves (Cont'd)(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 installation nonrecurring charge for the capacity affected. This charge is in addition to the Access Order Charge as specified in the Rate Sections, beginning in Section 16, following. There will be no change in the minimum period requirements.

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(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.

6.4.5 Local Information Delivery Service

Calls over Switched Access Service in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in the Rate Sections, beginning in Section 16, following.

T

6.4.6 Mileage Measurement

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

ACCESS SERVICE

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

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

Mileage rates are as set forth in the Rate Sections, beginning in Section 16, following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate. Exceptions to the mileage measurement rules are as follows:

(A) Feature Group A - Originating Usage

Direct Trunked Transport Mileage for premium rated access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinate method. The mileage measurement will be between the first point of switching (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.

(B) Feature Group A - Terminating Usage

The Local Transport mileage for terminating Feature Group A Switched Access Service will be measured in two segments. Direct Trunked Transport mileage will be measured between the customer's serving wire center and the first point of switching (i.e., the end office switch where the Feature Group A switching dial tone is provided). Tandem Switched Transport mileage will be measured between the first point of switching and the terminating end office.

(C) Feature Groups B and D - Alternate Traffic Routing

When the Alternate Traffic Routing optional feature is provided with Feature Group B or D, the Local Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such Apportionment will be made using: (1) actual minutes of use if available, (2) standard Company traffic engineering methodology and will be based on the last trunk CBS desired for the high usage group, as described in 6.8.1(I) following (Alternate Traffic Routing), when the feature is provided at an end office switch, or the subtending end offices when the feature is provided at an access tandem switch or (3) an apportionment mutually agreed to by the Company and the customer. This apportionment will serve as the basis for Local Transport calculation.

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

The Local Transport Facility for Feature Groups A, B, and D Switched Access Service connected with Special Access Service at a WATS Serving Office will be measured between the WATS Serving Office and the serving wire center for the customer designated premises.

(E) Feature Groups B and D - MSTOs Directly Interconnected to Access Tandems

The Local Transport mileage for Feature Groups B and D Switched Access Services provided to Mobile Telephone Switching Offices (MTSOs) directly interconnected to a Company access tandem office will be determined on an airline basis, using the V&H coordinate method. The mileage will be measured between the customer's serving wire center and the Company access tandem office to which the MTSO is interconnected.

(F) Feature Groups B and D - Remote Offices

The Local Transport mileage for Feature Groups B and D Switched Access Service provided to a Remote Office will be measured in multiple segments. When the facility is directly trunked to the Host Office, Direct Trunked Facility mileage will be measured between the customer's serving wire center and the Host Office, and Tandem Switched Facility mileage will be measured between the Host Office and the Remote Office, The Tandem Switching charge will not apply.

When the facility is directly trunked to a tandem, Direct Trunked Facility will be measured from the Serving Wire Center to the tandem, Tandem Switched Facility will be measured from the tandem to the host, and another segment of Tandem Switched Facility will be measured from the host to the remote. A Tandem Switching charge would be applicable at the tandem.

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

(G) Use of Company Hubs

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

ACCESS SERVICE6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.7 Mixed Use

Mixed use occurs when Switched Access Service and Special Access Service are provided over the same High Capacity service through a common interface. The regulations governing the provision of Mixed Use Facilities are set forth in 5.2.4 preceding and 7.2.7 following.

6.4.8 Message Unit Credit for Feature Group A

Calls from end users to the seven-digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Company's local and/or general exchange service tariffs. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Company.

6.4.9 Application of Rates for Feature Group A Extension Service

Feature Group A Switched Access Service is available with extension, i.e., additional terminations of the service at different customer designated premises. Feature Group A extensions within the same state as the dial tone office are provided and charged under this tariff. Feature Group A extensions located in a different state are provided and charged as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in the Rate Sections, beginning in Section 16, following will apply.

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6.5 Description and Provision of Feature Group A (FGA)6.5.1 Description

(A) FGA Access, which is available to all customers, provides line side access to Company end office switches with an associated seven digit local telephone number for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer - provided interstate communications capability. The customer must specify the Interexchange Carrier to which the FGA service is connected or, in the alternative, specify the means by which the FGA access communications is transported to

ACCESS SERVICE6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.1 Description (Cont'd)

(A) (Cont'd)

another state. Special Access Services utilized for connection with FGA at Company designated WATS Serving Offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGA Switched Access Service for the provision of WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.

(B) FGA Switching is provided at all end office switches. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling which are specified by the customer's order for service.

(C) FGA provides a line side termination at the first point of switching (dial tone office). the line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

(D) The Company shall select the first point of switching, at which the line side termination is to be provided unless the customer requests a different first point of switching and Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.

(E) A seven-digit local telephone number assigned by the Company is provided for access to FGA switching in the originating direction. The seven-digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven-digit telephone number that is not currently assigned, and the Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

(F) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.1 Description (Cont'd)

(G) No address signaling is provided by the Company when FGA switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

(H) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the Company's serving area, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Company, community information services of an information service provider, and other customer's services (by dialing the appropriate digits).

Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance calls, (2) calls to certain community information services, for which rates are applicable under Company exchange service tariffs, and (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer.

For calls to Directory Assistance, Local Transport rates for FGA Switched Access Service will apply. Additionally, calls to Directory Assistance are subject to the Directory Assistance Service Call rate set forth in the Rate Sections, beginning in Section 16, following. T

(I) When a FGA switching arrangement for an individual customer (a sling line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed as been disconnected.

(J) FGA will be provisioned over an Entrance Facility from the customer's premises to the customer's serving wire center. FGA service, when used in the originating direction, will be provisioned as Direct Trunked Transport from the first point of switching to the customer's serving wire center. FGA service, when used in the terminating direction, will be provisioned as Direct Trunked Transport from the customer's serving wire center to the first point of switching and provisioned as Tandem Switched Transport from the first point of switching to the terminating end office.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.2 Optional Features(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.8.1 following.

- (1) Call denial on line or hunt group
- (2) Service code denial on line or hunt group
- (3) Hunt group arrangement
- (4) Uniform call distribution arrangement
- (5) Nonhunting number for use with hunt group or uniform call distribution arrangement
- (6) Band advance arrangement for use with special access service utilized in the provision of WATS-type services
- (7) Hunt group arrangement for use with special access service utilized in the provision of WATS-type services
- (8) Uniform call distribution arrangement for use with special access service utilized in the provision of WATS-type services
- (9) Nonhunting number associated with a hunt group arrangement or uniform call distribution arrangement for use with special access service utilized in the provision of WATS-type services

(B) Transport Termination

- (1) Two-way operation with dial pulse address signaling and loop start signaling
- (2) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (3) Two-way operation with dial tone multifrequency address signaling and loop start supervisory signaling
- (4) Two-way operation with dial tone multifrequency address signaling and ground start supervisory signaling
- (5) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (6) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (7) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (8) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling

ACCESS SERVICE6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.2 Optional Features (Cont'd)(B) Transport Termination (Cont'd)

- (9) Originating operation with loop start supervisory signaling
- (10) Originating operation with ground start supervisory signaling

(C) Local Transport Options

- (1) Supervisory signaling (as set forth in 14.1.1(E) following)
- (2) Customer specified entry switch receive level (as set forth in 14.1.1(E) following)

6.5.3 Optional Features Provided in GCI Local Tariff

Certain other features which may be available in connection with Feature Group A (e.g., Speed Calling, Remote Call Forwarding, Bill Number Screening) are provided under the Company's local and/or general exchange service tariffs.

6.5.4 Measuring Access Minutes

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

For terminating calls over FGA and for originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers), the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), chargeable originating access minutes are derived from recorded minutes.

For originating calls over FGA, usage measurement begins when the originating FGA first point of switching receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers, or forwarded by the customer's equipment when the called party answers.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.4 Measuring Access Minutes (Cont'd)

The measurement of originating call usage over FGA ends when the originating FGA first point of switching 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 first point of switching.

For terminating calls over FGA, usage measurement begins when the terminating FGA first point of switching 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 first point of switching 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 first point of switching.

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.

6.5.5 Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven-digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing and Additional Manual Testing are available as set forth in 13.3.1 following.

ACCESS SERVICE6. Switched Access Service6.6 Description and Provision of Feature Group B (FGB)6.6.1 Description

(A) FGB access, which is available to all customers, provides trunk side access to Company end office switches with an associated uniform 950-1XXX or 950-0XXX access code. FGB trunk side access is provided for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer provided interstate communications capability. The customer must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communications is transported to another state. Special Access Services utilized for connection with FGB at Company designated WATS Serving Offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGB Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.

(B) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic end office switches.

(C) FGB 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-pulsing signals and answer and disconnect supervisory signaling.

(D) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth respectively in 6.8.1(F) and 6.8.2 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

(E) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-1XXX or 950-0XXX. A uniform access code(s) will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Company.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.1 Description (Cont'd)

(F) The Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is ordered. 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 Company.

(G) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the GCI Serving Area, time or weather announcement services of the Company, community information services of an information service provider and other customer's services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem will be accessed.

Calls in the terminating direction will not be completed to 950-1XXX or 950-0XXX access codes, local operator assistance, Directory Assistance, services codes 611 and 911 or 10XXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGB switching is combined with Directory Assistance (DA) switching. The combination of FGB Switched Access Service with DA service is provided as set forth in Section 9 following. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B and D.

(H) When all FGB switching arrangements are discontinued at an end office, 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.

(I) For FGB switched access service to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Company access tandem office, the customer will be billed only the Local Transport premium rate element for the FGB usage. The mileage used to determine the monthly rate for the Local Transport rate element is as set forth in 6.4.6(E) preceding.

6.6.2 Optional Features

Following are descriptions of the various nonchargeable optional features that are available in lieu of, or in addition to, the standard features provided with FGB. They are set forth in (A) through (C) following and are provided as Common Switching, Transport Termination and Local Transport options. Additionally, other optional features provided in local tariffs are set forth in (D) following.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.2 Optional Features (Cont'd)(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.8 following.

- (1) Automatic number identification (ANI)
- (2) Up to 7 digit outpulsing of access digits to customer
- (3) Band advance arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (4) Hunt group arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (5) Uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (6) Nonhunting number associated with hunt group arrangement or uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services

(B) Transport Termination Options

- (1) Rotary dial station signaling

(C) Local Transport Options

- (1) Customer specification of Local Transport Termination
- (2) Optional supervisory signaling
- (3) Customer specified entry switch receive level

Inasmuch as these options concern transmission levels and signaling, they are set forth in 14.1.1 following.

(D) Optional Features Provided in Local Tariffs

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

6.6.3 Design and Traffic Routing

For FGB, the trunk directionality and traffic routing of the Switched Access Service between the customer designated premises and the entry switch are determined by the customer's order for service. Additionally, the customer may order the optional feature Customer Specification of Local Transport Termination as set forth in 14.1.1 following.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.4 Measuring Access Minutes

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

For both originating and terminating calls over FGB the measured minutes are the chargeable access minutes.

For originating calls over FGB, usage measurement begins when the originating FGB first point of switching 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 first point of switching 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 first point of switching.

For terminating calls over FGB, usage measurement begins when the terminating FGB first point of switching 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 first point of switching 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 first point of switching.

FGB 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.

6.6.5 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 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing, and Additional Manual Testing are available as set forth in 13.3.1. following.

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By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD)6.7.1 Description

(A) FGD access, which is available to all customers, provides trunk side access to Company end office switches. Special Access Services utilized for connection with FGD at Company designated WATS Serving offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.

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

(C) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling.

(D) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

(E) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the Company serving area, time or weather announcement services of the 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 code served by end offices subtending the access tandem may be accessed.

Calls in the terminating direction will not be completed to 950-1XXX or 950-0XXX access codes, local operator assistance, Directory Assistance (411 and 555-1212), services codes 611 and 911 and 10XXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 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 Section 9 following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B or D.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD) (Cont'd)6.7.1 Description (Cont'd)

(F) The 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 or other switching arrangements may be combined in a single trunk group at the option of the Company.

(G) The access code for FGD switching is a uniform access code of the form 10XXX. A uniform access code(s) will be assigned number of all FGD access provided to the customer by the 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 13.4 following.

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

When the 10XXX 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 Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the customer designated premises.

(H) For FGD switched access service to a MTSO directly interconnected to a Company access tandem office, the customer will be billed only the Local Transport premium rate element for the FGD usage. The mileage used to determine the monthly rate for the local transport rate is as set forth in 6.4.6(E) preceding.

(I) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 10XXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 10XXX code calls will be directed for service.

(J) Unless prohibited by technical limitations, the customer's Interim NXX Translation and/or 800 Data Base traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-Interim NXX Translation traffic and/or 800 Data Base traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX Translation or 800 Data Base traffic.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD) (Cont'd)6.7.1 Description (Cont'd)

(K) 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 Company, the Company will 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. The Company may, with 90-day's written notice to the customer, discontinue this arrangement.

(L) For FGD switched access service to a MTSO directly interconnected to a Company access tandem office, the customer will be billed only the Local Transport premium rate element for the FGD usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.4.6(E) preceding.

6.7.2 Optional Features

Following are the various nonchargeable and chargeable optional features that are available in lieu of or in addition to the standard features provided with FGD. Nonchargeable Optional Features are provided as Common Switching, Transport Termination and Local Transport options as set forth in (A) through (B) following. Chargeable optional features are set forth in (C) following.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.8 following.

- (1) Automatic Number Identification (ANI)
- (2) Service class routing
- (3) Alternate Traffic routing
- (4) Trunk access limitation
- (5) Call gapping arrangement
- (6) International carrier option
- (7) Band advance arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (8) End office end user line service screening for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (9) Hunt group arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (10) Uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD) (Cont'd)6.7.2 Optional Features (Cont'd)(A) Common Switching Options (Cont'd)

- (11) Nonhunting number associated with hunt group arrangement for uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services
- (12) Digital Switched 56 Service

(B) Local Transport Options

- (1) Supervisory Signaling: The Supervisory Signaling optional feature due to its technical nature is set forth in 14.1.1 following.
- (2) Signaling System 7 (SS7): The SS7 optional feature allows the customer to send and receive signals for out of band call set up and is available with FGD. This option requires the establishment of a signaling connection between the customer's designated premises/Signaling Point Interface and a Company Signaling Transfer Point (STP). SS7 is provided in both the originating and terminating direction on FGD, and each signaling connection is provisioned for two-way SS7 signaling information.
- (3) Multifrequency address signaling
- (4) Calling party number (CPN) parameter
- (5) Charge number parameter (CNP)
- (6) Carrier selection parameter (CSP)

(C) Chargeable Optional Features

- (1) Interim 900 NXX Translation: The Interim 900 NXX Translation optional feature is set forth in 6.8.2 following.
- (2) Common Channel Signaling/Signaling System 7 (CBS/SS7) Network Connection Service (CCSNC): The CCSNC optional feature is provided as set forth in 6.8.3 following.

6.7.3 Design and Traffic Routing

For FGD, the Company shall design and determine the routing of Tandem Switched Access Transport Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices. The Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD) (Cont'd)6.7.3 Design and Traffic Routing (Cont'd)

For FGD Direct Trunked Transport service, the Company will determine the routing of switched access service from the point of interface to the first point of switching or, if the customer specifies one or more hub locations for multiplexing, from the point of interface to the hub location, from one hub location to another hub location, and/or from a hub location to the first point of switching.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment and actual traffic patterns.

6.7.4 Measuring Access Minutes

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

Originating Usage

For originating calls over FGD, the measured minutes are the chargeable access minutes. For those calls provided with Multifrequency Signaling, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the customer's point of termination. For those calls provided with SS7 Signaling when the FGD end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Signal Transfer Point (STP). If the FGD end office is routed through a tandem for connection to the customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGD provided with Multifrequency Signaling ends when the originating FGD first point of switching 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 first point of switching.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group D (FGD) (Cont'd)6.7.4 Measuring Access Minutes (Cont'd)Terminating Usage

For terminating calls over FGD, the chargeable access minutes are either measured or derived.

For terminating calls over FGD provided with Multifrequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching 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 first point of switching.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating user. The Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

6.7.5 Design Blocking Probability

The Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (A) and (B) following.

(A) For FGD, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated 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 as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

(B) The Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the 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 threshold listed in the following tables.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.7.5 Design Blocking Probability (Cont'd)

(B) (Cont'd)

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

<u>Number of Transmission Paths Per Trunk Group</u>	<u>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 am and 11:00 pm Per Trunk Group</u>			
	15-20	11-14	7-10	3-6
	measurement	measurement	measurement	measuremen
2	7%	8%	9%	14%
3	5%	6%	7%	9%
4	5%	6%	7%	8%
5-6	4%	5%	6%	7%
7 or more	3%	3.5%	4%	6%

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

<u>Number of Transmission Paths Per Trunk Group</u>	<u>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 am and 11:00 pm Per Trunk Group</u>			
	15-20	11-14	7-10	3-6
	measurement	measurement	measurement	measuremen
2	4.5%	5.5%	6%	9.5%
3	3.5%	4%	4.5%	6%
4	3.5%	4%	4.5%	5.5%
5-6	2.5%	3.5%	4%	4.5%
7 or more	2%	2.5%	3%	4%

By: Cynthia L. Lynch
 Tariffs & Licenses Manager
 GCI Communication Corp.
 2550 Denali Street, Suite 1000
 Anchorage, Alaska 99503

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.7.6 Network Blocking Charge

The customer will be notified by the Company to increase its capacity quantities of trunks when excessive trunk group blocking occurs on groups carrying FGD traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30-day period excluding Saturdays, Sundays and national holidays. If the order for additional capacity has not been received by the Company within 15 days of the notification, the Company will bill the customer, at the rate set forth in the Rate Sections, beginning in Section 16, following, for each overflow in excess of the blocking threshold when (1) the average "30-day period" overflow exceeds the threshold level for any particular hour and (2) the "30-day period" measured average originating or two-way usage for the same clock hour exceeds the capacity purchased.

T

Blocking Thresholds

<u>Trunks in Service</u>	<u>1%</u>	<u>1.2%</u>
1 - 2	7.0%	4.5%
3 - 4	5.0%	3.5%
5 - 6	4.0%	2.5%
7 or greater	3.0%	2.0%

The 1% blocking threshold is for transmission paths carrying traffic directly (without an alternate route) between an end office and a customer's premise. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem.

6.7.7 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 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing, and Additional Manual Testing are available as set forth in 13.3.1. following.

when SS7 Signaling is ordered, network compatibility and other testing will be performed cooperatively by the Company and the customer as specified in Technical Reference TR-TSV 000905.

By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Chargeable and Nonchargeable Optional Features

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 Common Switching, Transport Termination or Interim 900 NXX Translation options.

6.8.1 Common Switching Nonchargeable Optional Features

The following table shows the Feature Groups with which the optional features are available.

<u>Option</u>	<u>Available Feature Groups</u>		
	<u>A</u>	<u>B</u>	<u>D</u>
(A) Call denial on line or hunt group	X		
(B) Service code denial on line or hunt group	X		
(C) Hunt group arrangement	X		
(D) Uniform call distribution arrangement	X		
(E) Nonhunting number for use with hunt group or uniform call distribution arrangement	X		
(F) Automatic Number Identification (ANI)		X	X
(G) Up to 7-digit outpulsing of access digits to customer		X	
(H) Service class routing			X
(I) Alternate traffic routing			X
(J) Trunk access limitation			X
(K) Call gapping arrangement			X
(L) International carrier option			X
(M) Band advance arrangement for use with Special Access Service utilized in the provision of WATS and WATS-type services	X	X	X
(N) End office end user line service screening for use with Special Access Service utilized in the provision of WATS or WATS-type services			X
(O) Hunt group arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services	X	X	X
(P) Uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services	X	X	X
(Q) Nonhunting number associated with hunt group arrangement or uniform call distribution arrangement for use with Special Access Service utilized in the provision of WATS or WATS-type services	X	X	X
(R) Digital Switched 56 Service			X

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By: Cynthia L. Lynch
 Tariffs & Licenses Manager
 GCI Communication Corp.
 2550 Denali Street, Suite 1000
 Anchorage, Alaska 99503

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Chargeable and Nonchargeable Optional Features (Cont'd)

6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)

<u>Option</u>	<u>Available Feature Groups</u>		
	<u>A</u>	<u>B</u>	<u>D</u>
(S) Multifrequency address signaling			X
(T) Signaling System 7 (SS7) Signaling			X
(U) Calling party number (CPN)			X
(V) Carrier selection parameter (CSP)			X
(W) Charge number parameter (CNP)			X

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating Feature Group A calls. There are two screening arrangements available with this option as follows: (1) limiting terminating calls for completion to only 411 or 555-1212 whichever is available, 611, 911, 800 and a Company specified set of NXXs within the Company local exchange calling area of the dial tone office in which the arrangement is provided or, (2) limiting terminating calls to completion to only the NXXs associated with all end offices in the Company's serving area, i.e., the call cannot be further switched or routed out of Company's serving area nor will calls be completed to 411 or 555-1212 whichever is available, 611, 911, or 800. All other calls are routed to a reorder tone or recorded announcement. Arrangement 1 is provided in all Company electronic end offices. Arrangement 2 is provided where available.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls, 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 Company end offices.

(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 Company end offices. All FGA access services in the same hunt group must provide off-hook supervisory signaling from the same point in time in the call sequence, i.e., all off-hook supervisory signals must either be provided by the customer's equipment before the called party answers or all must be forwarded by the customer's equipment when the called party answers.

By: Cynthia L. Lynch
 Tariffs & Licenses Manager
 GCI Communication Corp.
 2550 Denali Street, Suite 1000
 Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.1 Common Switching Nonchargeable Optional Features (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 Company electronic end offices only.

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

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

(F) Automatic Number Identification (ANI)

(1) This option provides the automatic transmission of a seven-digit or ten-digit number and information digits to the customer designated premises for originating calls to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with:

(a) all individual transmission paths in a trunk group routed directly between an end office and a customer designated premise.

(b) all individual transmission paths in a trunk group between an end office and an access tandem and a trunk group between an access tandem and a customer designated premise.

(2) The seven-digit ANI telephone number is available with FGB. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using FGB, or when an ANI failure has occurred. Seven-digit ANI is not available with SS7 Signaling.

(3) The ten-digit ANI telephone number is only available with FGD. The ten-digit ANI telephone number consists of the Number Plan Area (NPA) plus the seven-digit ANI telephone number. The ten-digit ANI telephone number will be transmitted on all calls except in case of ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described following). Ten-digit ANI is provided with multifrequency address signaling or SS7 Signaling.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

(4) Additional ANI information digits are available with FGD also. They include:

- (a) Company serving area restricted - telephone number is identified line.
- (b) Company serving area restricted - hotel/motel line
- (c) Company serving area restricted - coinless, hospital, inmate, etc., line

These information digits will be transmitted as agreed to by the customer and the Company.

(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 (950-1/0XXX) to the customer designated 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 designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided.

(H) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premise, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+, or 011+) or Service Access Code (e.g., 900). It is provided in suitably equipped end office or access tandem switches.

(I) Alternate Traffic Routing

When the customer orders both Direct Trunked Transport and Tandem Switched Transport at the same end office, 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

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)(I) Alternate Traffic Routing (Cont'd)

group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CBS desired for the high usage group. It is provided in suitably equipped end office or access tandem switch.

(J) 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 Company electronic end offices.

(K) 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 the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., choked calls, would be routed to a no-circuit announcement. It is provided in selected FGD equipped end offices.

(L) International Carrier Option

This option allows for FGD end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the customer (i.e., the Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 10XXX dialing). This arrangement requires provision of written verification to the Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the international carrier. This option is only provided at Company end offices or access tandems equipped for International Direct Distance Dialing.

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)(M) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to a second Special Access Service group, when the first group has exceeded its call capacity.

(N) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

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 Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Company electronic end offices which are designated as WATS Serving Offices.

(O) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS services (e.g., 800 Service Special Access services) in the terminating direction when the hunting number of the Special Access Service group is forwarded from the customer to the Company. This feature is provided in all Company designated WATS Serving Offices.

(P) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type services in the hunt group. Where available, this feature is only provided in Company designated WATS Serving Offices.

(Q) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides an arrangement for an individual Special Access Service utilized in the provision of WATS or WATS-type services within a multiline hunt or uniform call distribution group that provides access to that Special Access Service within the

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)(Q) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services (Cont'd)

hunt or uniform call distribution group when it is idle or nonhunting number is dialed without hunting to the next idle number. Where available, this feature is only provided in Company designated WATS Serving Offices.

(R) Digital Switched 56 Service

This option provides for a connection between a customer's premises and a suitably equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned FGD office as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC No. 4.

(S) Multifrequency Address Signaling

This feature 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.

(T) Signaling System 7 (SS7) Signaling

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the customer's designated premises. The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Interconnection Service as specified in 6.1.3(A)(3) preceding. This feature will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference TR-TSV-000905.

(U) Calling Party Number (CPN)

This feature provides for the automatic transmission of the ten-digit directly number associated with a calling station to the customer's premises for calls originating in Company serving area. The ten-digit telephone number will be coded as presented or

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Chargeable and Nonchargeable Optional Features (Cont'd)

6.8.1 Common Switching Nonchargeable Optional Features (Cont'd)

(U) Calling Party Number (CPN) (Cont'd)

restricted via a "privacy indicator" for delivery to the called end user. This feature is provided with originating FGD with SS7 signaling. CPN is available where technically feasible.

(V) Carrier Selection Parameter (CSP)

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 10XXX. This feature is provided with originating FGD with SS7 signaling.

(W) Charge Number Parameter (CN)

The CN Parameter is equivalent to the existing ten-digit Automatic Number Identification (ANI) available with FGD with MF signaling. The CN Parameter provides for the automatic transmission of the ten-digit billing number of the calling station and the originating line information. This feature is provided with originating FGD with SS7 signaling.

6.8.2 Chargeable Optional Features

Interim 900 NXX Translation

This service is an originating offering utilizing trunk side Switched Access Service and provides a customer identification function based on the dialed SAC and NXX code.

For example, when an 1+900+NXX-XXXX call is originated by an end user, the Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. Once customer identification has been established, the call will be routed to that customer. Calls originating from an end office switch as which the customer identification function is performed, but to which the customer has not ordered Interim 900 NXX Translation, will be blocked. Calls to a 900 number from coin telephones, 0+, 0-, 10XXX, Inmate Service, Hotel/Motel Service and calling card calls will be blocked.

The charge for Interim 900 NXX Translation is as set forth in the Rate Sections, beginning in Section 16, following.

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By: Cynthia L. Lynch
Tariffs & Licenses Manager
GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, Alaska 99503

ACCESS SERVICE6. Switched Access Service (Cont'd)6.8 Chargeable and Nonchargeable Optional Features (Cont'd)6.8.3 Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC), which is available with FGD where technically feasible as designated in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF FCC No. 4, provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides customers with the use of a two-way signaling path for accessing information necessary for the completion of their end user's calls.

CCS/SS7 Network Connection Service is comprised of two rate elements; a Signaling Network Access Link (SNAL) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 Kbps out-of-band signaling connection between the customer's SPOI and the STP port on the STP.

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

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

Rates and charges for the CCS/SS7 Network Connection STP Ports and Signaling Network Access Links are contained in the Rate Sections, beginning in Section 16, following.

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6.8.4 800 Data Base Access Service

800 Data Base Access Service is provided with FGD Switched Access Service. When a 1+800+NXX-XXXX call is originated by an end user, the Company will utilize the SS7 network to query an 800 data base to perform the identification function. The call will then be routed to the identified customer over FGD switched access.

The manner in which 800 Data Base Access Service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following:

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Chargeable and Nonchargeable Optional Features (Cont'd)

6.8.4 800 Data Base Access Service (Cont'd)

- When 800 Data Base Access Service originates at an end office equipped with Service Switching Point (SSP) capability for query centralized data base, all such service will be provided from that end office.
- When 800 Data Base Access Service originates at an end office not equipped with SSP customer identification capability, the 800 call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.
- Query charges as set forth in the Rate Sections, beginning in Section 16, following are in addition to those charges applicable for the FGD Switched Access Service.