

Issued: October 10, 2001

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS

Sections 5.1 through 5.11 contains terms, conditions and rates applicable to Special Access Service for Iowa Telecom, i.e., exchange areas listed in Section 1.1.1, above. Sections 5.12 through 5.12.13 contains terms, conditions and rates applicable to Special Access Service in Iowa Telecom Systems, i.e., exchange areas listed in Section 1.1.2, above.

5.1 General Regulations for Iowa Telecom

Special Access provides a transmission path to connect CLs* within a LATA for Interstate Telecommunications. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed, and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access Service as well as may be connected to Switched Access as set forth in Section 4.

The provision of Switched Access and Special Access in combination is normally for, but not limited to, the use of WATS or WATS-type Access. When Special Access is connected to Switched Access, the terms, conditions and rates for the facilities between the end user's CL and the WATS Serving Office are as set forth in this section of the tariff; the terms, conditions and rates for the facilities between the WATS Serving Office and the IC's CL, as well as the switching functionalities (e.g., end user access codes, screening) are as set forth in Section 4 of this tariff.

Special Access can be provided in either analog or digital format. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access (e.g., Voiceband, Digital Data Service) provided are described in 5.2 following.

5.1.1 Rate Elements

With the exception of Temporary Videoband Service, there are six basic rate elements which apply to Special Access Service:

- Special Transport (described in 5.1.1(B) following)
- Special Transport Termination (described in 5.1.1(G) following)
- Special Access Line (described in 5.1.1(C) following)
- Supplemental Features (described in 5.4 following)
- Multiplexing Arrangements (described in 5.5 following)

The following is a list of the Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

<u>Generic Name</u>	<u>Iowa Telecom Name</u>
Access to Clear Channel Transmission	Clear Channel Capability
Automatic Protection Switching	Automatic Protection Switching
Bridging	Bridging
Conditioning	Conditioning
Data Over Voice (DOV) Service	DOV Connect
Secondary Channel Capability	Digital Data Service - Secondary Channel
Multiplexing - Digital 2000	Multiplexing Arrangements

(A) (Reserved for Future Use)

* Telephone Company Centrex CO-like switches are considered to be CLs for the purposes of this tariff.

(This page filed under Transmittal No. 13)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.1 Rate Elements (Cont'd)

(B) Special Transport

- (1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CLs, between a serving wire center associated with an end user's CL and a WATS (T) Serving Office, between a serving wire center associated with a CL and a (T) Telephone Company Hub Wire Center or between two Telephone Company Hub (T) Wire Centers.

The Special Transport element is distance sensitive and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes for Special Access is specified in 2.7 preceding.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.1 Rate Elements (Cont'd)

(B) Special Transport (Cont'd)

- (2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as set forth in 4.2.5(V). Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CL where WATS Serving Office functions are not available and the WATS Serving Office. (T)

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CL, the Telephone Company will designate the wire center where the WATS Serving Office functions are available. (T)

(C) Special Access Line (SAL)

- (1) A Special Access Line provides the transmission facilities to a Customer Location (CL) or the facilities between a CL and the serving wire center. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.). (T)

When a Voiceband Special Access service is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital CL which requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface and assess the customer a Voiceband SAL, for the facility between the all-digital CL and its serving wire center. All other appropriate charges apply in addition to the Voiceband SAL. (T)

SAL rates for DS3 offerings vary with the level of capacity, number of services and whether the interface provided is electrical or optical.

Installation of E1/DS1/DS3 SALs is as set forth in 5.6.1(E)(3). The applicable rates are the nonrecurring charge and monthly rate set forth per E1/DS1/DS3 SAL installed.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL) (Cont'd)

(1) (Cont'd)

The selection of a Terminating Option, as defined in 5.3, is required for terminating the network portion of a Special Access Line at a CL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access. For DS3/DS3C Special Access, the customer may specify either an electrical or optical interface as set forth in 3.1.1(F). (T)

E1 service is provided only with an electrical interface, and is subject to the availability of suitable fiber optic facilities between the CL and the serving wire center. (T)

One Special Access Line charge applies per CL at which the facility is terminated. This charge applies even if the facilities to the CL do not transit a serving wire center; this charge also applies if the CL and the serving wire center are co-located in a Telephone Company building. The Special Access Line charge used with a Switching Interface, as set forth in (2) below, is applicable only for the transmission facilities between the end user's CL and the serving wire center of that location. (T)

- (2) A Special Access Line may be provided in conjunction with FGA, FGB, FGD, BSA-A, BSA-B, and BSA-D Switched Access Service for the purpose of Originating Only, Terminating Only or Combined Originating and Terminating Access as set forth in 4.2.1 and 4.2.2. A Switching Interface is required for the provision of this service as set forth in 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office Special Transport is applicable as set forth in 5.1.1(B) to the nearest Telephone Company WATS Serving Office. (T)

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as set forth in Section 4.2.5(V).

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.
- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided at the option of the customer with transmission specifications as described in Section 7000 of the GTE Technical Interface Reference Manual.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

A customer may also order high capacity facilities from an end user's CL (T) to a Telephone Company Hub for the purpose of originating or terminating Special Access Lines used with a Switching Interface. High capacity to voice multiplexing will be required at the Hub. The customer will be required to submit an ASR for the high capacity facility and voice multiplexing. The customer will also be required to submit an ASR(s) for the individual Voiceband SALs specifying the channel facility assignment (CFA) for each service. This Hub may or may not be a WATS Serving Office. In those instances when the Hub is not a WATS Serving Office, Voiceband Special Transport is applicable as set forth in 5.1.1(B), for each individual Special Access Line used with a Switching Interface to the Telephone Company designated WATS Serving Office.

(D) (Reserved for Future Use)

(E) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CL, it will be provided for as a single rate element. (T)

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 5.4, and rates are set forth in 5.7.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom(Cont'd)

5.1.1 Rate Elements (Cont'd)

(F) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangements are provided in 5.5 following, and rates are set forth in 5.7 following.

(G) Special Transport Termination

(1) DS1, E1 and DS3 Service

The Special Transport Termination rate element as set forth in 5.7, applies only to DS1, E1, Individual DS3 and System DS3 offerings and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for E1, DS1 and DS3 (Individual and Systems) offerings.

(2) (Reserved For Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access Services are provided - two-point and multipoint.

(A) Two-point Service

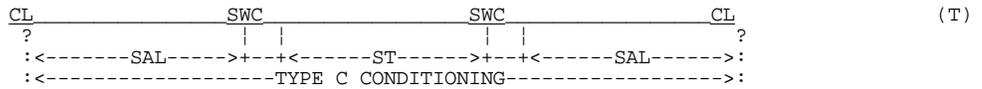
A two-point configuration is a circuit which is provided to connect two CLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed, or a CL and a WATS Serving Office. (T)

All Special Access offerings may be provided as a two-point configuration. (T)

With the exception of Temporary Videoband Service, applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

The following diagram depicts a typical two-point service connecting two CLs. The service is provided with the supplemental feature of Type C Conditioning: (T)



SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CL - Customer Location (T)

- Applicable rate elements are:
- Special Access Line (2 applicable)
 - Special Transport (per airline mile between SWCs)
 - Supplemental Feature of Type C Conditioning (2 applicable)

In addition, a Special Access Surcharge, as set forth in 5.6.9 following, and a Message Station Equipment Recovery Charge, as set forth in 5.6.10 following may be applicable.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable rate elements are:

- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

In addition, the Special Access Surcharge, as set forth in 5.6.9 following, and the Message Station Equipment Recovery Charge, as set forth in 5.6.10 may be applicable.

5.1.3 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 9 following.

5.1.4 Design Layout Report

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.
Makeup (e.g., T-Carrier, two-wire, four-wire, etc.)
Specific pair of circuit assignment at the customer location.

(T)

The Design Layout Report will be provided to the customer within fourteen working days from the ASR Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

5.1.5 Acceptance Testing

At the time of installation, the following test parameters apply:

- (A) For Voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the LATA.

On four-wire and effective four-wire circuits where the Network Channel Terminating Equipment (NCTE) has the capability of being remotely aligned, the Telephone Company may perform acceptance testing without a Telephone Company technician at the customer's premise. Should the customer request a technician be present at the customer's premise, additional charges will apply as set forth in Section 6.2(C). The applicable rates are in Section 6.2(G).

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.5 Acceptance Testing (Cont'd)

(A) (Cont'd)

If the NCTE at the customer's premise does not have the capability of being aligned remotely, the additional charges will not apply. The Telephone Company will determine the type of NCTE placed at a customer's premise.

- (B) For other analog services (i.e., Program Audio, Video, Wideband Analog and Wideband Data Services) and for digital services (i.e., Digital Data Services and High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the GTE Technical Interface Reference Manual for each of these services.

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in 6.6 (B) following will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 15 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in 6.2 following, unless the delay is caused by the Telephone Company.

5.1.6 Ordering Conditions

Ordering conditions are set forth in detail in Section 3 preceding. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(A) Determination of Jurisdiction of Mixed Use Special Access Lines

When mixed interstate and intrastate Special Access Service is ordered, the jurisdiction will be determined as follows:

1. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes 10% or less of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of the appropriate intrastate tariff.
2. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes more than 10% of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of this tariff.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General Regulations For Iowa Telecom (Cont'd)

5.1.6 Ordering Conditions (Cont'd)

(A) Determination of Jurisdiction of Mixed Use Special Access Lines (Cont'd)

(D)
(D)
(D)
(D)
(D)
(D)

(B) Special Access Jurisdictional Verification

If a billing dispute arises or a regulatory commission questions the customer's certification of the jurisdiction of the line the Telephone Company may ask the customer to provide the data used to determine the jurisdiction. The customer shall supply the data within 30 days of the Telephone Company's request. Such a request for data is not a condition precedent to and does not affect the Telephone Company's right to obtain the resolution of a billing dispute involving the customer's projected PIU. The customer shall keep records of system design and functions from which the jurisdiction can be ascertained and upon request of the Telephone Company make the records available for inspection as reasonably necessary for purposes of verification of the jurisdiction of the service.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access

There are seven generic types of Special Access offerings. They are:

- Voiceband
- Program Audio
- Videoband
- Wideband Analog
- Wideband Data *
- High Capacity Digital
- Digital Data Service

Each type has its own characteristics, and are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the GTE Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in Section 5.9 and will apply in addition to all other applicable rates and charges.

The customer also has the option of ordering Voiceband and analog and digital high capacity facilities to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 5.5. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4.

For example, a customer may order a DS3 from a CL to a Telephone Company Hub for (T) multiplexing to 28 DS1 channels. The DS1 channels may be further multiplexed at the same or a different Hub to Voiceband channels or may be extended to other CLs. Optional (T) features may be added to either the DS1 or the Voiceband channels.

* Limited to those offerings of the Telephone Company's predecessor GTE Telephone Operating companies in service as of December 29, 1991.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access for Iowa Telecom

5.2.1 Voiceband

(A) Two-Wire Voiceband Facility (USOC - XDM++, XDN++; XDV++)

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voiceband Facility (USOC - XDN++, XDV++)

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access for Iowa Telecom (Cont'd)

5.2.2 (Reserved for Future Use)

5.2.3 Program Audio

These facilities are arranged and provided for the transmission of audio to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days, it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz (USOC - XDP1D; XDP1M)

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz (USOC - XDP2D; XDP2M)

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz (USOC - XDP3D; XDP3M)

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz (USOC - XDP4D; XDP4M)

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

5.2.4 Videoband (USOC - XDT1D; XDT1M)

These facilities are arranged and provided for the transmission of television to be broadcast or used in connection with viewing, recording, managing or editing of moving pictures or video frames of information.

Video Type I facilities are furnished for two point transmission in one direction only and Video Type II facilities are furnished for two-point or multipoint unidirectional or bidirectional transmission of United States 525 line/60 field standard monochrome and National Television Systems Committee (NTSC) color television baseband video signals and the associated audio signals.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access for Iowa Telecom (Cont'd)

5.2.4 Videoband (USOC - XDT1D; XDT1M) (Cont'd)

There are two categories of Videoband Services, Type I and Type II/VideoConnect?.

(A) Videoband Services - Type I

Videoband Services - Type I are provided on a full-time or part-time (temporary) basis. The minimum periods are set forth in 3.2.4 and 3.2.5 preceding. The monthly rates and nonrecurring charges for full-time Videoband Service - Type I will be developed on an Individual Case Basis. The hourly rates and nonrecurring charges for temporary service are those set forth in Section 5.7.4(A).

There is a maximum monthly charge that may be assessed to any temporary Videoband Service - Type I, as described in Section 5.6.1(C).

Technician Standby is a nonoptional arrangement furnished only in conjunction with temporary Videoband Service - Type I. Technician Standby provides for Telephone Company monitoring of the temporary video broadcast to ensure satisfactory transmission. The Telephone Company will determine the location of the video technician. At the option of the customer, additional technicians will be made available during the temporary Videoband - Type I broadcast; the customer will be assessed the Technician Standby charge, as set forth in Section 5.7.4(A), for each additional technician.

A customer may request (as an option) an active, alternate temporary Type I Videoband transmission path for use in the event that the primary service becomes inoperative. This is referred to as a "hot standby" facility. The charge for this additional service will be the nonrecurring charges and hourly rates set forth in Section 5.7.4(A) for Temporary Videoband - Type I Facilities. Technician Standby charges are not applicable to the "hot standby" facility.

(B) (Reserved For Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access for Iowa Telecom (Cont'd)

5.2.5 Wideband Analog (USOC - XDW++)

These facilities are two-point and are furnished between CLs or between a CL and a (T) Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of Wideband Analog facilities are:

- (A) Group band facilities with a bandwidth from 60 kHz to 108 kHz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.
- (B) Supergroup band facilities with a bandwidth from 312 kHz to 552 kHz for the transmission of a 60 circuit FDM supergroup.
- (C) Mastergroup band facilities with a bandwidth from 564 kHz to 3084 kHz for the transmission of a 600 circuit FDM mastergroup.

5.2.6 Wideband Data Service (USOC - XDL++) *

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two CLs. These facilities are (T) normally utilized for the following data speeds: 19.2 Kbps, 50 Kbps, 56 Kbps and 230.4 Kbps.

5.2.7 High Capacity Digital (USOC - XDH++)

These facilities are two-point and are furnished between CLs or between a CL and a (T) Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center.

- (A) DS1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 1.544 Mbps.
- (B) DS1C facilities provide for the transmission of isochronous bipolar serial data at a rate of 3.152 Mbps.
- (C) (Reserved For Future Use)

* Limited to those services provided to Customers by the Telephone Company's predecessor GTE Telephone Operating Companies and so equipped and in service as of December 29, 1991.

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access For Iowa Telecom (Cont'd)

5.2.7 High Capacity Digital (USOC - XDH++) (Cont'd)

(D) (Reserved For Future Use)

(E) DS3 facilities provide for the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The Telephone Company will provide either an interface with Telephone Company electronics (electrical) or without Telephone Company electronics (optical) at the option of the customer. Ordering conditions are set forth in 3.1.1(F).

(F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface. Ordering conditions are set forth in 3.1.1(F).

(G) E1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 2.048 Mbps. E1 facilities are only provided with an electrical interface.

5.2.8 (Reserved For Future Use)

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access For Iowa Telecom (Cont'd)

5.2.9 Digital Data Service (USOC - XDD++)

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

5.2.10 Miscellaneous Special Access Services

A description of each service provided under Miscellaneous Special Access Services, along with the rates is set forth in 5.8 following. Other Special Access rate elements may apply in addition to those found in 5.8.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options for Iowa Telecom

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable. (T)

5.3.1 Narrowband

(A) 0 to 75 Baud Type 1

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband network facilities suitable for voice grade to narrowband multiplexing. This terminating option is obsolete and is limited to those circuits provided by the Telephone Company's predecessor GTE Telephone Operating Company and so equipped and in service as of November 3, 1990.

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over special transport facilities. This terminating option is obsolete and is limited to those circuits provided by the Telephone Company's predecessor GTE Telephone Operating Company and so equipped and in service as of November 3, 1990.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling transmission over two-wire or four-wire voiceband facilities. This terminating option is obsolete and is limited to those circuits provided by the Telephone Company's predecessor GTE Telephone Operating Company and so equipped and in service as of November 3, 1990.

5.3.2 Voice Grade

(A) Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options for Iowa Telecom (Cont'd)

5.3.2 Voice Grade (Cont'd)

(C) Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voiceband data transmission.

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CL. Type 2 is an option with no range extension equipment at the CL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see Section 5.4.4 following for available arrangements.

(T)
(T)

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

- (1) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options for Iowa Telecom (Cont'd)

5.3.2 Voice Grade (Cont'd)

(G) Dial Repeating Tie Trunk Termination (Cont'd)

(2) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M signaling with the facility.

5.3.3 Program Audio

(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

5.3.4 Videoband

Standard Videoband service is provided via one signal (combined video and audio). It includes a one-way or two way transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one or two associated 15 kHz audio signals.

5.3.5 Wideband Data Service *

(A) Provides a Wideband Data Service Special Access interface for use in providing two-way transmission of sequential synchronous or nonsynchronous data at rates of 19.2, 50 or 230.4 kbps; or sequential synchronous bipolar data signals at a rate of 56 kbps over four-wire facilities.

(B) (Reserved for Future Use)

* Limited to those services provided by the Telephone Company's predecessor GTE Telephone Operating Company and so equipped and in service as of December 29, 1991.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options for Iowa Telecom (Cont'd)

5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

(C) (Reserved For Future Use)

(D) (Reserved For Future Use)

(E) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide either an interface with Telephone Company electronics (electrical) or an interface without Telephone Company electronics (optical) as specified by the customer. EIS is not available with DS3 services provided with an optical interface. Ordering conditions are set forth in 3.1.1(F).

(F) High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface. Ordering conditions are set forth in 3.1.1(F).

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options for Iowa Telecom (Cont'd)

5.3.6 High Capacity Digital (Cont'd)

(G) High Capacity Digital E1

Provides a High Capacity Digital E1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 2.048 Mbps and is only provided with an electrical interface. Before confirming the ASR for E1 service, the Telephone Company will verify the availability of fiber optic facilities at the CL. Where (T) suitable fiber optic facilities do not exist, customers may request the Telephone Company to provide such facilities in accordance with the Special Construction provisions in Section 10 of this tariff.

5.3.7 Digital Data Service (DDS)

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps over four-wire facilities.

5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

5.4.1 Bridging

Bridging is the function of connecting three or more CLs in a multipoint (T) arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging (USOC - B5NDJ)

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.1 Bridging (Cont'd)

(B) Voice Conference Bridging (USOC - B5NVJ)

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging (USOC - BCNTA)

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging (USOC - BCNPT)

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

(E) DDS Bridging (USOC - BCNDA)

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, 19.2 kbps, 56 or 64 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.2 Conditioning Arrangements - Data

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CLs located within the Telephone Company serving area. Conditioning (T) parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CL to either the point of interface (T) at another CL or the first Telephone Company bridging point depending on the (T) circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

(A) Type C (USOC - X1CPT)

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Attenuation distortion with reference to 1004 Hz.
- (2) Envelope delay distortion.

(B) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Improved attenuation distortion with reference to 1004 Hz.
(USOC - UHW)
- (2) Improved envelope delay distortion. (USOC - UHY)

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both (USOC - XCECM) configurations. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.2 Conditioning Arrangements - Data (Cont'd)

(C) Type DA (USOC - XDCPT)

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.3 Conditioning - Program Audio

(A) Stereo Conditioning (USOC - XSC)

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss (USOC - XZB)

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

5.4.4 Signaling Arrangements (USOC - OS+; XSSLR)

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.4 Signaling Arrangements (Cont'd)

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling. (USOC - OSA)
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format. (USOC - OSB)
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format. (USOC - OSC)
- (D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling. (USOC - OSD)
- (E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format. (USOC - OSN)
- (F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end. (USOC - XSSLR)

5.4.5 Echo Control

- (A) Echo Suppression (USOC - OE1)

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits provided by the Telephone Company's predecessor GTE Telephone Operating Companies and equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.5 Echo Control (Cont'd)

(B) Echo Canceller (USOC - ORJ)

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

5.4.6 Improved Return Loss (USOC - 1RL)

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CL and two-wire at the (T) other CL. Placement of Telephone Company equipment may be required at the (T) customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement (USOC - UST)

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

5.4.8 Automatic Protection Switch (USOC - APP)

Consists of special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CL or both. (T) The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CL, the (T) customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features for Iowa Telecom (Cont'd)

5.4.9 Improved Termination Option (USOC - X4T)

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2 (USOC - ORP)

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.11 Digital Data Service Secondary Channel (USOC - SCA24; SCA48; SCA96; SCA56)

This feature is offered on an optional basis to customers of Digital Data Service. It is a separate, slower speed digital channel that operates in parallel with the companion Digital Data Service primary channel. The secondary channel allows for remote control and testing of the network and peripheral devices without taking the network out of service and without lowering the speed of the primary Digital Data Service channel. This feature is not available with 19.2 Kbps or 64 Kbps Digital Data Service.

Rates and charges as set forth in 5.7.5(C) will apply on a per Digital Data Service SAL basis (each end of a two-point circuit and all ends of a multi-point circuit).

The provisioning of this option to existing Digital Data Service requires the discontinuance of the existing Digital Data Service and the establishment of new Digital Data Service for both ends of a two-point circuit and all ends of a multi-point circuit. The nonrecurring charges associated with the installation of Digital Data Service will apply.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements for Iowa Telecom (Cont'd)

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

(A) Group to Voice (USOC - MQV++)

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit, or multiplexes a single wideband analog group band circuit to twelve voice grade circuits.

(B) Supergroup to Group (USOC - MQS++)

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit, or multiplexes a single wideband analog supergroup band circuit to five wideband analog group band circuits.

(C) Mastergroup to Supergroup (USOC - MQ9++)

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit, or multiplexes a single wideband analog mastergroup band circuit to ten wideband analog supergroup band circuits.

(D) DS1 to Voice (USOC - MQ1)

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of N x 56 Kbps or N x 64 Kbps where N = 2, 4 or 6, to a single DS1 digital circuit at a rate of 1.544 Mbps.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements for Iowa Telecom (Cont'd)

(E) DS1C to Voice (USOC - MQH++)

An arrangement that multiplexes forty-eight voice grade circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to forty-eight voice grade circuits.

(F) DS1C to DS1 (USOC - MXH++)

An arrangement that multiplexes two DS1 digital circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to two DS1 digital circuits.

(G) DS3 to DS1 and/or E1 (USOC - MXB++)

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

In addition, where E1 service is available, this arrangement is capable of multiplexing:

- (1) twenty-one E1 digital circuits
- (2) four DS1 and eighteen E1 digital circuits
- (3) eight DS1 and fifteen E1 digital circuits
- (4) twelve DS1 and twelve E1 digital circuits
- (5) sixteen DS1 and nine E1 digital circuits
- (6) twenty DS1 and six E1 digital circuits
- (7) twenty-four DS1 and three E1 digital circuits

to a single DS3 digital circuit at a rate of 44.736 Mbps, or a single DS3 digital circuit at a rate of 44.736 Mbps to one of the combinations set forth in (1) through (7) above.

(H) DS3C to DS1 (USOC - MQT++)

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(I) Group to DS1 (USOC - MQG++)

An arrangement that multiplexes two wideband analog groupband circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to two wideband analog groupband circuits.

(J) Digital Data Carrier Multiplexer (USOC - QMU)

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described in 5.5(K) following or 56 Kbps digital circuits.

(K) Digital Data Subrate Multiplexer (USOC - QSU24; QSU48; QSU96)

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(J) preceding.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom

This section contains specific regulations governing the rates and charges that apply for (T) Special Access Service provided in the Iowa Telecom Service Group described in Section 1.1.1, above

5.6.1 Types of Rates and Charges

There are five types of rates and charges. These are monthly rates, weekly rates, daily rates, time sensitive rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

(B) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio or Videoband Special Access Service is provided. When part-time Program Audio service is provided for ten or more consecutive days it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio or Videoband service exceed the amount that would be charged in the same billing time period for full-time service.

(C) (Reserved For Future Use)

(D) Time Sensitive Rates

Time sensitive rates are charges that are applied either on an hourly basis or on a fraction of an hour basis.

(1) Hourly Rates

Hourly rates are recurring charges that apply to each 60 minute period, or fraction thereof, that a part-time Videoband - Type I Special Access Service is provided. The billing period commences when the video circuit is available for the customer's use and ceases when the customer's use is discontinued. There is a maximum monthly charge that may be assessed to any Temporary Videoband - Type I Special Access Service. The maximum charge during any 30 day period will be that amount equal to 100 hours of use.

(2) (Reserved For Future Use)

(This page filed under Transmittal No. 4)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) (Reserved For Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(F) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are those listed below.

(1) Design Change Charge (USOC - H28)

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CL or end user premises when its serving wire center changes or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6 preceding. (T)

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, as set forth in 5.7.1 following, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge as set forth in Section 3 preceding will also apply.

(2) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of some supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

For additions of supplemental features without an NRC, a charge equal to a SAL NRC will apply. Only one such charge per service, per order will apply.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(F) Nonrecurring Charges (Cont'd)

(3) Installation of DS3, E1 and DS1 Special Access Lines

- (a) (Reserved For Future Use)
- (b) (Reserved For Future Use)
- (c) (Reserved For Future Use)
- (d) DS3 Arrangements

There are two levels of charges for the installation of 3 System DS3 and Unlimited System DS3 SALs as set forth in 5.7.10 and 5.7.11. The "First System" charge is assessed for the first DS3 SAL ordered by a customer. When the same customer requests additional DS3 SALs, to be installed between the same locations, the "Additional System" charge will apply for each SAL ordered (maximum of two Additional System SALs in a 3 System DS3 and no maximum in an Unlimited System DS3).

For Individual DS3s, the charge for installation will apply at the same rate per DS3 SAL, and for Group System DS3s*, the charge applies per Group System* SAL.

* Limited to those services provided by the Telephone Company's predecessor, GTE Telephone Operating Companies and so equipped and in service as of March 4, 1999.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(3) Installation of DS1, DS3 and E1 Special Access Lines (Cont'd)

(e) E1 Arrangements

Customers subscribing to E1 service will be assessed a nonrecurring charge and monthly rates as set forth in 5.7.19. Suitable fiber optic facilities must be available at the CL with no physical change in the existing configuration at the CL. If this condition is not met, the (T) customer will be advised that the ASR will not be processed. The (T) customer may then cancel the ASR without charge, or may request the Telephone Company to provide such facilities in accordance with the Special Construction provisions in Section 10 of this tariff.

(f) DS1 Standard Arrangements

Customers subscribing to DS1 Standard Arrangements, at rates set forth in 5.7.7(A), will be assessed a nonrecurring charge. The NRC for DS1 Standard Arrangements will be assessed per SAL.

The regulations in Section 5.6.1(E)(6) will apply to existing DS1 Standard Arrangements customers when required for changes and other service arrangements.

(4) Installation of Temporary Videoband Service

(a) Temporary Videoband Service - Type I

There are two nonrecurring charges set forth in Section 5.7.4(A) for the installation of Temporary Videoband Service - Type I. One nonrecurring charge will be assessed when permanent in place facilities are used to provide the service, and a different nonrecurring charge will be assessed when nonpermanent portable facilities are used to provide the service. A list of permanent facilities by location is provided in 5.6.8(A)(5) following.

If the customer orders Temporary Videoband Service - Type I with broadcast intervals of 5 nonconsecutive days or less within a 7-day period, the Telephone Company may, if facilities are available, leave the facilities in place, in which case the associated installation nonrecurring charges would not apply.

(b) (Reserved For Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(5) Installation of Voicegrade, Program Audio and Digital Data Service
Special Access Lines

The nonrecurring charge associated with the installation of voicegrade SALs is specified in 5.7.2(A). The nonrecurring charge associated with the installation of program audio SALs is specified in 5.7.3(A) through (D). This charge will not apply to part-time Program Audio SALs which are left in place and reused.

The nonrecurring charge associated with the installation of DDS SAL facilities and the provisioning of the customer specified transmission speed of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps is specified in Section 5.7.5(A).

(6) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature or involve an actual physical change to the service. Changes to pending orders are in 3.2.2.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 5.6.4.

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

Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.
- 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 customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of agency authorization, and
- Change in jurisdiction involving no physical changes to the service.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing two-point or multipoint service, installation charges for each location added will apply.
- If the change involves the addition of supplemental feature or multiplexing arrangement, the installation charge associated with the supplemental feature or multiplexing arrangement will apply. When the supplemental feature or arrangement has no associated nonrecurring charge (or rated at \$.00), one SAL nonrecurring charge for the type of service involved (i.e., voicegrade SAL, DDS SAL, etc.) will be applied to the order.
- If the change involves only changing the type of network interface, with no change in facility, the installation charge associated with each service receiving a network interface change will apply.
- If the change involves changing a two-wire service to a four-wire service or vice versa, the installation charge for each location changed will apply.
- If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity special access service onto a higher capacity special access service. The rollover must occur in the wire center where the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).

Grooming is the retermination of a lower capacity special access service from one channel in a higher capacity special access service to another channel in the same higher capacity special access service or to another channel in another higher capacity special access service (i.e., change in connecting facility assignment) in the same wire center, with no other changes to the lower capacity service.

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FACILITIES FOR INTERSTATE ACCESS

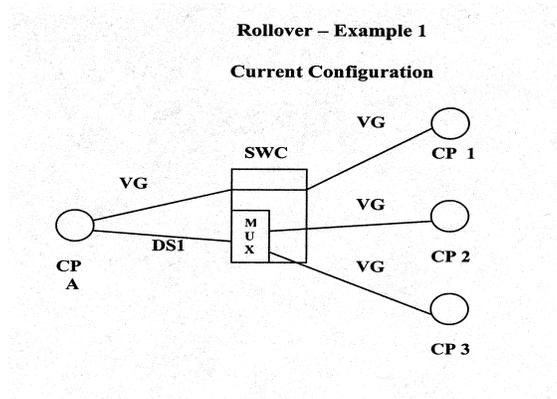
5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

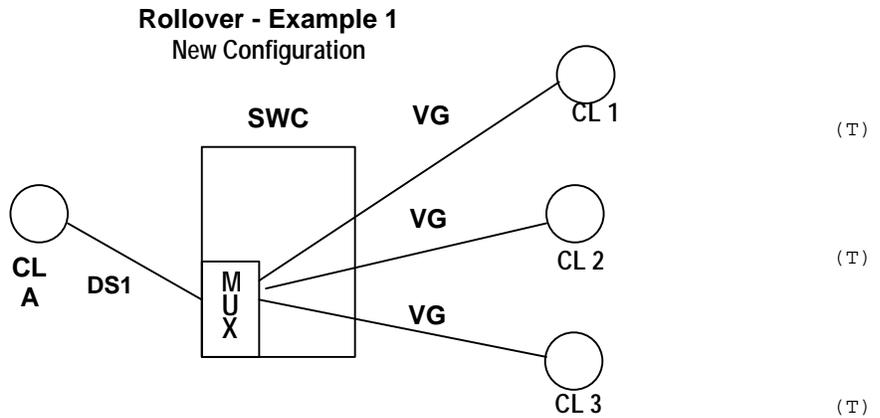
5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)



The customer requests that the voiceband circuit (VG) between CL A and CL 1 be "rolled over" to the DS1 serving CL A. No NRCs apply for this request.



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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

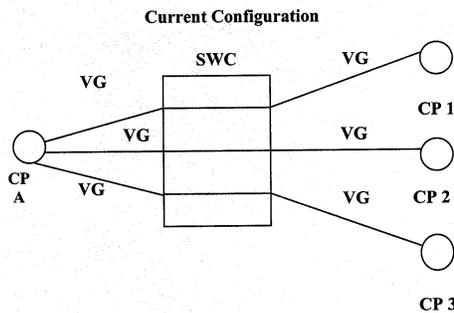
5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

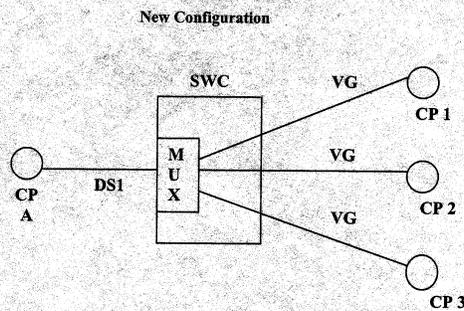
(6) Service Rearrangements (Cont'd)

ROLLOVER - EXAMPLE 2



The customer requests the installation of a DS1 between the serving wire center (SWC) and CL A and a DS1/voice multiplexer in the SWC. (T)
The customer also requests that the voiceband circuits serving CLs 1, 2, and 3 be "rolled over" to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband roll overs to the new high capacity circuit. (T)

ROLLOVER - EXAMPLE 2



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FACILITIES FOR INTERSTATE ACCESS

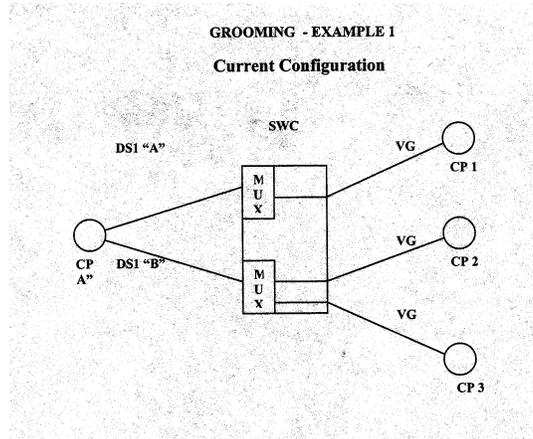
5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

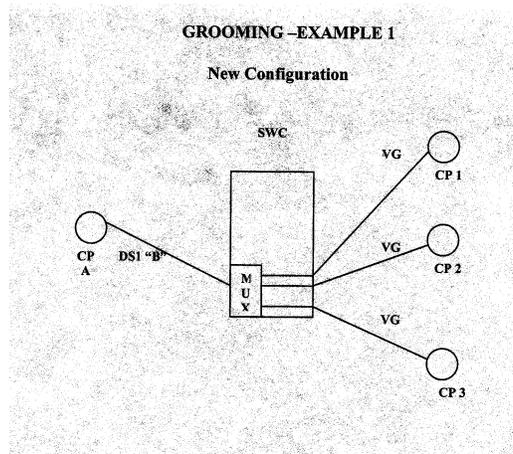
5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)



The customer requests that the voiceband (VG) circuit serving CL 1 be moved (T) from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.



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FACILITIES FOR INTERSTATE ACCESS

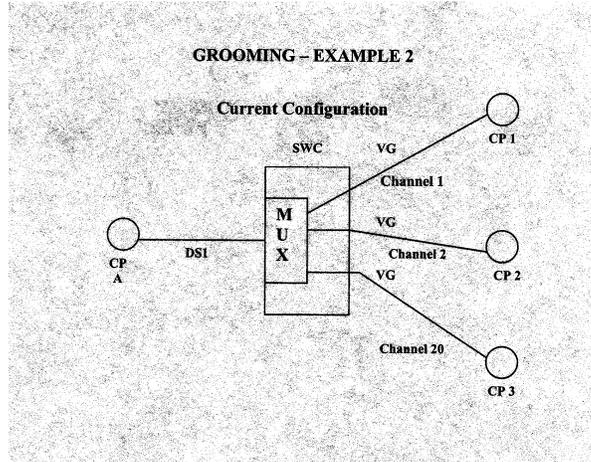
5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

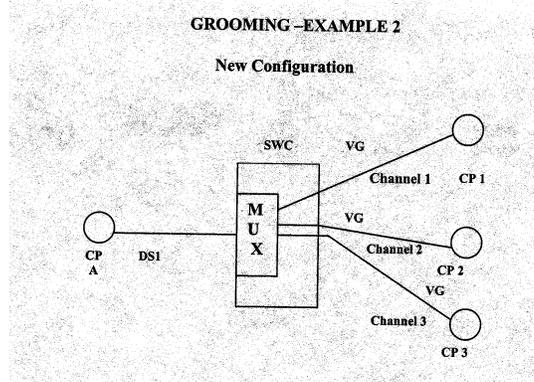
5.6.1 Types of Rates and Charges (Cont'd)

(E) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)



The customer requests that the voiceband circuit serving CL 3 be moved from (T) channel 20 in the DS1 serving CL A to Channel 3 in the same DS1. No NRCs (T) apply for this request.



- If the change involves reterminations other than Rollovers and/or Grooming, all NRCs associated with the installation of the lower capacity service will apply.
- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.2 Minimum Periods

Special Access for the Iowa Telecom Service Group is provided for a specified minimum period. Minimum periods and minimum period charges are described in Section 3 preceding.

5.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., CL serving wire center or Hub Wire Center or WATS Serving Office). Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged. (T)

When there is a Hub Wire Center involved, the Special Transport mileage will be measured from the Hub Wire Center to the serving wire centers of each of the CLs connected to the hubbed facilities. Mileage is computed for each section and rates are applied accordingly. However, when a Special Access facility is routed through a Hub Wire Center for purposes other than customer specified such as bridging or multiplexing (e.g. the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the CLs. (T)

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates and the method of calculation are specified in the NECA Tariff FCC No. 4. (T)

5.6.4 Moves

A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special Construction as set forth in Section 10 may also be applicable at the different CL. (T)

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring, will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access, depending on which end of the Special Access is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

The charge for the move depends on whether the move is within the same CL or to a different CL. (T)

(A) Same CL (T)

When the move of a termination of FIA, as defined in Section 2.1.5, for special access is to a new point within the same CL (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force. (T)

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.4 Moves (Cont'd)

(B) Different CL

(T)

- (1) When the move is to a different CL (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The appropriate service installation charge for the service termination(s) affected will apply. A new minimum period will be established for the installed Special Access Service. The customer will remain responsible for all minimum period charges associated with the disconnected Special Access Service. For services subject to payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable. (T)
- (2) When the move is to a different CL but served by the same serving wire center, the following conditions apply: (T)
- A change ASR will be required.
 - The appropriate service installation charge for the service termination(s) affected will apply.
 - For Special Access services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the appropriate NRCs for changes will apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs and full assessment of the remaining liabilities will be applicable.

5.6.5 Rates and Charges on an Individual Case Basis

- (A) The monthly rates and nonrecurring charges for the following service offerings will be developed on an Individual Case Basis:
- Full-time Videoband - Type I Facilities
 - Wideband Analog - Group Band Facilities
 - Wideband Analog - Supergroup Band Facilities
 - Wideband Analog - Mastergroup Band Facilities
 - High Capacity Digital DS1C (3.152 Mbps) Special Access Lines
 - High Capacity Digital DS1C (3.152 Mbps) Special Transport
 - High Capacity Digital DS3C (89.472 Mbps) Facilities
- (B) The monthly rates and nonrecurring charges for the following Multiplexing Arrangements will be developed on an Individual Case Basis:
- Group to Voice
 - Supergroup to Group
 - Mastergroup to Supergroup
 - DS1C to Voice
 - DS1C to DS1
 - DS3C to DS1
 - Group to DS1

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.5 Rates and Charges on an Individual Case Basis (Cont'd)

(C) The monthly rates and nonrecurring charges for the following
Supplemental Features will be developed on an Individual Case Basis:

Dataphone Select-a-Station Bridging Common Equipment - Addressable.

Dataphone Select-a-station Bridging - Each Four-Wire Port.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.6 Hub Wire Centers

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging or multiplexing arrangements are provided. Bridging is used to connect three or more CLs in a multipoint arrangement. The multiplexing arrangements (T) channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Although Hub Wire Centers are defined as serving wire centers at which bridging or multiplexing arrangements are performed, they are not limited to providing these functions and may provide any other types of Special Access services offered in this tariff. For example, the Telephone Company will designate certain Hub Wire Centers for Program Audio service offerings and the termination of Group System DS3* Special Transport.

The Telephone Company will designate the Hub Wire Center locations. Different locations may be designated as Hub Wire Centers for different functions, such as bridging or multiplexing arrangements, for different facility capacities (e.g., multiplexing from digital to digital may occur at one wire center while multiplexing from digital to analog may occur at a different wire center). The location of Hub Wire Centers and the types of hubbing functions offered at that location are identified in the NECA Tariff FCC No. 4.

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate,
- from higher to lower bandwidth,
- from digital to voice grade service.

The transmission performance for the end to end Special Access provided from CLs (T) will be that of the lower capacity or bit rate. For example, when a DS1 Special Access is multiplexed to voice frequency circuits, the transmission performance will be Voiceband, not High Capacity.

The Telephone Company will commence billing the monthly rate for the Special Access Line and Special for the High Capacity facility to the Hub Wire Center as of the service date, even though individual services utilizing those facilities may not be installed until a later date. If the customer has designated the type of multiplexing to be provided with the High Capacity facility, the nonrecurring charge for the Multiplexing Arrangement will be billed to the same customer at that same time, and the billing for the monthly rate will begin.

Individual Special Access rates (by Special Access type) will apply for the Special Access Line and additional Special Transport facilities (if required) for each channelized Special Access. These will be billed to the customer specified on the ASR as each individual Special Access is installed. The appropriate application of rate elements is specified in 5.6.7(B). Shared use of a digital high capacity facility is provided for in 5.6.7(A).

A customer may order full-time and/or part-time Program Audio Services between two CLs, or between a CL and a Hub Wire Center, and will be billed accordingly at the (T) rates set forth in Sections 5.7.3(A), 5.7.3(B), 5.7.3(C) and 5.7.3(D) following.

* Limited to those services so equipped originally provided by the Telephone company's predecessor GTE Telephone Operating Companies and in service as of March 4, 1999.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.6 Hub Wire Centers (Cont'd)

At the request of the customer, the full-time and/or part-time services provided to a Hub Wire Center may be connected together in the following configurations: full-time to full-time, full-time to part-time, or part-time to part-time.

The rates that apply for Program Audio Services between each CL and the Hub Wire (T) Center are Special Transport, if applicable, and Special Access Line. In addition, rates for Supplemental Features may be applicable.

5.6.7 Shared Use Analog and Digital High Capacity Services

Monthly charges for a DS1 or DS3 high capacity shared used facility will be apportioned between Switched and Special Access based on the relative proportion of channels used for switched and special access in the following manner.

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula:

- The total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula:

- The total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Special Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

The monthly Switched and Special Access rate used will be the appropriate rate (Special Access SAL, Transport, Multiplexer Arrangement and Switched Access Entrance Facility, Direct-Trunked Transport, Multiplexer and/or Arrangement) for the underlying shared use facility, i.e., if the underlying facility is a Special Access DS3 service, the corresponding Switched Access DS3 Transport will be used to determine the Switched Access monthly charges.

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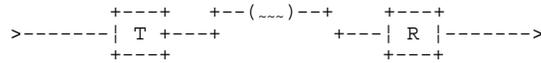
5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.8 Temporary Videoband Service

(A) Type I

The rates and charges for use of facilities for Temporary Videoband - Type I Service are assessed on a per hop basis. A hop is defined as the transporting of a one-way video and associated audio signal(s) in a direct path from a transmitter location to the adjacent receiver location. The distance of a single hop is primarily a factor of the local geographics of the video path, therefore, more than one hop may be required between CLs. (T) The following diagram depicts a single hop.



There are two separate rate categories for a hop which are based on the provisioning of service:

- Video broadcasts which use permanent facilities, and
- Video broadcasts which use nonpermanent facilities.

(1) Use of Permanent Facilities for Temporary Video Broadcast - Type I

Permanent facilities are those in-place facilities that are not removed at the end of a broadcast. Sites where existing permanent facilities are located for temporary broadcast service are listed in Section 5.6.8(A)(5).

The rates and charges for services provided over permanent facilities for Nonrecurring Charges, for Hourly Charges, and for Technician Standby, are set forth in Section 5.7.4(A). Nonrecurring Charges for Temporary Videoband Service - Type I are also described in Section 5.6.1(E)(4).

The Telephone Company does not contemplate constructing permanent facilities to provision future requests for temporary Type I Videoband service.

(2) Use of Nonpermanent Facilities for Temporary Video Broadcast - Type I

Nonpermanent facilities consist of portable microwave equipment (e.g., transmitter, receiver, antenna, connecting cables and associated equipment) which is set up for the broadcast and subsequently removed after the broadcast.

The rates and charges for services provided over nonpermanent facilities for Nonrecurring Charges, for Hourly Charges, and for Technician Standby are set forth in Section 5.7.4(A) following. Nonrecurring Charges for Temporary Videoband Service - Type I are described in Section 5.6.1(E)(4).

Where multiple hops are required to provide the requested service, the rates and charges will apply to each hop set up for the broadcast. The Technician Standby charge will only apply to the time the Type I Videoband service is provided. The Technician Standby charge is not applied on a per hop basis.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.8 Temporary Videoband Service

(A) Type I (Cont'd)

(2) (Reserved For Future Use)

(3) Use of Combined Facilities for Temporary Video Broadcast - Type I

Temporary Videoband Service may require the use of combined facilities to provide the requested service. Where permanent and nonpermanent facilities are used in tandem to provide a Video service, one-half the nonrecurring charge will apply for the permanent facilities while the full nonrecurring charge will apply for the nonpermanent facilities. The hourly charge for both facilities will be applicable. The Technician Standby charge will only apply to the time the service is provided.

J

(4) Joint Provisioning of Service

Where more than one Telephone Company is involved in the provisioning of a Temporary Videoband Service - Type I, such jointly provided facilities are subject to the rules and regulations outlined in Section 2.7 and 3.3. When the multiple bill option is employed as set forth in Section 2.7.3(B), the rate will apply as follows: When only nonpermanent facilities are used to provision the service and the service is jointly provided, the rates for the Video service will be one-half the nonrecurring charge and one-half the hourly charge. Where permanent facilities are used to provision the Video service and the service is jointly provided, the rates for the service are the entire nonrecurring charge and the entire hourly charge. Where a combination of permanent and nonpermanent facilities are used in the joint provisioning of the service, the rates for the Video service will be one-half the nonrecurring charge for the permanent and nonpermanent facilities and one-half the hourly charge for the nonpermanent facilities and the entire hourly charge for the permanent facilities.

When a single bill option is employed as set forth in Section 2.7.3(A), the rates will apply as follows: Where any combination of permanent and nonpermanent facilities are used to jointly provide the service, the entire nonrecurring charge and the entire hourly charge will apply.

The entire Technician Standby charge will be applied to the time the service is provided under either a single bill option or a multiple bill option.

(5) Permanent Sites for Temporary Video Broadcast - Type I

Sites where permanent facilities are located are listed below for each jurisdiction where such facilities exist: None

5.6.9 Special Access Surcharge (USOC - S25)

Pending the development of techniques to accurately measure usage of local facilities which are interconnected by users by means of interstate or foreign telecommunications, a surcharge of \$25.00 per service per month will be assessed to a two point Special Access Service, and to each additional Special Access Line when the service is configured as multipoint. The special Access Surcharge will also be assessed upon Wideband Analog, High Capacity Digital and FTI Services on a voice band equivalent basis. The voiceband equivalency for these type services is as follows:

- High Capacity DS1 equates to 24 Voiceband Facilities
- High Capacity DS1C equates to 48 Voiceband Facilities
- High Capacity FiberConnect equates to a maximum of 96 Voiceband

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.9 Special Access Surcharge

- High Capacity DS3 equates to 672 Voiceband Facilities
- High Capacity DS3C equates to 1344 Voiceband Facilities
- Wideband Group equates to 12 Voiceband Facilities
- Wideband Supergroup equates to 60 Voiceband Facilities
- Wideband Mastergroup equates to 600 Voiceband Facilities
- Each 56 Kbps or 64 Kbps channel in a FT1 Service equates to one Voiceband Facility.
- High Capacity E1 equates to 30 Voiceband Facilities

The Special Access Service Will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the termination is one of the following : (USOC - S25EX)

- (1) The open and termination (dial tone end) of a Foreign Central Office Line, Common Control Switching Arrangement (or equivalent) or Off Network Access Line (ONAL).
- (2) Any termination of an analog circuit used for radio or television program transmission.
- (3) Any termination of a line used for telex service.
- (4) Any termination of a line by nature of its operating characteristics and nature of connection could not make use of common lines.
- (5) Any line termination, other than (1) through (4) preceding, which is subject to the following charges: (a) Carrier Common Line, (b) End Office Switching, and (c) Switched Transport.
- (6) A termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the Special Access Service to the local network. If the PBX or other device has been configured either through software programming or physical restrictions not to access the local network, then the customer may file the surcharge exemption for the Special Access Service terminating on this equipment.

In order for the Telephone Company to determine the application of the surcharge with respect to specific services, the customer must report the intended use of all services when placing ASRs for Special Access Service. In addition, when ordering High Capacity Analog or Digital services, the customer must report the use for each voice equivalent circuit of the high capacity service. When any circuit is reported wholly used in any manner described in (1) through (6) preceding, the surcharge will not apply. If the intended use is not reported, the surcharge will apply.

If, at any time after the installation of a service which is subject to the surcharge, the customer reports that the service is being used consistently with any exception listed above, the Telephone Company will credit the customer for the surcharge. Credit will not be given beyond the receipt date of the certification for exemption.

5.6.10 Message Station Equipment Recovery Charge (USOC - UTM)

Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment which is assigned to Special Access Service. Since there is zero cost assigned to Message Station Equipment Recovery in Special Access the charge is \$.00.

5.6.11 DS3 High Capacity Service

(A) DS3 Rate Structure

Option 1: (System DS3s) SALs are provided as one of two system offerings: 3 System and Unlimited System. SAL rates for System DS3s vary dependent on whether the interface provided is electrical or optical. Additional

(This page filed under Transmittal No. 1)

Issued: July 18, 2001

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(A) DS3 Rate Structure (Cont'd)

SALs may only be added with the same interface with Telephone Company electronics or without Telephone Company electronics (electrical or optical) as the First System. All DS3 SALs are non-distance sensitive.

Under a 3 System DS3, additional DS3 SALs, up to a maximum of two, may be ordered by the same customer, between the same CL and serving wire center. (T)

Under an Unlimited System DS3, additional SALs, with no maximum, may be ordered by the same customer, between the same CL and serving wire center. (T)

Group System DS3s are limited to those services so equipped and in service as of March 4, 1999. Group System DS3s provide a total capacity of 12 (DS3 x 12) or 24 (DS3 x 24) DS3 SALs. All DS3s in a Group System must be between the same CL and serving wire center. (T)

Option 2: (Individual DS3) This option provides individual DS3 service. Before confirming the ASR for this option, the Telephone Company will verify the availability of a DS3 interface at the CL. If a DS3 interface can be made available with no physical change to the existing configuration at the CL, the ASR will be confirmed and processed. If this condition is not met, the customer will be advised and no charge will be assessed for the unprocessed ASR. The customer may then cancel the ASR or submit a new ASR for one of the services available under Option 1. (T)

SAL rates for Individual DS3s vary dependent on whether the interface provided is electrical or optical.

A DS3 SAL provides a spare transmission path (transmit and receive) connected to an automatic protection switch. In the event of failure in the primary service, traffic will be automatically transferred to the spare transmission facilities. The spare transmission path will normally be provided on the same route as the primary path. When a customer orders a DS3 SAL, the customer may request that the spare transmission path be provided via an alternate route provisioned as the Telephone Company may elect. If common points for the primary and alternate route become necessary, these points will be identified by the Telephone Company and provided to the ordering customer. Should the routing arrangement require special routing requirements specified by the customer, other rates and regulations as set forth in Section 9 or Section 10 may be applicable.

A customer may order the same or different type of DS3 SALs for each CL(s) at which DS3 service is terminated. (T)

When a customer requests the disconnect of a DS3 service in the 3 System DS3 or Unlimited System DS3, an Additional System DS3 SAL must be disconnected first. When only the First DS3 service exists, that service will be disconnected.

Any costs associated with Special Construction as set forth in Section 10 will apply.

DS3 Special Transport contains two rate elements, Special Transport Termination and Special Transport Facility. Special Transport Termination rates apply for the termination of each end of the interoffice facility. Special Transport Facility rates apply for each airline mile of the interoffice facility. Group System DS3* Transport Terminations (DS3 x 12 and DS3 x 24) and Group System DS3* Transport Facilities are only available when connected to at least one DS3 Group System* SAL of the same level (12 or 24). In addition, the Special Transport Facility and Special Transport Termination rates apply per DS3 Group of 12 or 24.*

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(B) (Reserved for Future Use)

(C) Minimum Service Periods

Individual DS3s and System DS3s are offered under four minimum service periods, each with different rate levels. The minimum service periods are 1, 3, 5 and 7 years. The customer must specify the minimum service period at the time the service is ordered. First and Additional DS3 SALs (3 System DS3s and Unlimited System DS3s) can have a different minimum service period. However, each DS3 SAL of a two-point DS3 service must have the same minimum service period.

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower monthly recurring rates associated with a longer minimum service period. When the customer selects this option, no credit toward the new service period will be given for the amount of time they were under the shorter minimum service period. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

(D) Expiration of Minimum Service Period

At the expiration of a minimum service period, the customer may select a new DS3 period. If the customer fails to make this selection, the Telephone Company will notify the customer and continue two additional months of billing. If the customer does not select a new minimum service period within 60 days from the expiration date, billing will remain at the current service period and a new DS3 minimum service period will begin based on the previously effective service period. All terms and conditions, including Termination Liabilities will apply to the new DS3 period.

Should a customer choose to disconnect a DS3 service having satisfied the minimum service period termination liabilities, the disconnect steps will still be applied as specified in 5.6.11(A).

(E) Discontinuance Without Liability - DS3 Minimum Service Period

Should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at their option, terminate the DS3 service without penalty or liability.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(F) Discontinuance With Liability - DS3 Minimum Service Period

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the applicable minimum service period. This charge will be based on the rates in effect at the time of disconnect. There are two liability periods for DS3 service, "first liability period" and "subsequent liability period". The "first liability period" is the period beginning from the establishment of the DS3 and is based on the customer's initial commitment term for the DS3. The "subsequent liability period" is the period after the customer's initial commitment term has expired and the customer wants to renew the DS3 service with the existing term period or select a new DS3 term period. The customer's total liability for the "first liability period" or "subsequent liability period" is dependent upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the "first liability period" or "subsequent liability period" times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

<u>Year In Which Service Is Discontinued</u>	<u>1st Liability Period Rate</u>	<u>Subsequent Liability Period Rate</u>
1	45%	20%
2	30%	20%
3	25%	20%
4	20%	20%
5	20%	20%
6	20%	20%
7	20%	20%

For example, if a customer with a first liability period of seven years discontinues the DS3 service after six months within the 4th year, the customer will be liable for 20% of the total monthly charges for six months, 20% of the total monthly charges for the 6th year and 20% of the total monthly charges for the 7th year.

For example, if DS3 service is disconnected during the subsequent seven year liability period, the customer will be liable for 20% of the total monthly charges for the remaining months for each annual period remaining in the seven year minimum service period.

Customer liability will be calculated as previously stated but will be limited to:

The dollar difference between 1) the amount the customer has already paid and, 2) any additional charges that the customer would have paid for service if the customer had taken a shorter term offering corresponding to the term actually used.

For example, if a customer with a seven year minimum service period discontinues service six months after the end of the third year, the customer liability will not exceed:

(Three year monthly rate - Seven year monthly rate) x 42 months

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(G) Notification of Discontinuance

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

(H) Upgrade to Higher Speed Service

Customers may elect to upgrade DS3 service(s) to a higher speed during a first liability period or subsequent liability period. The upgraded service will be subject to all appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied:

- Both the existing and the new services are provided solely by the Company.
- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.
- The new service will be provided at the same customer location(s) as the discontinued service.
- The fixed-period plan for the upgraded service(s) meets or exceeds the remaining length of the existing fixed-period plan.
- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.
- The monthly rates for the upgraded services and/or service elements will be those in effect at the time of the service upgrade. The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in Section 5.6.4(B)2.

(I) (Reserved for Future Use)

(J) (Reserved for Future Use)

(K) (Reserved for Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

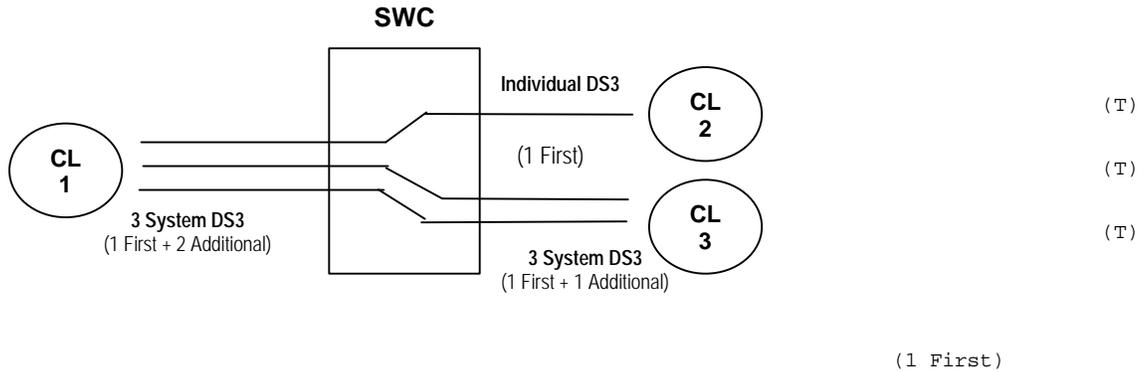
5.6.11 DS3 High Capacity Service (Cont'd)

(L) DS3 Multiplexer Cross Connect Arrangement

For DS3 multiplexed services, the DS3 Multiplexer Cross Connect arrangement allows a customer to cross connect digital DS1 channels from one multiplexer to another multiplexer. The rate as specified in 5.7.15 will apply per cross connect arrangement. If the DS3 multiplexed services are located in different hub wire centers, DS1 special transport will apply in addition to the DS3 cross connect charge. The customer must provide the channel assignments (CFA and SCFA) for both multiplexed services on the ASR.

(M) Partitioned Billing Arrangement (PBA)

PBA is a service arrangement that allows System DS3 (3 System, Unlimited System, or Group System*) customers to partition the multiple DS3s to a number of CLs on the other end of the circuit (see diagram below). All (T) rate elements associated with the PBA must be billed to the same customer.



For 3 System DS3s and Unlimited System DS3s ordered under a PBA, each CL (T) must have a first system SAL. Additional SALs may then be ordered under the normal System terms and conditions.

* Limited to those services initially provided by the Telephone Company's predecessor GTE Telephone Operating Companies and so equipped and in service as of March 4, 1999.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(M) Partitioned Billing Arrangement (PBA) (Cont'd)

When Group System DS3 Special Transport* is provided as part of a PBA, a Group System DS3 SAL* of the same level (DS3 x 12, DS3 x 24)* must be connected to one end of the Group DS3 Special Transport*. Under a PBA only, DS3 x 12 Group System Special Transport* may be connected to DS3 x 24 Group System Special Transport* at hub wire centers. Also, standard DS3 Special Transport may be connected to either DS3 Group System Special Transport* at hub wire centers. All DS3 Special Transport Terminations apply for each type of DS3 Special Transport.

When ordering a PBA the customer must specify on the ASR the Access Service Group (ASG) and the First System DS3 circuit identification (ECCKT) at both CLs. Each 3 System DS3 and/or Unlimited System DS3 at a CL must be ordered (T) as separate PBAs.

Customers with existing DS3 Systems (3 System, Unlimited System, or Group System*) may convert to a PBA. To convert, the customer must issue discontinuance of service ASR(s) for the existing DS3s and establishment of new service ASR(s) for each CL to be converted to the PBA. If no physical (T) changes to the service(s) are required, no NRCs apply. If any physical changes are required, appropriate NRCs will apply.

* Limited to those services initially provided by the Telephone Company's predecessor GTE Telephone Operating Companies and so equipped and in service as of March 4, 1999.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP)

(A) General

- (1) The terms and conditions specified herein are applicable to DDS services. Additional terms and conditions for DDS are set forth in 5.6.12(I).
- (2) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.
- (3) (Reserved For Future Use)
- (4) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- (5) Payment periods of one year, three year, and five years are available to all customers at the applicable rates set forth in 5.7.5(B), regardless of when they subscribe to an OPP arrangement.
- (6) The customer must designate on the ASR the payment period for the OPP.
- (7) Inside moves, provided in accordance with 5.6.4, will not incur termination liability charges.
- (8) Outside moves provided in accordance with 5.6.4(B)(2) will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

(B) Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges apply.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(C) Renewal Options

- (1) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates (except FiberConnect) or discontinue service.
- (2) Conversion to a different OPP period will require the customer to submit a change order ASR. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (3) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

(D) Notification of Discontinuance

An ASR for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

(E) Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 5.6.4(B)(2).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer location.

(T)

(F) Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.13 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)

(A) Description

The Four-Wire Voiceband and DDS RSP will allow customers to stabilize their monthly recurring rates (MRCs) for Four-Wire Voiceband and DDS SALs and associated Voiceband and DDS Special Transport. This service is offered for a fixed service period at the rates specified in Section 5.7.16. The RSP allows customers to select a service commitment period during which the rates will be stabilized. The service commitment periods are 3 years or 5 years, which must be specified in writing at the time of enrollment.

The RSP is available to customers who qualify for the Plan's eligibility requirements and agree to the Plan's terms and conditions.

Customers of the Plan will not be subject to Telephone Company initiated rate increases during their service commitment period. Rate changes may occur as a result of FCC action.

Four-Wire Voiceband and DDS RSP rates will not be greater than standard month-to-month Four-Wire Voiceband and DDS SAL rates and associated Voiceband and DDS Special Transport rates.

(B) Eligibility Requirement

The eligibility requirement for RSP is a minimum combined national commitment level of 500 Four-Wire Voiceband and DDS SALs. These SALs must be interstate services and provided by the Telephone Company in its serving areas. Any associated Special Transport is also subject to the terms and conditions of the RSP.

At an annual review, if the customer has committed to more than the minimum number of 500 SALs required, an allowance of minus 2% or plus 5% will be considered as having met the commitment level.

When the customer elects to enroll in an RSP, they must specify, in writing, the enrollment date (which will be the anniversary date) and the commitment level. The specified enrollment date must be within 30 days of receipt by the Telephone Company. By the specified date, the customer must issue ASRs to add SALs to the RSP and/or convert month-to-month SALs to the RSP to fall within the commitment range specified above.

Besides the eligibility requirement, customers of this plan are also subject to the terms and conditions specified in Section 5.6.13(C).

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.13 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)
(Cont'd)

(C) RSP Terms and Conditions

- (1) Written notice must be submitted by the customer to change the commitment level of SALs. If, as the result of increasing or decreasing the commitment level, service is changed from the RSP to a month-to-month arrangement or from a month-to-month arrangement to the RSP, an ASR will be required within 30 days for all services changed. Only one RSP will be allowed per customer. Penalties for decreasing the commitment level are discussed in 5.6.13(C)(4).
- (2) Each customer's RSP will be reviewed annually. The customer will be notified in writing as to the status of the RSP. This notification will inform the customer of any RSP SALs that must be converted. If the customer has increased the number of SALs from the initial commitment beyond the range specified in 5.6.13(B), he will have the option of increasing the commitment level for the remainder of the plan. If the customer chooses not to increase the commitment level of SALs for the remaining year(s) of the plan, he must convert the increased number of SALs to standard month-to-month SALs to a level within the range specified in 5.6.13(B). The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of SALs being decreased. The customer will have 30 days from the receipt of this notification to convert SALs.
- (3) If a service has two SALs, to include this service as part of the RSP, both SALs must be in the RSP. RSP rates for Special Transport are only applicable when the associated SALs are included in the RSP.

After enrolling in the plan, the customer may add or delete RSP SALs at any time during the plan.

- (4) When the number of RSP SALs at the annual review is less than the acceptable commitment range, penalty charges will apply, based on the difference between the commitment level less 2% and the number of RSP SALs in effect at the annual review. For example, if the commitment level is 100 and the customer has 90 RSP SALs at the time of the annual review, the penalties described below will be applied to the difference of 98 (2% less than 100) and 90, which would be 8 in this example.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.13 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)
(Cont'd)

(C) RSP Terms and Conditions (Cont'd)

(4) Continued

The penalty charged is equal to the unweighted average of the customer's applicable RSP Four-Wire Voiceband SAL and DDS SAL monthly rates multiplied by the deficient number of SALs.

Example:

Customer has Four-Wire Voiceband and DDS services in Iowa. RSP rates are as follows:

<u>Type SAL</u>	<u>Effective RSP Rate</u>
Four-Wire Voiceband	\$42.00 (R)
DDS (2.4, 4.8, 9.6, 19.2 Kbps)	63.84
DDS (56, 64 Kbps)	<u>83.79</u>
Totals	\$189.63 (R)

UNWEIGHTED AVERAGE OF RSP RATES: $\$189.63/3 = \63.21 . (R)

Review of customer's records reveals commitment deficiency of eight SALs. The applicable penalty charged would be $\$63.21 \times 8 = \505.68 . (R)

(D) RSP Nonrecurring Charges

No nonrecurring charge will apply for the ASRs processed to convert existing SALs to or from the RSP. All applicable Special Access NRCs will apply for ASRs processed to add new SALs. Refer to Section 5.7.2 for Voiceband SAL NRCs and Section 5.7.5 for Digital Data Service SAL NRCs.

(E) RSP Services

This Plan is offered only for Four-Wire Voiceband and Digital Data Service (DDS).

(This page filed under Transmittal No. 35)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.13 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)
(Cont'd)

(F) RSP Application

(1) Rate Elements Subject to the Plan

The RSP stabilizes the MRCs for Four-Wire Voiceband SALs, DDS SALs, and their associated Voiceband and DDS Special Transport MRCs. The MRCs for these rate elements will not be increased by initiation of the Telephone Company from the rates in effect as of the RSP enrollment date for the duration of the service commitment period. The RSP enrollment date is the date on which the RSP customer signs a written agreement for RSP and otherwise meets the Plan's eligibility requirements.

All RSP customers will pay the same RSP rate at any given point in time. However, each RSP customer will have only one RSP enrollment date, which will apply to all of the customer's rate elements subject to the Plan. This is regardless of whether services were existing and converted to the RSP, added at the time of enrollment, or added subsequently during the RSP service commitment period.

Before the expiration of a customer's RSP service commitment period, the RSP may be replaced by a new RSP at the tariffed rates currently in effect. The customer will not incur any penalties associated with their current plan if the elected service period is equal to or greater than the time remaining on the current RSP. For any new services added to the Plan, the MRCs will be at the rate in effect when the customer elects the new plan. However, billing for these services will not begin until the services have been installed.

The RSP does not apply to NRCs associated with Four-Wire Voiceband and DDS, supplemental features and multiplexing arrangements.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.13 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)
(Cont'd)

(F) RSP Application (Cont'd)

(2) RSP Expiration

At the end of the service commitment period, the customer may either continue the services at non-RSP rates in effect or elect a new RSP. If the customer chooses to convert to a new RSP, the new service period will begin the day following the expiration of the old Plan. The RSP rate for the new Plan will be at those in effect at the beginning of the new service period. If the customer fails to make this selection, the Telephone Company will notify the customer and continue one additional month of RSP billing. If the customer does not notify the Company of its intentions within 30 days from the expiration date of the RSP, the services under the plan will revert to general tariffed rates.

(3) Upgrade to Higher Capacity Service

The customer may upgrade service to a high capacity service during the RSP period. The upgraded service will be subject to all appropriate NRCs.

If both of the following conditions exist, the commitment level will be decreased by the number of RSP SALs that are upgraded to a high capacity service.

- The customer must notify the Telephone Company in writing in addition to issuing an ASR.
- The high capacity service period must be equal to or longer in length than the time remaining under the RSP.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.14 DSL Term Volume Plan (TVP)

(A) Description

The DSL Term Volume Plan (TVP) allows customers discounts, which are applied to DSL SALs based upon a volume and term commitment. The TVP is offered for a 1, 2, 3 or 5 year term commitment period. All of the customer's TVP DSL SALs will be billed at the same rate, based upon the state where the service is located, the length of the term selected by the customer, and the threshold level in which the commitment quantity falls. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.

During the TVP term, the customer may elect to increase the term or commitment level of the plan without any Termination Liability, provided there is no lapse of time between the effective date of the increase and the termination of the previously effective term or commitment quantity.

The new term length begins on the same start day as the term length it replaces. There will not be any retroactive adjustments of a discount due to a customer-initiated change in term or commitment quantity.

(B) Rate Application

For conversion of existing month-to-month DSL service to a TVP arrangement, the customer will be required to submit written notification or a change order ASR to convert to the TVP. No service or billing interruption will occur when a customer converts from month-to-month rates to a TVP. If no other changes to the service(s) are ordered, no charges will apply.

If a change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center and the serving wire center of the customer location are the same.

(T)

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.14 DS1 Term Volume Plan (TVP) (Cont'd)

(C) Rate Changes

Rate changes in the TVP monthly recurring DS1 SAL rates will be passed on to subscribers of the plan. However, during the TVP period, should the rates increase, the customer may, at his/her option, terminate the TVP arrangement without penalty or liability, unless the increase is a result of FCC action.

(D) Threshold Levels

Two or more DS1 SALs are required to qualify for a TVP. Rates are applied based on the following DS1 SAL threshold levels: 2-60, 61-120, 121-240, 241-500, 501-1000, 1001-3000, 3001-6000, 6001-11,000 and Over 11,000.

(E) Changes to Commitment Quantity or Term

At any time during the plan term, the customer may increase the commitment quantity of DS1 SALs or commitment term to receive a lower threshold rate by submitting written notification to the Telephone Company.

When a penalty is assessed at the annual review, as set forth in 5.6.14(I), the number of DS1 SALs in service will become the commitment quantity for the subsequent years' annual review.

(F) TVP Plan Enrollment

When the customer elects to enroll in a TVP he/she must specify, in writing, the enrollment date (which will be the anniversary date) and the DS1 SAL commitment quantity. The specified enrollment date must be within 30 days of receipt. By the specified date, the customer must submit a request in writing or issue ASR(s) to add DS1 SALs to the TVP and/or convert month-to-month arrangement DS1 SALs to the TVP to fall within the commitment quantity specified.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.14 DS1 Term Volume Plan (TVP) (Cont'd)

(G) Annual Review

Each customer's TVP will be reviewed annually. The customer will be notified in writing as to the status of the TVP. If the in-service DS1 SAL quantity falls below the commitment quantity, an allowance of 3% will be considered as having met the commitment quantity. Where the customer does not meet the minimum quantity of DS1 SALs in service, penalties will be assessed as set forth under 5.6.14(I).

If the number of DS1 SALs increase from the initial commitment, the customer will have the option of increasing the commitment level for the remainder of their TVP. If the customer chooses not to increase the commitment level, he/she may convert the increased number of DS1 SALs to a monthly plan or a second TVP plan.

The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 SALs being decreased. Penalties will apply as set forth in 5.6.14(I).

The customer will have 30 days from receipt of notification to convert DS1 SALs. If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TVP DS1 SALs in effect at the annual review.

(H) TVP Conditions

If a DS1 service (circuit) consists of two DS1 SALs, both DS1 SALs must be in the TVP.

After enrolling in the plan, the customer may delete or add DS1 SALs rated at the specified term period/threshold level rate at any time during the plan. For example, if the customer subscribes to a 2 year TVP at the 61-120 DS1 SAL threshold level, DS1 SALs may be added at any time at the 2 year 61-120 threshold rate level.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.14 DS1 Term Volume Plan (TVP) (Cont'd)

(I) Penalties for Failing To Meet Commitment

When the number of TVP DS1 SALs at the annual review is less than the commitment quantity minus 3%, the penalty will be the lowest TVP rate for the current threshold multiplied by the shortfall multiplied by 4 months.

For example, if the commitment quantity is 100 and the customer has 90 DS1 TVP SALs at the time of the annual review, the penalty described below will be applied to the shortfall difference of 97 (3% less than 100), and 90.

- Current threshold level is 61-120, 5 Year term
- In-service quantity at annual review = 90
- Shortfall is 97 - 90 = 7
- Penalty is calculated as follows:

$\$170.00 * 7 * 4 \text{ months} = \$4,760.00 \text{ penalty}$

(J) TVP Nonrecurring Charge

Customers subscribing to a TVP will be assessed a nonrecurring charge per DS1 SAL except when converting standard month-to-month DS1 SALs to a TVP.

(K) Changes in Length of a TVP Period

Prior to the expiration of a TVP period, the customer may elect to convert to a new TVP period of the same or different length, subject to the following conditions:

- no credit will be given for the new payment period for payments made under the original TVP arrangement
- NRCs will not be reapplied for existing service(s)
- if the new TVP period is shorter in length than the time remaining under the existing TVP, the change to the new TVP period constitutes a disconnect of the existing TVP and termination liability charges will apply as set forth under 5.6.14(N).

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.14 DSL Term Volume Plan (TVP) (Cont'd)

(L) Renewal Options

At the expiration of a TVP period, the customer may select a new TVP period or convert to a month-to-month payment plan. If the customer fails to make this selection, the Telephone Company will notify the customer and continue two additional months of TVP billing. If the customer does not select a new payment plan within 60 days from the expiration date, billing will remain at the current threshold level and a new TVP period will begin based on the previously effective term and quantity commitment. All terms and conditions, including Termination Liabilities will apply to the new TVP period.

(M) Upgrade to Higher Speed Service

The customer may upgrade service to a higher speed during a TVP period. The upgraded service will be subject to all appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied for the decreased number of TVP SALs that are upgraded to a higher speed service.

- The customer must notify the Telephone Company in writing, in addition to the ASR.
- The higher speed service period must be equal to or longer in length than the time remaining under the TVP.
- The upgraded service remains connected at the same point(s) of termination.

(N) Termination Liability

When a TVP arrangement is discontinued prior to the end of the commitment period, termination liability charges, as set forth below, will apply based on the remainder of the TVP period in effect at the time of disconnect.

One Year TVP - 50% of any remaining portion of the first year's recurring charges.

Two Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second year, the customer will be liable for 5% of the total monthly recurring charges in that period.

Three Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 15% of the total monthly recurring charges in that time period.

(O) Termination Without Liability

During a TVP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the TVP arrangement without penalty or liability, unless the increase is a result of FCC action.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.15 E1 (2.048 Mbps) High Capacity Service

(A) Minimum Service Periods

E1 (2.048 Mbps) Service is offered under three minimum service periods, each with different rate levels. The minimum service periods are 1, 3 and 5 years. The customer must specify the minimum service period at the time the service is ordered.

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower monthly rate associated with a longer minimum service period. When the customer selects this option, he/she will receive full credit for the amount of time that the service was under the shorter minimum period. For example, if a customer ordered a one year minimum service period, then decided after six months to change to a three year minimum service period, the remaining obligation would be a period of 30 months. The new monthly recurring charges will apply beginning with the effective date of the new minimum service period.

(B) Expiration of Minimum Service Period

At the expiration of a minimum service period, the Telephone Company will continue to bill the customer for the same minimum service period rates unless the customer chooses to discontinue or converts to a different minimum service period.

When a customer retains E1 service(s) for the duration of a minimum service period, the termination liabilities expire. As long as the customer makes no physical changes to the configuration of service(s), the customer will no longer be liable for early termination discontinuance charges regardless of the minimum service period rate level.

(C) Discontinuance Without Liability - E1 Minimum Service Period

Should the recurring charges for a customer's E1 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at his/her option, terminate the E1 service without penalty or liability.

(D) Discontinuance With Liability - E1 Minimum Service Period

When E1 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the minimum service period. This charge will be based on the rates in effect at the time of disconnect. The customer's total liability is dependent upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the minimum service period times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

<u>Year in Which Service Is Discontinued</u>	<u>Liability Rate</u>
1	50%
2	35%
3	30%
4	25%
5	20%

For example, if a customer with a five year minimum service period discontinues E1 service after six months within the 4th year, the customer will be liable for 25% of the total monthly charges for six months, and 20% of the total monthly charges for the 5th year.

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations for Iowa Telecom (Cont'd)

5.6.15 E1 (2.048 Mbps) High Capacity Service (Cont'd)

(E) Notification of Discontinuance

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Telephone Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

5.6.16 (Reserved For Future Use)

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges For Iowa Telecom

5.7.1 Nonrecurring Charges

Special Access Ordering Charges

Design Change
Per ASR/Per Occurrence
(H28)

(USOC)
Jurisdiction

Iowa Telecom 27.00

(This page filed under Transmittal No. 1)

Issued: June 16, 2003

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges For Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities

(A) Standard Arrangements

(USOC)	<u>Special Transport</u> (Per Airline Mile) <u>Monthly Rate</u> (1LFSX)	<u>Nonrecurring</u> <u>Charge</u>	<u>Special Access Line</u>	
			<u>Two-Wire</u> <u>Monthly Rate</u>	<u>Four-Wire</u> <u>Monthly Rate</u>
			(EUC2X) (1XC2X) (X2W)	(EUC4X) (1XC4X) (X4W)
<u>Jurisdiction</u>				
Iowa Telecom	\$4.75	\$200.00	\$27.50 (R)	\$43.50 (R)

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges For Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements

	<u>Supplemental Features</u>	
	<u>Multipoint Data Bridging</u>	<u>Voice Conference Bridging</u>
	(Per Port)	(Per Port)
	Monthly	Monthly
	<u>Rate</u>	<u>Rate</u>
(USOC)	(B5NDJ)	(B5NVJ)
<u>Jurisdiction</u>		
Iowa Telecom	8.00	8.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

	<u>Supplemental Features</u>	
	<u>Alarm Distribution Bridging</u>	
	<u>Common Equipment</u>	<u>Per Two-Wire Port</u>
	<u>Monthly</u>	<u>Monthly</u>
(USOC)	<u>Rate</u>	<u>Rate</u>
	(BCNTA)	(CNLRX)
<u>Jurisdiction</u>		
Iowa Telecom	30.00	2.00

	<u>Supplemental Features</u>	
	<u>Conditioning Arrangements - Data</u>	
	<u>Type C</u>	<u>Type DA</u>
	<u>Monthly</u>	<u>Monthly</u>
(USOC)	<u>Rate</u>	<u>Rate</u>
	(X1CPT)	(XDCPT)
<u>Jurisdiction</u>		
Iowa Telecom	1.50	2.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges For Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

Supplemental Features
Conditioning Arrangements - Data
Type C - Improved

	<u>Monthly</u> <u>Rate</u>
(USOC)	(UHY)
	(UHW)
	(XCECM)
<u>Jurisdiction</u>	
Iowa Telecom	30.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges For Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

	<u>Supplemental Features</u> <u>Signaling Arrangement</u>	
	<u>Loop Signaling Range Extension, per SAL</u>	<u>Loop or E&M to SF, per SAL</u>
	<u>Monthly</u> <u>Rate</u> <u>(OSA)</u>	<u>Monthly</u> <u>Rate</u> <u>(OSB)</u>
(USOC)		
<u>Jurisdiction</u>		
Iowa Telecom	10.00	16.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

	<u>Supplemental Features Signaling Arrangement</u>	
	<u>E&M to DX, per SAL</u>	<u>E&M to Loop, per SAL</u>
(USOC)	Monthly <u>Rate</u> (OSC)	Monthly <u>Rate</u> (OSD)
<u>Jurisdiction</u>		
Iowa Telecom	14.00	12.00
	<u>Loop or E&M to PCM, per SAL</u>	<u>Automatic Ringdown, per SAL</u>
(USOC)	Monthly <u>Rate</u> (OSN)	Monthly <u>Rate</u> (XSSLR)
<u>Jurisdiction</u>		
Iowa Telecom	4.00	10.00
	<u>Echo Suppression, per circuit*</u>	<u>Echo Canceller, per circuit</u>
(USOC)	Monthly <u>Rate</u> (OE1)	Monthly <u>Rate</u> (ORJ)
<u>Jurisdiction</u>		
Iowa Telecom	30.00	85.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

	<u>Supplemental Features</u> <u>Voiceband Facility Switching Arrangement</u> Monthly Rate (UST)
(USOC)	
<u>Jurisdiction</u>	
Iowa Telecom	7.00

	<u>Supplemental Features</u>	
	<u>Improved Return Loss, Per SAL</u> Monthly Rate (IRL)	<u>Improved Termination Option, Per SAL</u> Monthly Rate (X4T)
(USOC)		
<u>Jurisdiction</u>		
Iowa Telecom	3.75	10.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.2 Voiceband Facilities (Cont'd)

(B) Optional Arrangements

Supplemental Features
Improved Equal Level Echo Path Loss, Per SAL

(USOC)	Monthly Rate (ORP)
--------	--------------------------

Jurisdiction

Iowa Telecom	3.75
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5.7.3 Program Audio Facilities

(A) Standard Arrangements (200 - 3500 Hz)

	<u>Special Transport</u> (Per Airline Mile)		<u>Special Access Line</u>		
	<u>(Monthly Rate)</u> (1LFSX)	<u>Daily Rate</u> (1LFSX)	<u>Nonrecurring</u> <u>Charge</u>	<u>Monthly</u> <u>Rate</u> (EUCXX)	<u>Daily Rate</u> (EUCXX)

(USOC)

<u>Jurisdiction</u>	15.42	1.54	200.00	46.39	4.64
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(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS

5.7 Rates and Charges for Iowa Telecom

5.7.3 Program Audio Facilities (Cont'd)

(B) Standard Arrangements - (100-5000 Hz)

(USOC)	<u>Special Transport</u> (Per Airline Mile)		<u>Special Access Line</u>		
	<u>Monthly Rate</u> (1LFSX)	<u>Daily Rate</u> (1LFSX)	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u> (EUCXX) (LCH)	<u>Daily Rate</u> (EUCXX) (LCH)
<u>Jurisdiction</u>					
Iowa Telecom	15.42	1.54	200.00	46.39	4.64

(C) Standard Arrangements - (50-8000 Hz)

(USOC)	<u>Special Transport</u> (Per Airline Mile)		<u>Special Access Line</u>		
	<u>Monthly Rate</u> (1LFSX)	<u>Daily Rate</u> (1LFSX)	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u> (EUCXX) (LCH)	<u>Daily Rate</u> (EUCXX) (LCH)
<u>Jurisdiction</u>					
Iowa Telecom	15.42	1.54	200.00	46.39	4.64

(D) Standard Arrangements - (50-15000 Hz)

(USOC)	<u>Special Transport</u> (Per Airline Mile)		<u>Special Access Line</u>		
	<u>Monthly Rate</u> (1LFSX)	<u>Daily Rate</u> (1LFSX)	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u> (EUCXX) (LCH)	<u>Daily Rate</u> (EUCXX) (LCH)
<u>Jurisdiction</u>					
Iowa Telecom	15.42	1.54	200.00	46.39	4.64

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.3 Program Audio Facilities (Cont'd)

(E) Optional Arrangements - (50-15000 Hz Facilities only)

(USOC)	<u>Supplemental Features</u>	
	<u>Conditioning - Program Audio</u>	
	<u>Stereo Conditioning, per occurrence</u>	
	<u>Monthly</u>	<u>Daily</u>
	<u>Rate</u>	<u>Rate</u>
	<u>(XSC)</u>	<u>(XSC)</u>
<u>Jurisdiction</u>		
Iowa Telecom	1.00	.10

(F) Optional Arrangements - (All Bandwidths)

(USOC)	<u>Supplemental Features</u>	
	<u>Program Audio Bridging, Per Port</u>	
	<u>Monthly</u>	<u>Daily</u>
	<u>Rate</u>	<u>Rate</u>
	<u>(BCNPT)</u>	<u>(BCNPT)</u>
<u>Jurisdiction</u>		
Iowa Telecom	1.00	.10

(USOC)	<u>Conditioning Program Audio - Zero Loss, Per SAL</u>	
	<u>Monthly</u>	<u>Daily</u>
	<u>Rate</u>	<u>Rate</u>
	<u>(XZB)</u>	<u>(XZB)</u>
<u>Jurisdiction</u>		
Iowa Telecom	12.00	1.20

(This page filed under Transmittal No. 1)

Issued: June 16, 2004

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.4 Video Facilities

(A) Temporary Videoband Service - Type I

(USOC)	Nonrecurring		Hourly Rates,		Technician Standby Per Hour (ALV)
	<u>Per Hop Permanent Facilities (VBP)</u>	<u>Per Hop Nonpermanent Facilities (VBN)</u>	<u>Per Hour, Permanent Facilities (VBP)</u>	<u>Per Hop Nonpermanent Facilities (VBN)</u>	
<u>Jurisdiction</u>			(1)	(2)	
Iowa Telecom	ICB	ICB	(1)	(2)	ICB

(1) Provisioned as set forth in accordance with Special Construction in Section 10.
(2) Provisioned as set forth in accordance with Special Access ICB's in Section 5.9.

(B) (Reserved For Future Use)

5.7.5 Digital Data Service Facilities
(2.4, 4.8, 9.6, 19.2, 56, 64 Kbps)

(A) Standard Arrangements

(USOC)	<u>Special Transport</u>	<u>Special Access Line</u>		
	<u>All Speeds (Per Airline Mile) Monthly Rate (1LFSX)</u>	<u>All Speeds Nonrecurring Charge (NRBDD)</u>	<u>2.4, 4.8, 9.6, 19.2 Kbps Monthly Rate (EUCXX) (LCH)</u>	<u>56, 64 Kbps Monthly Rate (EUCXX) (LCH)</u>
<u>Jurisdiction</u>				
Iowa Telecom	\$6.73	\$250.00	\$97.00 (I)	\$97.00 (I)

(This page filed under Transmittal No. 46)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.5 Digital Data Service Facilities
(2.4, 4.8, 9.6, 19.2, 56, 64 Kbps)

(B) DDS Optional Payment Plan

	<u>All Speeds Nonrecurring Charge</u>	<u>Special Access Line</u> 2.4, 4.8, 9.6, 19.2 Kbps		
		<u>Monthly Rates</u>		
(USOC)		(SLHF1) (LCYF1)	(SLHF3) (LCYF3)	(SLHF5) (LCYF5)
<u>Jurisdiction</u>		<u>1 Year MRC</u>	<u>3 Year MRC</u>	<u>5 Year MRC</u>
Iowa Telecom	0.00	78.00	68.00	65.80

	<u>1 Year MRC</u> (SLHF1) (LCYF1)	<u>Special Access Line</u> 56, 64 Kbps	
		<u>Monthly Rate</u>	
(USOC)		<u>3 Year MRC</u> (SLHF3) (LCYF3)	<u>5 Year MRC</u> (SLHF5) (LCYF5)
<u>Jurisdiction</u>			
Iowa Telecom	95.21	85.21	84.80

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.5 Digital Data Service Facilities (Cont'd)

(C) Optional Arrangements

	<u>Supplemental Features</u>	
	<u>DDS Bridging (Per Port)</u>	<u>Secondary Channel</u>
	Monthly	Monthly
	<u>Rate</u>	<u>Rate</u>
(USOC)	(BCNDA)	(SCA24)
		(SCA48)
		(SCA96)
		(SCA56)
<u>Jurisdiction</u>		
Iowa Telecom	\$11.00	NA

5.7.6 Multiplexing Arrangements

	<u>Nonrecurring</u>	<u>DS1 to Voice</u>	
	<u>Charge</u>		<u>Monthly</u>
(USOC)			<u>Rate</u>
			(MQ1)
			(MQJ++)
<u>Jurisdiction</u>			
Iowa Telecom	\$800.00		\$168.58

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.6 Multiplexing Arrangements (Cont'd)

(USOC)	<u>DS3 to DS1 and/or E1**</u>	
	<u>Nonrecurring Charge</u>	<u>Monthly Rate (MQ3)</u>
<u>Jurisdiction</u>		
Iowa Telecom	\$450.00	\$500.00

** Where E1 service is available.

(USOC)	<u>Digital Data Carrier Multiplexer</u>	
	<u>Nonrecurring Charge</u>	<u>Monthly Rate (QMU)</u>
<u>Jurisdiction</u>		
Iowa Telecom	\$1,500.00	\$275.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.6 Multiplexing Arrangements (Cont'd)

	<u>Digital Data Subrate Multiplexer</u>			
	<u>One DSO to Twenty 2.4 Kbps</u>		<u>One DSO to Ten 4.8 Kbps</u>	
(USOC)	<u>Nonrecurring Charge</u>	<u>Monthly Rate (QSU24)</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate (QSU48)</u>
<u>Jurisdiction</u>				
Iowa Telecom	800.00	160.00	800.00	120.00

(This page filed under Transmittal No. 1)

Issued: September 16, 2003

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rates and Charges for Iowa Telecom (Cont'd)

5.7.6 Multiplexing Arrangements (Cont'd)

	<u>Digital Data Subrate Multiplexer</u> <u>One DSO Port to Five 9.6 Kbps</u>	
(USOC)	<u>Nonrecurring</u> <u>Charge</u>	<u>Monthly</u> <u>Rate</u> (QSU96)
<u>Jurisdiction</u>		
Iowa Telecom	800.00	100.00

5.7.7 High Capacity DS1 (1.544 Mbps) Facilities

(A) Standard Arrangements

	<u>Special Access Line</u>	
(USOC)	<u>Nonrecurring</u> <u>Charge</u>	<u>Monthly</u> <u>Rate</u> (EUW) (1XCDX)
<u>Jurisdiction</u>		
Iowa Telecom	350.00	253.70 (R)

(This page filed under Transmittal No. 40)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.7 High Capacity Digital DS1 (1.544 Mbps) Facilities (Cont'd)

(A) Standard Arrangements (Cont'd)

(USOC)	<u>Special Transport Termination</u> <u>Monthly Rate</u> (TRG)	<u>Special Transport (Per Airline Mile)</u> <u>Monthly Rate</u> (1LFSX)
<u>Jurisdiction</u>		
Iowa Telecom	\$15.00	\$11.56 (I)

(B) Optional Arrangements

(USOC)	<u>Supplemental Features</u> <u>Automatic Protection Switching</u> Nonrecurring <u>Charge</u>	<u>Monthly</u> <u>Rate</u> (APP)
<u>Jurisdiction</u>		
Iowa Telecom	700.00	100.00

5.7.8 (Reserved For Future Use)

5.7.9 (Reserved For Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.10 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three System

(A) Protected DS3 - With Telephone Company Electronics

First Special Access Line

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Three Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Five Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Seven Year Monthly Rate</u> (EU4PF) (1CKPF)
(USOC)					
<u>Jurisdiction</u>					
Iowa Telecom	2,500.00	2,345.00 (R)	2,140.00	1,660.00	1,300.00

(A) Protected DS3 - Without Telephone Company Electronics

First Special Access Line

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Three Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Five Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Seven Year Monthly Rate</u> (EU4MF) (1CKMF)
(USOC)					
<u>Jurisdiction</u>					
Iowa Telecom	1,875.00	1,836.00	1,662.00	1,222.00	1,004.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.10 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three System (Cont'd)

(A) Protected DS3 - With Telephone Company Electronics

Each Additional Special Access Line - Maximum of 2

(USOC)	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Three Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Five Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Seven Year Monthly Rate</u> (EU4SX) (1CKSX)
<u>Jurisdiction</u>					
Iowa Telecom	1,000.00	1,777.50	1,605.00	1,245.00	975.00

(A) Protected DS3 - Without Telephone Company Electronics

Each Additional Special Access Line - Maximum of 2

(USOC)	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Three Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Five Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Seven Year Monthly Rate</u> (EU4NX) (1CKNX)
<u>Jurisdiction</u>					
Iowa Telecom	750.00	1,377.00	1,246.50	916.50	753.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.11 High Capacity Digital DS3 (44.736 Mbps) Facilities - Unlimited System

(A) Protected DS3 - With Telephone Company Electronics

First Special Access Line

(USOC)	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Three Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Five Year Monthly Rate</u> (EU4PF) (1CKPF)	<u>Seven Year Monthly Rate</u> (EU4PF) (1CKPF)
<u>Jurisdiction</u>					
Iowa Telecom	4,500.00	6,471.75	5,510.00	4,985.25	4,547.75

(A) Protected DS3 - Without Telephone Company Electronics

(USOC)	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Three Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Five Year Monthly Rate</u> (EU4MF) (1CKMF)	<u>Seven Year Monthly Rate</u> (EU4MF) (1CKMF)
<u>Jurisdiction</u>					
Iowa Telecom	3,375.00	4,405.25	3,750.25	3,393.25	3,095.50

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.11 High Capacity Digital DS3 (44.736 Mbps) Facilities - Unlimited System
(Cont'd)

(A) Protected DS3 - With Telephone Company Electronics

Each Additional Special Access Line

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Three Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Five Year Monthly Rate</u> (EU4SX) (1CKSX)	<u>Seven Year Monthly Rate</u> (EU4SX) (1CKSX)
(USOC)					

Jurisdiction

Iowa Telecom	1,000.00	800.00	727.75	569.25	412.25
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(A) Protected DS3 - Without Telephone Company Electronics (Cont'd)

Each Additional Special Access Line

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Three Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Five Year Monthly Rate</u> (EU4NX) (1CKNX)	<u>Seven Year Monthly Rate</u> (EU4NX) (1CKNX)
(USOC)					

Jurisdiction

Iowa Telecom	750.00	772.00	705.75	544.50	407.50
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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.12 High Capacity Digital DS3 (44.736 Mbps) Facilities - Individual System

(A) Protected DS3 Individual - With Telephone Company Electronics

		<u>Each Special Access Line</u>				
	<u>Nonrecurring Charge</u>	One Year Monthly <u>Rate</u> (EU4PF) (1CKPF)	Three Year Monthly <u>Rate</u> (EU4PF) (1CKPF)	Five Year Monthly <u>Rate</u> (EU4PF) (1CKPF)	Seven Year Monthly <u>Rate</u> (EU4PF) (1CKPF)	
(USOC)						
<u>Jurisdiction</u>						
Iowa Telecom	1,000.00	1,750.00	1,343.50	1,166.00	1,004.00	

(A) Protected DS3 Individual - Without Telephone Company Electronics

	<u>Nonrecurring Charge</u>	One Year Monthly <u>Rate</u> (EU4MF) (1CKMF)	Three Year Monthly <u>Rate</u> (EU4MF) (1CKMF)	Five Year Monthly <u>Rate</u> (EU4MF) (1CKMF)	Seven Year Monthly <u>Rate</u> (EU4MF) (1CKMF)
(USOC)					
<u>Jurisdiction</u>					
Iowa Telecom	750.00	1,312.50	1,031.50	880.75	754.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.13 High Capacity Digital DS3 (44.736 Mbps) Facilities - Group Systems#

(A) Protected DS3 x 12 - With Telephone Company Electronics#

		<u>Per Group of 12#</u>			
	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4VX) (1CKVX)	<u>Three Year Monthly Rate</u> (EU4VX) (1CKVX)	<u>Five Year Monthly Rate</u> (EU4VX) (1CKVX)	<u>Seven Year Monthly Rate</u> (EU4VX) (1CKVX)
(USOC)					
<u>Jurisdiction</u>					
Iowa Telecom	7,000.00	8,450.00	7,000.00	5,300.00	4,500.00

(A) Protected DS3 x 12 - Without Telephone Company Electronics#

		<u>Per Group of 12#</u>			
	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u> (EU4YX) (1CKYX)	<u>Three Year Monthly Rate</u> (EU4YX) (1CKYX)	<u>Five Year Monthly Rate</u> (EU4YX) (1CKYX)	<u>Seven Year Monthly Rate</u> (EU4YX) (1CKYX)
(USOC)					
<u>Jurisdiction</u>					
Iowa Telecom	5,250.00	6,337.50	5,250.00	3,975.00	3,375.00

Limited to those services so equipped and in service as of March 4, 1999, provided by the Telephone Company's predecessor, GTE Telephone Operating Companies.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.13 High Capacity Digital DS3 (44.736 Mbps) Facilities - Group Systems (Cont'd)#

(B) Protected DS3 x 24 - With Telephone Company Electronics#

(USOC)	<u>Nonrecurring Charge</u>	<u>Per Group of 24#</u>			
		<u>One Year Monthly Rate</u> (EU4WX) (1CKWX)	<u>Three Year Monthly Rate</u> (EU4WX) (1CKWX)	<u>Five Year Monthly Rate</u> (EU4WX) (1CKWX)	<u>Seven Year Monthly Rate</u> (EU4WX) (1CKWX)
<u>Jurisdiction</u> Iowa Telecom	12,000.00	14,500.00	12,000.00	9,000.00	7,800.00

(B) Protected DS3 x 24 - Without Telephone Company Electronics#

(USOC)	<u>Nonrecurring Charge</u>	<u>Per Group of 24#</u>			
		<u>One Year Monthly Rate</u> (EU4ZX) (1CKZX)	<u>Three Year Monthly Rate</u> (EU4ZX) (1CKZX)	<u>Five Year Monthly Rate</u> (EU4ZX) (1CKZX)	<u>Seven Year Monthly Rate</u> (EU4ZX) (1CKZX)
<u>Jurisdiction</u> Iowa Telecom	9,000.00	10,875.00	9,000.00	6,750.00	5,850.00

Limited to those services so equipped and in service as of March 4, 1999, provided by the Telephone Company's predecessor, GTE Telephone Operating Companies.

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.14 High Capacity Digital DS3 (44.736 Mbps) Facilities - Special Transport
(Cont'd)

(A) DS3 Special Transport Terminations

(USOC)	3 System, Unlimited System, Individual Transport Per DS3 Per Termination <u>Monthly Rate#</u> TRG	12 Group System Transport Per Group of 12, Per Termination <u>Monthly Rate</u> TS31X	24 Group System Transport Per Group of 24, Per Termination <u>Monthly Rate</u> TS32X
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Jurisdiction

Iowa Telecom	\$403.00 (R)	\$2,500.00	\$4,500.00
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Limited to those services so equipped and in service as of March 4, 1999,
provided by the Telephone Company's predecessor, GTE Telephone Operating Companies.

(B) DS3 Special Transport Terminations

(USOC)	3 System, Unlimited System, Individual Transport Per DS3, Per Airline Mile <u>Monthly Rate#</u> TRG	12 Group System Transport Per Group of 12, Per Airline Mile <u>Monthly Rate#</u> TS31X	24 Group System Transport Per Group of 24, Per Airline Mile <u>Monthly Rate#</u> 1J52S
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Jurisdiction

Iowa Telecom	\$26.19 (R)	215.00	300.00
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Limited to those services so equipped and in service as of March 4, 1999,
provided by the Telephone Company's predecessor, GTE Telephone Operating Companies.

5.7.15 High Capacity Digital DS3 (44.736 Mbps) Facilities

DS3 Multiplexer Cross Connect Arrangement, Per Arrangement, Per Arrangement

Nonrecurring Charge

(USOC)
Jurisdiction

Iowa Telecom	65.00
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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.16 Four-Wire Voiceband and Digital Data Service (DDS) Rate Stability Plan (RSP)

(A) Rates

	<u>RSP Monthly Recurring Charge</u>				<u>DDS</u>	
	<u>Special Access Lines</u>					
	<u>Four-Wire Voiceband</u>		<u>(2.4, 4.8, 9.6, 19.2 Kbps)</u>		<u>(56, 64* Kbps)</u>	
(USOC)	<u>3 Year</u> (EU4RX) (1CKRX)	<u>5 Year</u> (EU4QX) (1CKQX)	<u>3 Year</u> (EU4RX) (1CKRX)	<u>5 Year</u> (EU4QX) (1CKQX)	<u>3 Year</u> (EU4RX) (1CKRX)	<u>5 Year</u> (EU4QX) (1CKQX)

Jurisdiction

Iowa Telecom	42.00 (R)	40.00 (R)	63.84	60.80	83.79	79.80
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- Special Transport
(Per Airline Mile)

	<u>Voiceband</u>		<u>DDS</u> (All Speeds)	
(USOC)	<u>3 Year</u> (1LFRX)	<u>5 Year</u> (1LFQX)	<u>3 Year</u> (1LFRX)	<u>5 Year</u> (1LFQX)

Jurisdiction

Iowa Telecom	2.76	2.61	2.76	2.61
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5.7.17 [Reserved for Future Use]

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.18 DS1 Term Volume Plan (TVP)

		(A) <u>Special Access Line, Per DS1 SAL</u>		
		(1) <u>One Year Term</u>		<u>Monthly Rate</u>
		<u>Monthly Rate</u>	<u>DS1 SAL Threshold Levels</u>	
			<u>(1X7VX)</u> <u>(EU7VX)</u>	
(USOC)	<u>Nonrecurring Charge,</u>			
	<u>All Thresholds</u>	<u>2-60</u>	<u>61-120</u>	<u>121-240</u>
<u>Jurisdiction</u>				
Iowa Telecom	350.00 (R)	205.00	195.00	185.00

		<u>Monthly Rate</u>					
		<u>DS1 SAL Threshold Levels</u>					
		<u>(1X7VX)</u> <u>(EU7VX)</u>					
(USOC)							
<u>Jurisdiction</u>		<u>241-500</u>	<u>501-1000</u>	<u>1001-3000</u>	<u>3001-6000</u>	<u>6001-11,000</u>	<u>Over 11,000</u>
Iowa Telecom		175.00	173.00	171.00	169.00	167.00	165.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.18 DS1 Term Volume Plan (TVP) (Cont'd)

(A) Special Access Line, Per DS1 SAL (Cont'd)

(2) Two Year Term Monthly Rate
DS1 SAL
Threshold Levels
(1X7VX)
(EU7VX)

(USOC)					
<u>Jurisdiction</u>	<u>Nonrecurring Charge,</u> <u>All Thresholds</u>	<u>2-60</u>		<u>61-120</u>	<u>121-240</u>
Iowa Telecom	350.00 (R)	195.00		185.00	175.00

Monthly Rate
DS1 SAL
Threshold Levels
(1X7VX)
(EU7VX)

(USOC)						
<u>Jurisdiction</u>	<u>241-500</u>	<u>501-1000</u>	<u>1001-3000</u>	<u>3001-6000</u>	<u>6001-11,000</u>	<u>Over 11,000</u>
Iowa Telecom	165.00	163.00	161.00	159.00	157.00	155.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.18 DS1 Term Volume Plan (TVP) (Cont'd)

(A) Special Access Line, Per DS1 SAL (Cont'd)

	(3) <u>Three Year Term</u>		<u>Monthly Rate</u> DS1 SAL <u>Threshold Levels</u> (1X7VX) (EU7VX)	
(USOC)				
<u>Jurisdiction</u>	<u>Nonrecurring Charge,</u> <u>All Thresholds</u>	<u>2-60</u>	<u>61-120</u>	<u>121-240</u>
Iowa Telecom	350.00 (R)	185.00	175.00	165.00

	<u>Monthly Rate</u> DS1 SAL <u>Threshold Levels</u> (1X7VX) (EU7VX)					
(USOC)						
<u>Jurisdiction</u>	<u>241-500</u>	<u>501-1000</u>	<u>1001-3000</u>	<u>3001-6000</u>	<u>6001-11,000</u>	<u>Over 11,000</u>
Iowa Telecom	155.00	153.00	151.00	149.00	147.00	145.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.18 DS1 Term Volume Plan (TVP) (Cont'd)

(A) Special Access Line, Per DS1 (Cont'd)

	(4) <u>Five Year Term</u>	<u>Monthly Rate</u>				
		<u>DS1 SAL</u>				
		<u>Threshold Levels</u>				
(USOC)		<u>(1X7VX)</u>				
		<u>(EU7VX)</u>				
<u>Jurisdiction</u>	<u>Nonrecurring Charge,</u> <u>All Thresholds</u>	<u>2-60</u>		<u>61-120</u>		<u>121-240</u>
Iowa Telecom	350.00 (R)	165.00		155.00		145.00
		<u>Monthly Rate</u>				
		<u>DS1 SAL</u>				
		<u>Threshold Levels</u>				
(USOC)		<u>(1X7VX)</u>				
		<u>(EU7VX)</u>				
<u>Jurisdiction</u>	<u>241-500</u>	<u>501-1000</u>	<u>1001-3000</u>	<u>3001-6000</u>	<u>6001-11,000</u>	<u>Over 11,000</u>
Iowa Telecom	133.00	131.00	129.00	127.00	125.00	123.00

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges for Iowa Telecom (Cont'd)

5.7.19 (Reserved for Future Use).

5.8

5.8.1 (Reserved for Future Use)

5.8.2 (Reserved for Future Use)

5.8.3 (Reserved for Future Use)

5.8.4 (Reserved for Future Use)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.8 Miscellaneous Special Access Services for Iowa Telecom

5.8.5 Clear Channel Capability (USOC - CCO)

(A) Description of Service

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe Format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. The installation interval for Clear Channel Capability may exceed standard intervals where equipment in the central office is not readily available. The charges apply on a per SAL basis. Clear Channel Capability for DS1 is provided under Section 11.8.3(H) to the Federal Government.

This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence, as described in ANSI T1.102-1987 and Section 6103 of the GTE Technical Interface Reference Manual.

(B) Rates

(USOC)	Nonrecurring <u>Charge</u>	Monthly <u>Rate</u> (CCO)
<u>Jurisdiction</u>		
Iowa Telecom	350.00	.00 (R)

5.9 Individual Case Basis Rates and Charges

NONE CURRENTLY IN EFFECT

5.10 (Reserved for Future Use)

5.11 (Reserved for Future Use)

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