ACCESS SERVICE

7. Special Access Service

The following list matches the Company's Basic Service Element (BSE) names to the industry standard names for each BSE.

Company Names	Generic Name of ONA Service
Bridging - Central Office Bridging Capability - Telegraph Bridging	Bridging
Clear Channel Capability on 1.544 Mbps	Access To Clear Channel Transmission
Conditioning	Conditioning
Extended Superframe Format Conditioning	Extended Superframe Conditioning
Multiplexing - Central Office Multiplexing	Multiplexing - Digital
Secondary Channel Capability	Secondary Channel Capability

7.1 Service Provisioning

Special Access Service includes all exchange access not utilizing Company end office switches.

Special Access Service, with the exception of Network Reconfiguration Service provides a transmission path connecting customer-designated premises*, either directly or through a Company Hub where bridging, multiplexing, Network Reconfiguration Service functions are performed. Network Reconfiguration Service, as set forth in Section 15 (Network Management Services), works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Company Centrex CO-like switches and Company Answering Service Concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Guidebook.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.1 Types of Service Configurations

There are types of service configurations over which Special Access Services are provided, as shown following.

(A) Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a hub where multiplexing or Network Reconfiguration Service functions are performed.

(B) Multipoint Service

Multipoint service connects three or more customer-designated premises through a Company Hub.

Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.3 (Service Descriptions, Rates and Charges).

There is no limitation on the number of mid-links (channels between hubs) available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.3 (Service Descriptions, Rates and Charges), will be provided when technically possible. If the Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.1 Types of Service Configurations (cont'd)

(C) Multiplexed Service

Multiplexed service is an arrangement that allows the conversion of Voice Grade, Analog, and Digital High Capacity facilities to lower capacity or bandwidth. The types of multiplexing available are as follows:

(1) Voice Grade to Telegraph (43 Type Carrier)

An arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing.

(2) High Capacity (DS1) to Voice Grade

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade services. A channel of this DS1 to the hub can also be used for MegaLink Data, Program Audio[1] or Metallic service. (N)

(3) High Capacity (DS1) to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 Kbps channels utilizing digital time division multiplexing.

(4) High Capacity DS0 to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

(5) DS0 to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

(D) Reserved for Future Use

(E) Service to Service Through Connect Arrangement

The Service to Service Through Connect Arrangement rate element provides for an interconnection of like services in a Company Hub or serving wire center.

[1] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.2 Types of Channels

For the purpose of ordering, there are seven categories (channel types) of Special Access Service. These are as follows:

Metallic
Telegraph Grade
Voice Grade
Program Audio[(1)] (N)
MegaLink Data
High Capacity

Detailed descriptions of each of the channel types are provided in 7.3 (Service Descriptions, Rates and Charges).

7.1.3 Hubs

(A) General

A hub is a Company designated serving wire center at which bridging, multiplexing or Network Reconfiguration Service functions are performed.

The bridging functions (1) connect three or more customer-designated premises in a multipoint arrangement, (2) connect full-time and/or part-time video services as set forth in 7.3.6, or (3) reterminate Network Reconfiguration Service, as set forth in Section 15 (Network Management Services).

The multiplexing functions channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Some of the types of multiplexing available include the following:

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

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.3 Hubs (cont'd)

(A) General (cont'd)

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer-designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

Cascading multiplexing occurs when a High Capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed.

- The Network Reconfiguration Service Offering allows the customer to reconfigure their Special Access Services.

(B) Types of Hubs

There are two types of bridging hubs and three types of multiplexing hubs. Bridging hubs are either intermediate or terminus. Multiplexing hubs are intermediate, super intermediate or terminus. The definitions for these hubs are as follows:

(1) Intermediate Bridging Hub

An intermediate bridging hub provides for the connection of three or more customer-designated premises to form a Special Access multipoint service serving itself and a specified number of subtending wire centers.

Single office(s), subtending from different intermediate bridging hubs, that are to be bridged with multiple offices subtending from a common intermediate bridge will be bridged with the multiple offices at the common bridging hub.

(2) Terminus Bridging Hub

A terminus bridging hub provides for the connection of three or more customer-designated premises to form a Special Access multipoint service within that bridging hub. For the purpose of multipoint service, the only instance when a terminus bridging hub may be connected to another office will be to interconnect to another bridging office when a bridging function is being performed.

ACCESS SERVICE

7. Special Access Service (cont'd)
7.1 Service Provisioning (cont'd)
7.1.3 Hubs (cont'd)

(B) Types of Hubs (cont'd)

(3) Intermediate Multiplexing Hub

An intermediate multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade channels, serving itself and a specified number of subtending wire centers.

(4) Super Intermediate Multiplexing Hub

A super intermediate multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade channels, serving itself and/or subtending wire centers in an entire LATA, or one or more Numbering Plan Areas (NPAs).

(5) Terminus Multiplexing Hub

A terminus multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade channels, serving customers in that wire center only.

7.1.4 Ordering Options and Provisions

Each channel type is identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Guidebook, there is no restriction against doing so.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces to meet specific communications requirements.

Additionally, the customer may specify optional features and BSEs for the individual channels derived from the facility to further tailor the channels to meet specific communications requirements. Descriptions of the optional features, BSEs and functions available are set forth in 7.3 (Service Descriptions, Rates and Charges).

The customer has the option of ordering Voice Grade and High Capacity (digital) facilities (i.e., DS1 or DS3) to a Company Facility Hub for multiplexing to individual channels of lower capacity or bandwidth (i.e., Telegraph, Voice, Program Audio[1], etc.). 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 7.3 (Service Descriptions, Rates and Charges). (N)

[1] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.4 Ordering Options and Provisions (cont'd)

For example, a customer may order a 1.544 Mbps facility from a customer-designated premises to a Company Hub for multiplexing to Voice Grade channels, which may be extended to other customer-designated premises. Optional features and BSEs may be added to either the 1.544 Mbps or the Voice Grade channels.

When ordering multipoint service, bridging or multiplexing, the customer will select the designated bridging hub(s) for his serving wire center from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 and will select the appropriate subtending wire centers from the Subtending Wire Center Section of F.C.C. No. 4. Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location, while multiplexing from digital to analog may occur at a different location.

Special Access Service is ordered under the Access Order provisions set forth in Section 5 (Ordering for Access Service). Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.). Ordering provisions as set forth in 2.6 (Jointly Provided Access Services) will apply when more than one Exchange Company is involved.

7.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Company will make such special arrangements available on an individual case basis as set forth in Section 12 (Specialized Service or Arrangements).

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 Service Provisioning (cont'd)

7.1.7 Acceptance Testing

Testing and test results are available at the customer's request ,as follows:

(A) At no additional charge, the Company will cooperatively test the following parameters at the time of installation:

(1) For Voice Grade analog services, acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade services, a balance test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.

(2) For other analog services (i.e., Metallic, Telegraph, Program Audio[1] and Video), acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service. (N)

(3) For digital services, acceptance tests will include tests applicable to the service as specified in the appropriate Technical References for MegaLink Data and High Capacity services.

(B) In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade and Digital services to test other parameters, as described in 13.3.7(A) (Additional Cooperative Acceptance Testing), is available.

7.1.8 Design Layout Report

At the request of the customer, the Company will provide the make-up of the facilities and services provided under this Guidebook as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever the facilities are materially changed.

[1] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that are applicable to Special Access Service.

Jurisdictional proration of rates and charges is set forth in 2.4 (Jurisdictional Report Requirements). Where Access Services are jointly provided, additional regulations are set forth in 2.6 (Jointly Provided Access Service).

7.2.1 Rate Elements

There are four basic rate elements which apply to Special Access Service.

Rates and charges (both monthly and nonrecurring) for Oklahoma will be applied as contained in Section 7.3.10 (High Capacity Service).

(A) Channel Termination

The Channel Termination rate element provides for the communications path between a customer-designated premises and the serving wire center of that premises, or for the communications path within a building which connects a customer's facilities with a customer-designated premises without routing through the serving wire center.

Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C), following.

One Channel Termination charge applies per customer-designated premises at which the channel is terminated. This charge will apply even if the customer-designated premises and the serving wire center are both located in the same Company building.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.1 Rate Elements (cont'd)

(B) Channel Mileage

The Channel Mileage rate element provides for the transmission facilities between the serving wire centers associated with two customer-designated premises, between a serving wire center associated with a customer-designated premises and a Company Hub, or between two Company Hubs or between a serving wire center associated with a customer designated premises and a WATS serving office.

A flat rate and a rate per mile apply to Channel Mileage.

(C) Optional Features, BSEs and Functions

The various Optional Features and Functions rate elements provide for optional features, BSEs and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics. Although the equipment necessary to perform a specified function may be installed at various locations along the path of service, it will be charged for as a single rate element.

Examples of Optional Features, BSEs and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

(D) Service to Service Through Connect Arrangement

The Service to Service Through Connect Arrangement rate element provides for an interconnection of like services in a Company Hub or serving wire center. The through connection is provided in conjunction with Voice Grade Analog, Program Audio[(1)], MegaLink Data and High Capacity services. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection. (N)

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.2 Monthly Rates

Monthly rates are flat recurring rates 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.

7.2.4 Nonrecurring Charges

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

- Installation of Service
- Installation of Optional Features, BSEs and Functions
- Installation of Service to Service Through Connect Arrangements
- Service Rearrangements.

(A) Installation of Service

Nonrecurring charges apply to each service installed. These charges are set forth in 7.3 (Service Descriptions, Rates and Charges) as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each Channel Termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each Channel Termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer-designated Premises

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.4 Nonrecurring Charges (cont'd)

(B) Installation of Optional Features, BSEs and Functions

Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio(1) Gain Conditioning (N)
- Program Audio(1) Stereo (N)
- MegaLink Data Loop Transfer Arrangement
- MegaLink Data Secondary Channel
- High Capacity Transfer Arrangement
- High Capacity Clear Channel Capability

(C) Installation of Service to Service Through Connect Arrangements

Nonrecurring charges apply for the work activity necessary to provide the intraoffice connection between dedicated, like services. The through connection is provided in conjunction with Voice Grade Analog, Program Audio(1), MegaLink Data, and High Capacity two-point services. (N)

(D) Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either (1) a change in the minimum period requirements as set forth in Section 5.3.4 (Minimum Period Requirements), or (2) a change in the physical location of the point of termination at a customer-designated premises.

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.4 Nonrecurring Charges (cont'd)

(D) Service Rearrangements (cont'd)

Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.2.7 (Moves) and 7.4(A) Service Facility Moves (SFM).

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

(1) Certain administrative changes will be made without charge to the customer. These administrative changes are as follows:

- Change of customer name, (i.e., the customer of record does not change but rather the customer of record changes its name--e.g., ABC Communications to All Business Concepts Communications).
- Change of customer's or customer's end user premises address when the change of address does not involve a physical relocation of the service.
- Change in billing data (name, address, contact name, or telephone number).
- Change of agency authorization.
- Change of customer test line number.
- Change of customer's or customer's end user contact name or contact telephone number.
- Change of jurisdiction.

(2) When a customer requests a change in the customer of record (i.e., existing access service is provided and billed to a different entity), a nonrecurring charge will apply. This change is considered an administrative service rearrangement when the new customer assumes liability for all current and prior charges for the service(s) and has complied with the regulations and conditions as set forth in 2.2.1 (Assignment and Transfer of Facilities) for the Assignment and Transfer of Facilities, and no physical relocation or rearrangement of the service is required.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.4 Nonrecurring Charges (cont'd)

(D) Service Rearrangements (cont'd)

(3) When a customer requests the following administrative changes, a nonrecurring charge will apply as set forth in 7.4(E) (Service Rearrangement Charge) per circuit on a first and additional basis for the following change or combination of changes requested on the same Access Order. Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same Access Order, one First nonrecurring charge will apply to a leg of the first multipoint service. One Additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same Access Order. The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

- Change of Access Carrier Name Abbreviation (ACNA).
- Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice grade circuits on one BAN).
- Change of customer Circuit Identification (CKR).

(4) When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the Access Order Charge will apply as set forth in 5.3.1 (Access Order Charge).

(5) If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the Channel Termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

(6) If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

(7) If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

(8) For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, and the retermination of circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer-designated premises, a serving wire center associated with a customer-designated premises and a Company Hub, two Company Hubs or a serving wire center associated with a customer-designated premises and the WATS serving office. The serving wire center associated with a customer-designated premises is the serving wire center from which the customer-designated premises would normally obtain dial tone.

To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, then find the band into which the computed mileage falls and apply the rate shown in 7.3 (Service Descriptions, Rates and Charges) for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates.

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer-designated premises serving wire center to hub, hub to hub and/or hub to customer-designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging, multiplexing, Network Reconfiguration Service, (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer-designated premises.

7.2.7 Moves

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

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

The charges are dependent on the type of move requested by the customer.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM)

An SFM is a customer-initiated move of one end of a Company central office distribution link (e.g., jumper cable, DSX patch cable, etc.) from one facility to another existing facility (of the same or higher transmission speed). All activity associated with the SFM must occur within a single Company location (central office).

In order to be considered an SFM, all associated order activity (disconnects and new connects) must occur simultaneously and the facility to which service is being moved must be existing and have sufficient capacity to accept the moved service.

An SFM may result in the change of one end point (i.e., customer premises location) of the circuit involved provided the following conditions are met:

(1) The change of customer premises can only occur on the end of the circuit which has the CFA.

(2) The customer premises locations involved in the change belongs to the same customer.

- or -

The customer premises locations involved in the change belongs to two different customers but the customer requesting the SFM has previously coordinated the activity such that all activity (disconnects and new connects) will occur simultaneously. If this coordination has not been accomplished beforehand, then the Company will proceed with the disconnect/new connect orders as non-related and new installation charges will apply for services being relocated.

On facility moves involving multiplexed (subtending) channels, SFMs shall be charged only for the higher level facility provided the entire facility (the full complement of subtending channels) is being moved concurrent to that particular SFM request. If the subtending channels are requested to be moved one at a time, the SFM will be charged on a per each channel moved basis.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

Example 1

An SFM is requested to move 20 DS1s, with subtending VG channels, to a DS3 facility (where the DS3 end of the channel is moving to a new customer premises location). The resulting SFM charge will be 20 DS1 to DS3 SFM charges with no SFM charges for the subtending VG channels.

Example 2

An SFM is requested to move a DS3, with subtending DS1 channels, to another DS3 facility (where there is no change in the customer premises location on the DS3 facility end of the circuit). The resulting SFM charge will be a DS3 to DS3 SFM with no SFM charges for the subtending DS1 channels.

Example 3

An SFM is requested to move 6 DS1s, with subtending VG channels, previously riding one DS3 facility to another DS3 facility. The resulting SFM charge would be (6) DS1 to DS3 SFMs with no SFM charges for the subtending VG channels.

SFMs may be performed at the following service levels:

- Analog*/MegaLink Data to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)

The charges for an SFM for the services shown above are detailed in 7.4(A) (SFMs), following. There will be no change in minimum period requirements.

The diagrams, following, illustrate typical service arrangements before and after an SFM has occurred.

* Analog services include: Metallic Service, Telegraph Grade Service, Voice Grade Service or Program Audio[(1)] Service. (N)

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

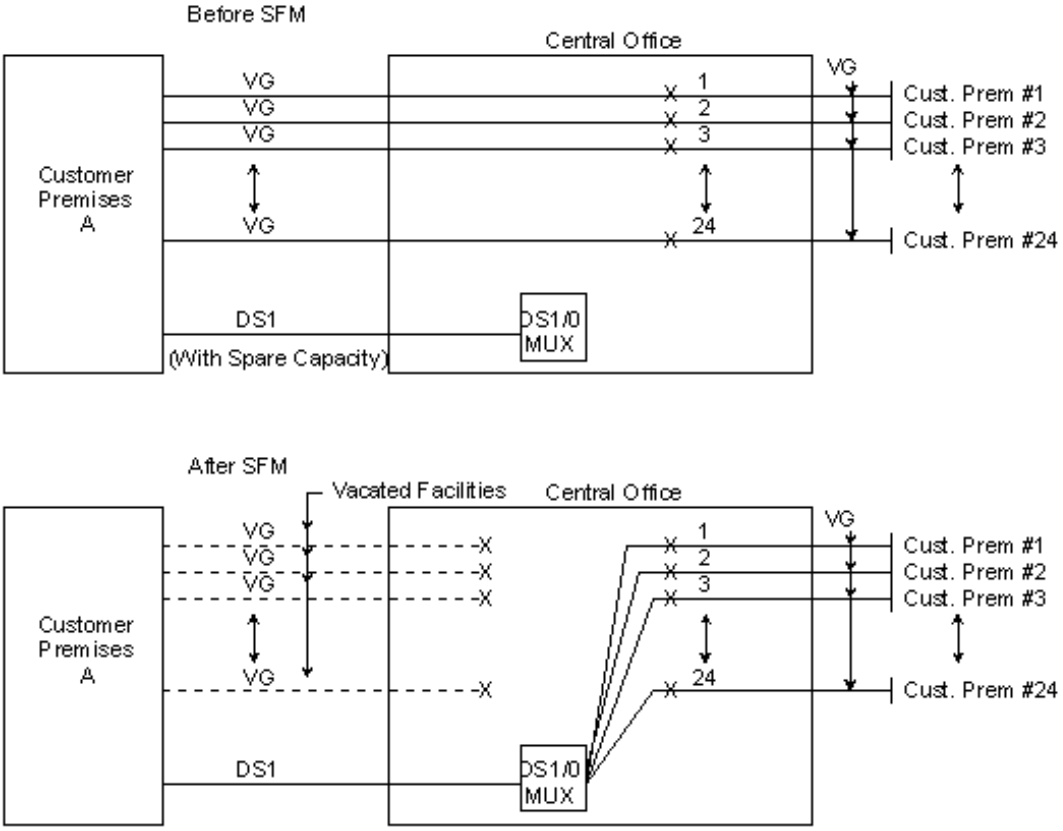
7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

EXAMPLE 1

MLD/VG to DS1 SFM - SAME CUSTOMER PREMISES
(All 24 Moved at Same Time)



ACCESS SERVICE

7. Special Access Service (cont'd)

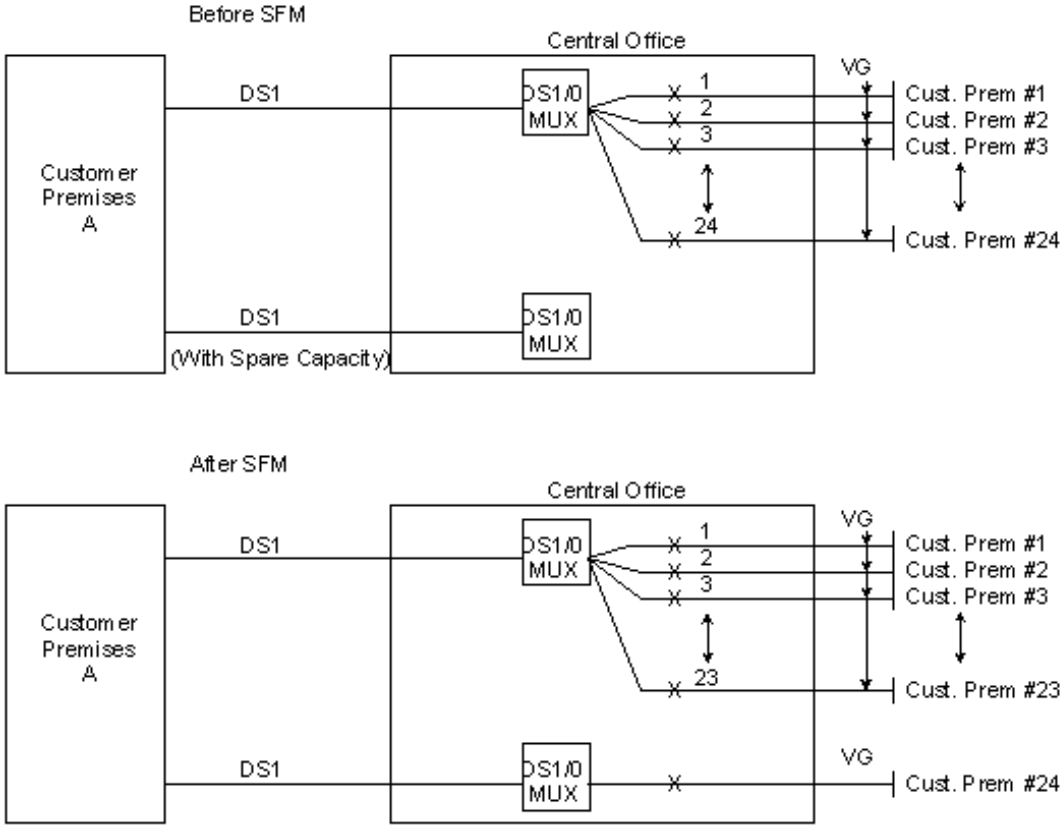
7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

EXAMPLE 2

MLD/VG to DS1 SFM - SAME CUSTOMER PREMISES
(Move one DDS/VG at a time)



ACCESS SERVICE

7. Special Access Service (cont'd)

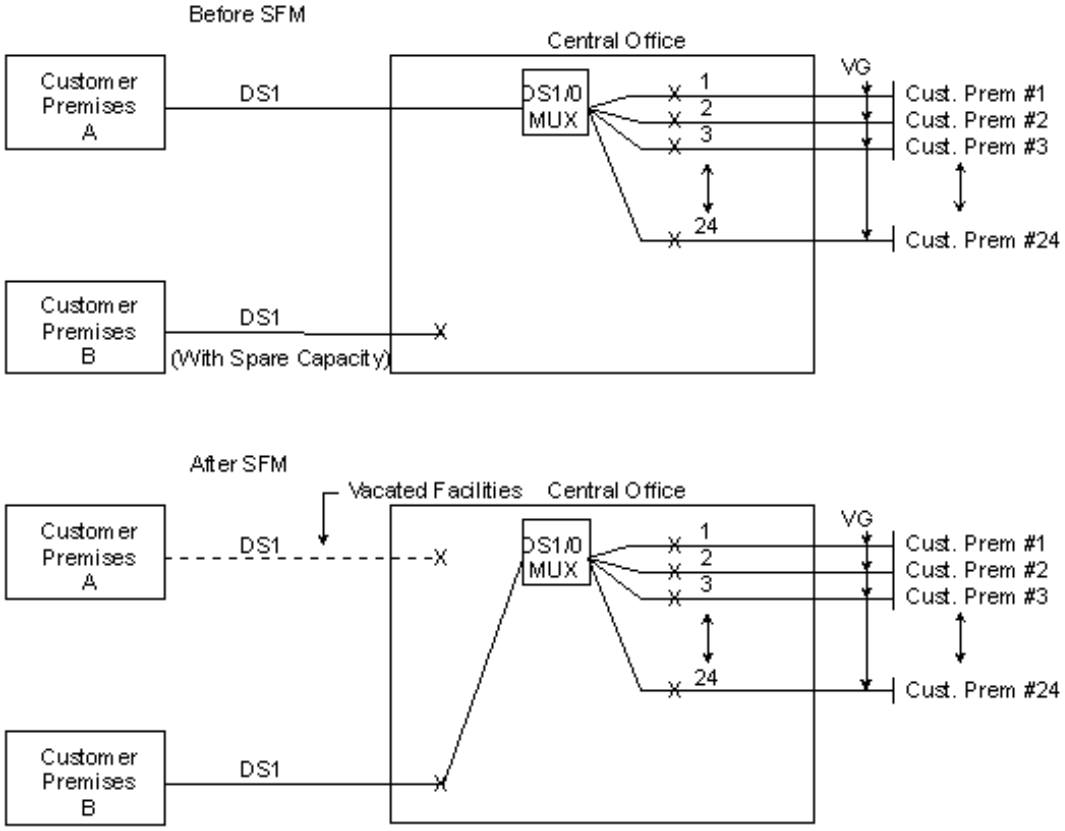
7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

EXAMPLE 3

MLD/VG to DS1 SFM -DIFFERENT CUSTOMER PREMISES
(All 24 Moved at Same Time)



ACCESS SERVICE

7. Special Access Service (cont'd)

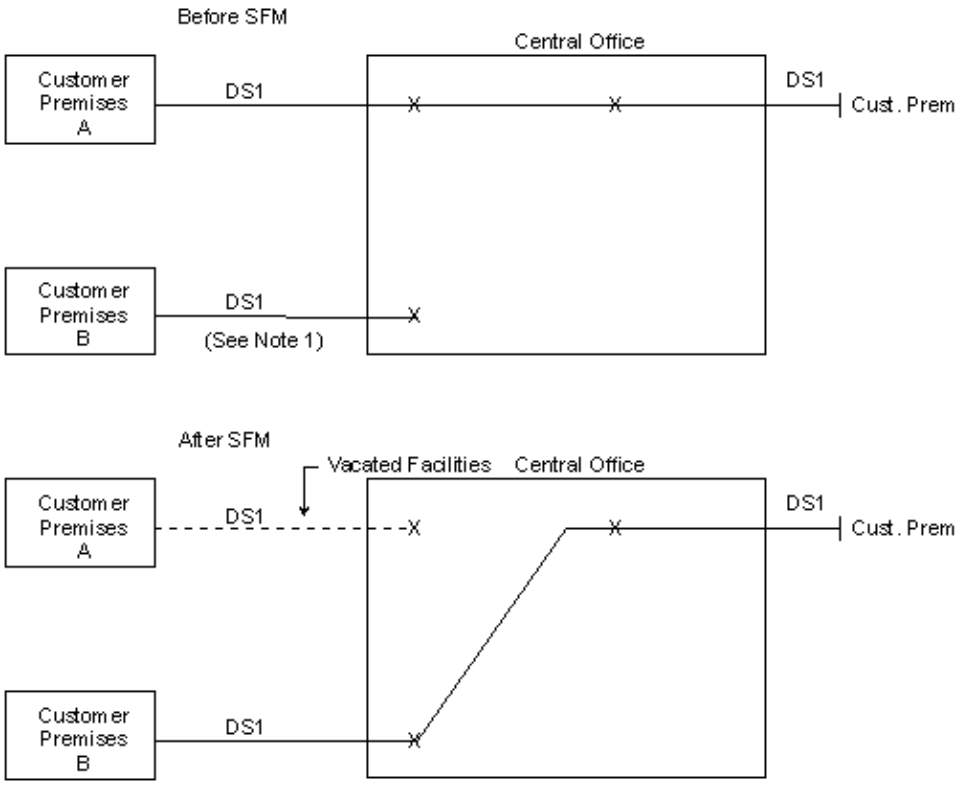
7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

EXAMPLE 4

DS1 to DS1 SFM -DIFFERENT CUSTOMER PREMISES



Note 1: This facility may exist as a result of an order for DS1 service concurrent with the SFM request or, in the case of virtual collocation, as a cross-connect arrangement requested by the interconnector.

ACCESS SERVICE

7. Special Access Service (cont'd)

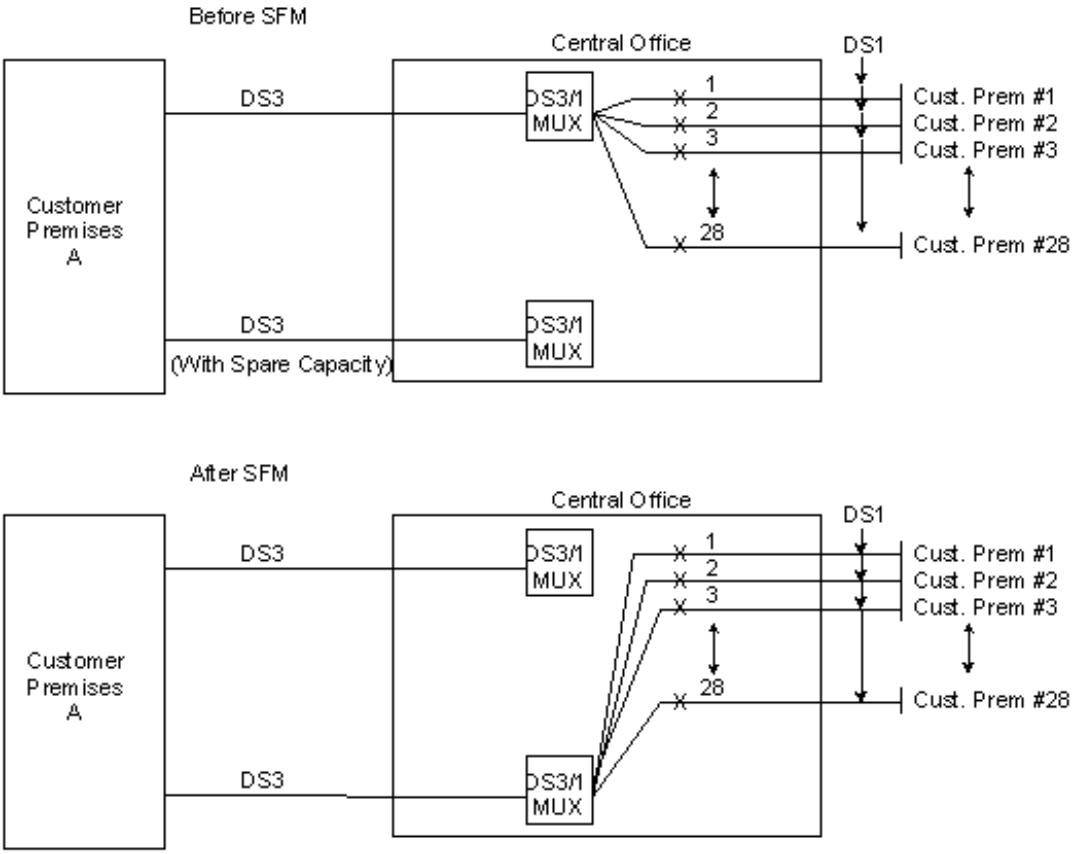
7.2 Rate Regulations (cont'd)

7.2.7 Moves (cont'd)

(A) Service Facility Move (SFM) (cont'd)

EXAMPLE 5

DS1 to DS3 SFM -SAME CUSTOMER PREMISES
(DS1 all moved at same time)



ACCESS SERVICE

7. Special Access Service (cont'd)
7.2 Rate Regulations (cont'd)
7.2.7 Moves (cont'd)

(B) Moves of the Point of Termination Within the Same Customer Premises

When the move of the Point of Termination is to a new location within the same customer premises, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided, at the customer's request, on a time sensitive charge basis. The labor rates which apply are as set forth in 13.4 (Rates and Charges). There will be no change in minimum period requirements.

(C) Moves of a Customer Premises

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

If the move of the customer's premises is as a result of an SFM (Service Facility Move) according to Section 7.2.7(A), and the facility to the new premises is existing, then no additional nonrecurring charges will apply for that end of the channel or circuit. Only the SFM charge will be applicable for such moves.

7.2.8 Minimum Periods

The minimum service period for all services, except Program Audio[(1)] service, is one month. The minimum service period for Program Audio[(1)] services is one day (i.e., a continuous 24-hour period, not limited to a calendar day). (N) (N)

7.2.9 Facility Hubs

The Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or High Capacity digital Channel Termination, Channel Mileage (when applicable) and the Multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Channel Mileage charges also apply between the hubs.

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.10 Shared Use

Shared use is the provision of Switched Access and Special Access High Capacity services over the same transmission path through the use of a common interface.

Regulations for shared use facilities are set forth in 6.8.12 (Shared Use), 7.2 (Rate Regulations), 19.4 (Rate Regulations) and 23.3 (Rate Regulations). Ordering provisions for shared use facilities are set forth in 5.2.5 (Shared Use).

Existing Special Access High Capacity Service facilities can be converted to shared use facilities by activating a portion of available capacity for Switched Access. Services provided over a shared use facility are ordered, provided and rated either as Switched Access (i.e., Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport and Multiplexing) or as Special Access (i.e., Channel Termination, Channel Mileage and Multiplexing) as set forth following:

(A) On shared use facilities, the customer for the Switched Access Service may be different from the customer for the Special Access Service. When the Switched Access customer is not the same as the Special Access customer, all Special Access charges and Switched Transport charges (including Switched Transport features charges) will be billed to the customer who initially ordered the facility. All other Switched Access charges will be separately billed to the customer who ordered the Switched Access Service.

(B) When an existing Special Access High Capacity Service facility is converted to a shared use facility by using an available portion of the capacity for Switched Access Service, the applicable nonrecurring charges (including the Access Order Charge) will be the nonrecurring charges associated with the Switched Access service being ordered.

(C) The customer must place an order for each individual Switched or Special Access service utilizing the shared use facility and must also specify the channel assignment for each service.

(D) All channels within a shared use facility will be rated and billed as set forth in (1) through (5) following:

(1) When a DS1 facility is ordered and provisioned as Switched Access, all channels, including spares, will be rated and billed as Switched Access until such time as the DS1 facility becomes shared use.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.10 Shared Use (cont'd)

(D) (cont'd)

(2) When a DS1 facility is ordered and provisioned as a Special Access High Capacity Service, all channels, including spares, will be rated and billed as Special Access until such time as the DS1 facility becomes shared use.

(3) Once a DS1 facility, ordered as either Switched or Special Access, becomes shared use, all spare channels on the DS1 facility will be rated and billed as Special Access.

(4) On a DS3 shared use facility, ordered either as Switched Access or MegaLink Custom Service, the Switched Access channels on the DS3 facility must equal the cumulative value of the channels (both active and spare) counted as Switched Access on each DS1 facility.

For example, a Switched Access DS1 facility, which contains 20 active and 4 spare channels, is activated on a shared use DS3 facility. The DS1 facility is considered pure switched access and the shared use DS3 facility is prorated by 24 switched channels, i.e., 24/672.

Subsequently, 6 of the switched channels from the Switched Access DS1 facility are disconnected and become spare. Since the DS1 facility is still considered pure switched, the shared use DS3 facility will continue to be prorated by 24 switched channels, i.e., 24/672.

If, at a later date, the Switched Access DS1 facility becomes shared use by the addition of 6 Special Access channels, the DS1 spare channels will then default to Special Access. The DS3 facility will be prorated by 14/672 to reflect the new switched channel value on the shared use DS1, i.e., 14 active switched, 6 active special and 4 spare.

If multiplexing were associated with the shared use facility, the monthly recurring rate for the multiplexer would be prorated in the same manner as the Entrance Facility and Channel Termination.

(5) Channels being used in conjunction with CCS/SS7 Interconnection Service are included in the channel counts for Switched Access.

(E) Customers requesting Service Facility Moves (SFM) of shared use facilities will be assessed nonrecurring charges as specified in 6.8.10 (Moves), 7.2.7 (Moves), 19.4 (Moves) and 23.3.6 (Moves) with the nonrecurring charges being prorated as set forth in (D)(1) through (D)(5) preceding.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

7.2.10 Shared Use (cont'd)

(F) When Special Access High Capacity Service is provided utilizing a channel of a shared use facility to a hub, High Capacity rates will apply for the facility to the hub as set forth preceding and individual service rates will apply from the hub to the customer-designated premises. The rates that will apply to the portion from the hub to the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates will include a Channel Termination rate and Channel Mileage rates, if applicable. Rates for optional features, BSEs and functions, if any, associated with the service will apply as set forth in 7.3 (Service Descriptions, Rates and Charges).

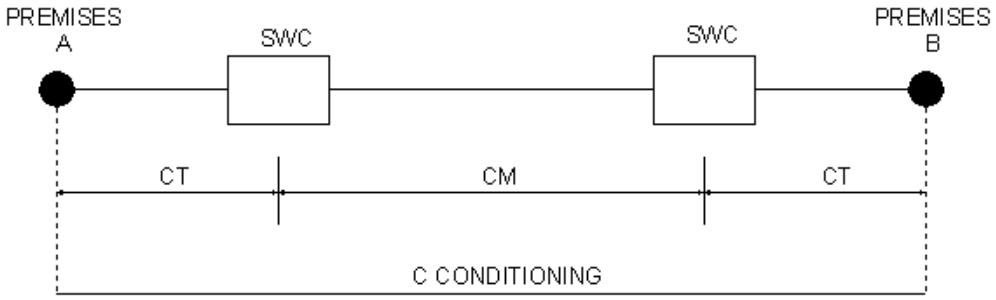
7.2.12 Two-Point Service

The rate elements applicable to a two-point service are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features, BSEs and Functions (when applicable)

The following diagram depicts a two-point Voice Grade service, provided with C-Conditioning, connecting two customer-designated premises located 15 miles apart. The applicable rate elements are:

- Channel Termination (2 applicable)
- Channel Mileage
- C-Conditioning Optional Feature (1 per Channel Termination)



SWC - Serving Wire Center
CT - Channel Termination
CM - Channel Mileage

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

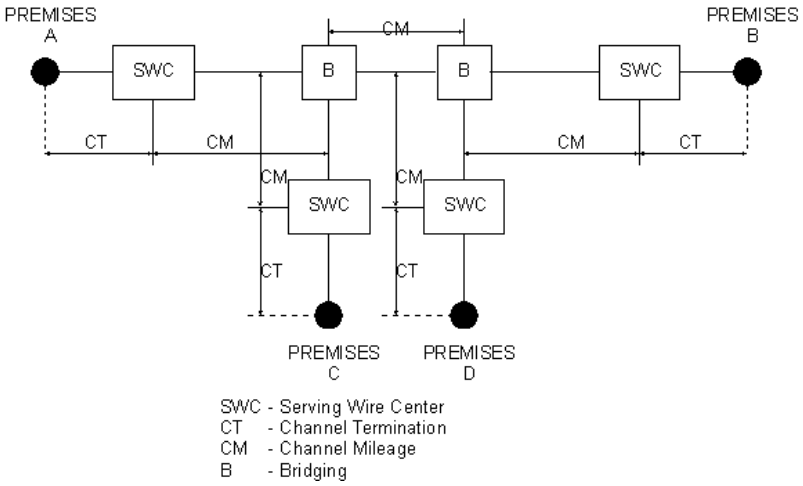
7.2.13 Multipoint Service

The rate elements applicable to multipoint service are as follows:

- Channel Terminations (one per customer-designated premises)
- Channel Mileage (as applicable)
- Bridging
- Additional Optional Features, BSEs and Functions (when applicable)

(A) Following is an example of a multipoint service in which Voice Grade multipoint service connects four customer premises via two-customer specified bridging hubs. The applicable rate elements are:

- Channel Termination (4 applicable)
- Channel Mileage (5 sections)
- Bridging BSE (6 applicable, i.e., one at each bridge port)



ACCESS SERVICE

7. Special Access Service (cont'd)

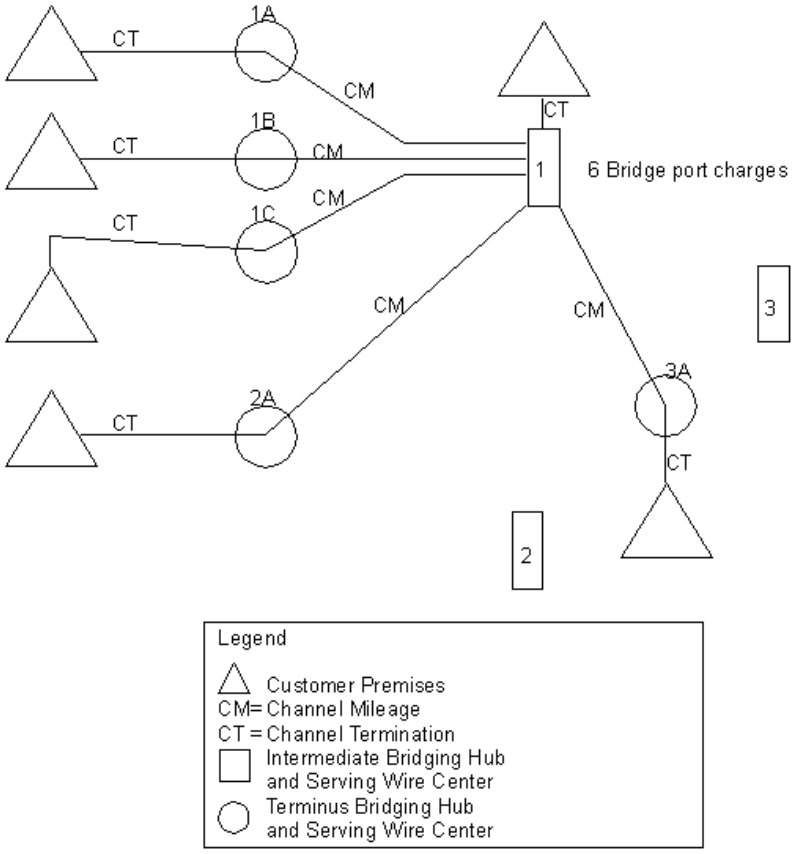
7.2 Rate Regulations (cont'd)

7.2.13 Multipoint Service (cont'd)

(B) An example of a hubbing arrangement, with its applicable rate elements indicated, is shown following:

Voice Grade Multipoint where two offices do not subtend from Intermediate Bridging Hub 1. The two offices subtend from separate Intermediate Hubs.

Office 2A subtends from Intermediate Hub 2. Office 3A subtends from Intermediate Hub 3. However, the Company will serve offices 2A and 3A from the common bridge in Intermediate Hub 1.



ACCESS SERVICE

7. Special Access Service (cont'd)

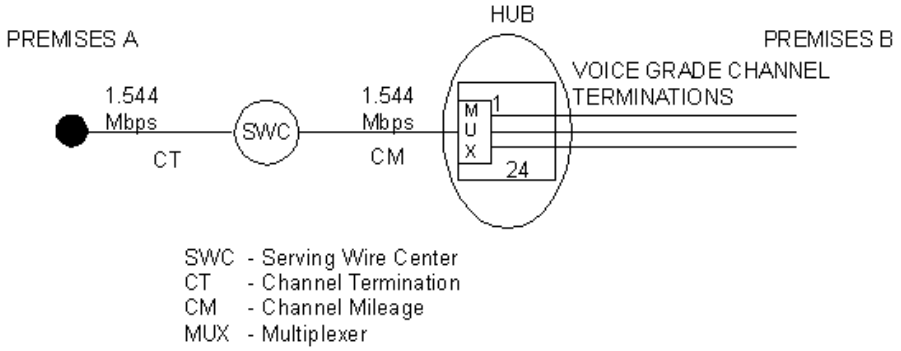
7.2 Rate Regulations (cont'd)

7.2.14 Multiplexed Service

The rate elements applicable to multiplexed service are as follows:

- Channel Terminations
- Channel Mileage
- Multiplexing BSE

Following is an example of multiplexing a 1.544 Mbps channel to 24 Voice Grade channels.



7.2.15 Alternate Use

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12 (Specialized Service or Arrangements). In addition, the customer will pay the stated guidebook rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage and Optional Features, BSEs and Functions).

7.2.16 Customized Channels

When a customized channel is ordered, the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Rate Regulations (cont'd)

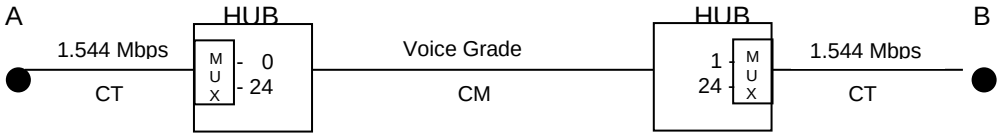
7.2.18 Service to Service Through Connect Arrangements

The Service to Service Through Connect Arrangement rate element provides for an interconnection of like services in a Company Hub or serving wire center. This arrangement is an intraoffice connection that is provisioned in lieu of a channel termination to a customer-designated premises. The through connection is provided in conjunction with Voice Grade Analog, Program Audio(1), MegaLink Data and High Capacity services. Additional Channel Mileage would apply if the two like services are located in different hubs or serving wire centers. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection. (N)

The following diagram depicts a Service to Service Through Connect Arrangement in which Voice Grade Services, extended from DS1 multiplexed services, utilize a through connect arrangement in a Company Hub. Additional channel mileage was required to coterminate the services. The applicable rate elements are:

- 1.544 Mbps Channel Terminations (2 applicable) *
- DS1 to Voice Multiplexers (2 applicable) *
- Voice Grade Channel Mileage
- Multiplexer to Multiplexer Service to Service Through Connect Arrangement

PREMISES
PREMISES



CT - Channel Termination
CM - Channel Mileage
MUX - Multiplexer
- Service to Service through Connect Arrangement

7.2.19 Individual Case Basis Pricing

Customer specific contracts under Individual Case Basis (ICB) pricing is offered for business services that are unique because of size or configuration. Rates may be different than those specified for such services in this Guidebook. ICB rates will be offered to the customer in writing on a non-discriminatory basis. All ICB pricing will comply with Oklahoma Corporation Commission Rule OAC 165:55-5-10.3

* Service already established

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges

7.3.1 General

There are seven types of Special Access Service, as follows:

- Metallic (MT)
- Telegraph Grade (TG)
- Voice Grade (VG)
- Program Audio[(1)] (AP) (N)
- MegaLink Data (DA)
- High Capacity (HC)

Each of the seven channel types has its own characteristics. All are subdivided by one or more of the following:

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

(A) Descriptions

Each service consists of a basic channel to which the following services can be added as required to construct the service desired by the customer:

- Technical specifications packages (customized or predefined)
- Channel interface(s)
- Optional features, BSEs and functions.

Paragraph (A) of 7.3.2 through 7.3.10 provides a description of the characteristics of each basic channel type and indicates whether the channel is provided between customer-designated premises or between a customer-designated premises and a Company Hub where bridging or multiplexing functions are performed. Customized channels are available as specified in 7.2.16.

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.1 General (cont'd)

(B) Technical Specifications Packages

A matrix is provided in paragraph (B) of 7.3.2 through 7.3.10 which indicates the transmission parameters that are available with each Technical Specifications Package. The codes used to design the packages are constructed using the information shown across the top of the matrix as follows:

- The first two symbols of the code are letters which indicate the category of Special Access Service to which the parameters are applicable. These two letter codes also are shown in parentheses following the channel type in 7.3.1, preceding.

- An alpha, numeric or alpha-numeric designation follows these two letters to indicate the specific predefined package.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. Customized technical specifications packages will be provided where technically feasible. If the Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

All services installed after the effective date of this Guidebook will conform to the transmission specification standards contained in this Guidebook or in the following Technical References for each category of service:

Metallic	TR-NPL-000336
Telegraph Grade	TR-NPL-000336
Voice Grade	TR-TSY-000335
PUB 41004, Table 4	
Program Audio[(1)]	TR-NPL-000337 (N)
MegaLink Data	TR-NPL-000341
PUB 62310	
High Capacity	TP-76625
PUB 62411	TR-INS-000342

Customers who wish to obtain copies of these references may obtain ordering information from the User's Guide section of this Guidebook.

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.1 General (cont'd)

(C) Channel Interfaces

A matrix is provided in paragraph (C) of 7.3.2 through 7.3.10 that indicates the channel interfaces which are compatible with each channel type.

Channel interfaces at each Point of Termination on a two-point or multipoint service may be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These may be found in the appropriate Technical Reference cited for each channel type.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References cited in (B) preceding. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

(D) Optional Features, BSEs and Functions

Information is included in 7.3.2 through 7.3.10, where appropriate, to provide a description of the optional features, BSEs and functions available with each type of Special Access Service and to indicate with which technical packages they are available. A description of each optional feature, BSE and function is also provided.

7.3.2 Metallic Service

(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer-designated premises or between a customer-designated premises and a Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.2 Metallic Service (cont'd)

(B) Technical Specifications Packages

	Package MT-			
Transmission Parameter	C	1	2	3
DC Resistance				
Between conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

(C) Channel Interfaces (CI)

The following channel interfaces identify the direct current or voltage at the interface.

CI	DC/Voltage
DC-1	Monitoring with series RC combination
DC-2	Energized interface
DC-3	DC Continuity

(D) Optional Features, BSEs and Functions

	Package MT-			
	C	1	2	3
Central Office Bridging:				
Series Bridging	X		X	
Three Premises Bridging	X	X		X

(1) Central Office Bridging BSE Capability

(a) Series Bridging

Bridging of up to 26 customer-designated premises.

(b) Three Premises Bridging

Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer-designated premises.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.2 Metallic Service (cont'd)

(E) Rates and Charges

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(1) Channel Termination					
per point of termination	T6ECS	$12.25	---	$129.00	$89.00
(2) Channel Mileage					
0 miles	1L5XX	---	---	---	---
Over 0 miles		---	$7.30	---	---

		Nonrecurring Charge
(3) Series Bridging		
per port		---
(4) Three Premises Bridging		
per port	BCNM3	---

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.3 Telegraph Grade Service

(A) Basic Channel Description

A Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph Grade channels are provided between customer-designated premises or between a customer-designated premises and a Company Hub.

(B) Technical Specifications Packages

Transmission Parameter	Package TG-C	Package TG-1	Package TG-2
Telegraph Restoration	X	X	X

(C) Channel Interfaces (CI)

Following are channel interfaces normally associated with Telegraph Grade Service.

CI	Definition
DB10	108 Data Set
DB43	43 Telegraph Carrier
IA	E.I.A. RS-232
TT2	20 Ma
TT3	3 Ma
TT6	62.5 Ma

(D) Optional Features, BSEs and Functions

	Package TG-C	Package TG-1	Package TG-2
Telegraph Bridging	X	X	X

(1) Telegraph bridging may be either two-wire or four-wire.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.3 Telegraph Grade Service (cont'd)

(E) Rates and Charges

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(1) Channel Termination					
per point of termination					
Two-wire	T6E2X	$19.00	---	$185.00	$132.00
Four-wire	T6E4X	31.00	---	185.00	132.00
(2) Channel Mileage					
0 miles	1L5XX	---	---	---	---
Over 0 miles		18.44	2.41	---	---

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge
(3) Telegraph Bridging				
per port				
Two-Wire	BCNT2	4.90	---	---
Four-Wire	BXNT4	5.67	---	---

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service

(A) Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 hertz (Hz) and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer-designated premises, between a customer-designated premises and a Company Hub or between a customer-designated premises and a WATS serving office. When a single Voice Grade channel is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital POP which requires a minimum digital interface level of 1.544 Mbps, the Company will provide the required interface where facilities are available.

(B) Technical Specifications Packages

	Package VG-											
Transmission Parameter	C*	1	2	3	4	5	6	7	8	9	10	11	12
Attenuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X				
Envelope Delay Distortion	X						X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X
Intermodulation Distortion	X						X	X	X	X	X	X	
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits and Dropouts	X					X	X	X	X	X	X	X	X
Phase Jitter	X						X	X	X	X	X	X	
Signal-to-C Message Noise					X								X
Signal-to-C Notch Noise	X					X	X	X	X	X	X	X	

* The desired parameters are selected by the customer from the list of available parameters.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(C) Channel Interfaces (CI)

The following channel interfaces are for Voice Grade Service.

CI	Signaling Capability Required	Signaling Capability Not Required
AB	X	
AC	X	
AH		
CT	X	X
DA		X
DB		X
DD		X
DE		X
DS		
DX	X	
DY	X	
EA	X	
EB	X	
EC	X	
EX	X	
GO	X	
GS	X	
LA	X	
LB	X	
LC	X	
LO	X	
LR	X	
LS	X	X
NO		X
PR		
RV	X	
SF (1)	X	X
TF		

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers as of June 19, 1995.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service

(D) Analog Service to Service Through Connect Arrangement

Multiplexed Arrangement

This provides for the interconnection of two subtending analog channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileages required if the multiplexed services are terminated in two separate hubs.

(E) Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer-designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(F) Optional Features, BSEs and Functions

	Package VG-												
	C	1	2	3	4	5	6	7	8	9	10	11	12
Central Office Bridging Capability	X		X			X	X				X	X	X
Central Office Multiplexing	X						X						
C-Conditioning (1)	X					X	X	X	X	X	X		
C-Type Conditioning	X					X	X	X	X	X	X		
Data Capability	X						X				X		
Improved Attenuation Distortion	X					X	X	X	X	X	X		
Improved Envelope Delay Distortion	X					X	X	X	X	X	X		
Improved Equal Level Echo Path Loss	X	X	X	X		X		X					
Improved Return Loss at two-wire POT	X		X	X				X					
Improved Termination at four-wire POT	X	X	X	X	X	X	X	X	X	X	X	X	X
Sealing Current Conditioning	X					X	X				X		
Telephoto Capability	X											X	
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X

(1) Obsolete, and limited to existing installations at existing locations, for existing customers as of February 8, 1989.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(F) Optional Features, BSEs and Functions (cont'd)

(1) Central Office Bridging BSE Capability

(a) Data Bridging (two-wire and four-wire)

(c) Telemetry and Alarm Bridging:

Passive Bridging
Split Band, Active Bridging
Summation, Active Bridging

(d) Telephoto Bridging (two-wire and four-wire)

(e) Voice Bridging (two-wire and four-wire)

(2) Central Office Multiplexing BSE

Voice to Telegraph Grade (43 Type Carrier): An arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing.

(3) Conditioning BSE

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

(a) C-Conditioning

C-Conditioning upgrades the frequency response and envelope delay distortion limits of the analog data channel. The specifications for C-Conditioning, which are less stringent than C-Type conditioning, are delineated in the appropriate Technical Reference for Voice Grade Service.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(F) Optional Features, BSEs and Functions (cont'd)

(3) Conditioning BSE (cont'd)

(b) C-Type Conditioning [1]

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in the appropriate Technical Reference for Voice Grade Service.

(c) Improved Attenuation Distortion (IAD)

Improved Attenuation Distortion upgrades the frequency response limits of the analog data channel. The specifications for Improved Attenuation Distortion are delineated in the appropriate Technical References for Voice Grade Services.

(d) Improved Envelope Delay Distortion (IEDD)

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the analog data channel. The specifications for Improved Envelope Delay Distortion are delineated in the appropriate Technical Reference for Voice Grade Service.

(e) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is associated with four-wire DA or NO type channel interfaces.

(4) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion.

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers as of February 8, 1989.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(F) Optional Features, BSEs and Functions (cont'd)

(4) Data Capability (cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion specifications for Data Capability are delineated in the appropriate Technical Reference for Voice Grade Service.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) Improved Echo Control

The Improved Echo Control specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

(6) Improved Equal Level Echo Path Loss

Provides improved Echo Control at four-wire interface for effective two-wire voice grade configurations. Specifications can only be met with limited facility configurations. Improved Equal Level Echo Path Loss specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

(7) Improved Return Loss

Improved Return Loss at a two-wire point of termination provides for more stringent Echo Control specifications. This option is only applicable when ordered on effective two-wire channels and the transmission path is four-wire at one POT and two-wire at the other POT. Specifications can only be met with limited facility configurations. The Improved Return Loss specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(F) Optional Features, BSEs and Functions (cont'd)

(8) Improved Termination

Improved Termination at a four-wire point of termination provides, for a fixed 600 ohm impedance, variable level range and simplex reversal capability when ordered with either an effective two-wire or four-wire channel. Company equipment is required at the customer's premises where this option is ordered. The Improved Termination specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

(9) Reserved for Future Use

(10) Reserved for Future Use

(11) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion specifications for Telephoto Capability are delineated in the appropriate Technical Reference for Voice Grade Service.

(12) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A control channel, if required, is not included as part of the option. The specifications for Transfer Arrangement are delineated in the appropriate Technical Reference for Voice Grade Service.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(G) Rates and Charges

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(1) Channel Termination					
per point of termination					
Two-wire	T6E2X	$25.00	---	$166.00	$116.00
Four-wire	T6E4X	38.00	---	201.00	149.00
(2) Channel Mileage					
0 miles	1L5XX	---	---	---	----
Over 0 miles		17.46	$ 1.12	---	----
(3) Analog Service to Service Through Connect Arrangement					
Multiplexed Arrangement (Derived from a DS1 multiplexer)	THK	6.00	103.00	92.00	

* Additive available in conjunction with customer ordered Digital High Capacity facility in 7.3.10 (High Capacity Service).

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(G) Rates and Charges (cont'd)

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge
(4) Data Bridging				
per port				
Two-wire	BCND2	$ 1.00	---	---
Four-wire	BCND4	5.00	---	---
(5) Telephone Bridging				
per port				
Two-wire	BCNF2	5.00	---	---
Four-wire	BCNF4	6.00	---	---
(6) Voice Bridging				
per port				
Two-wire	BCNV2	5.70	---	---
Four-wire	BCNV4	4.00	---	---
(7) Conditioning C-Type (1)				
per point of termination	X1CPT	11.20	---	---
(8) Data Capability				
per port termination	XDCPT	---	---	$219.50

(1) Obsolete, and limited to existing installations at existing locations, for existing customers as of February 8, 1989.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(G) Rates and Charges (cont'd)

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge
(9) Improved Equal Level Echo Path Loss				
per point of termination	UHZ	---	---	---
(10) Improved Return Loss				
per two-wire point of termination	1RL2W	$ 1.00	---	---
(11) Improved Termination				
per four-wire point of termination	1RL4W	3.50	---	---
(12) Reserved for Future Use				
(13) Reserved for Future Use				
(14) Telephoto Capability				
per point of termination	XTCPT	11.20	---	$233.00

* In lieu of ++, substitute appropriate two digit code from the following list to specify type of signaling: AB AC CT DX DY EA EB EC EX GO GS LA LB LC LO LR LS RV SF (1)

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers as of June 19, 1995.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.4 Voice Grade Service (cont'd)

(G) Rates and Charges (cont'd)

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge
(15) Transfer Arrangement (key activated *)				
per four port arrangement including control channel termination**	USY	$ 7.37	---	---
per five port arrangement including control channel termination**	US5	14.35	---	---
(16) Access for Intrastate WATS or WATS-like services, per line (1)	NUQ	21.05	---	---
(17) Hotel/Motel Access to Long Distance Message Telecommunications Switchboard, per trunk	TTT++	34.07	---	---

(1) This rate applies to the subscriber of WATS service as offered in the Wide Area Telecommunications Service Plan Tariff.

* The key activated control channel is rated as a Metallic Channel Termination (use USOC T6EME in lieu of T6ECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.5 Program Audio(1) Service (N)

(A) Basic Channel Description

A Program Audio(1) channel is a channel measured in hertz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio(1) channels are provided between customer-designated premises or between a customer-designated premises and a Company Hub. (N) (N)

(B) Technical Specifications Packages

Transmission Parameter	C*	Package AP-1	2	3	4
Actual Measured Loss	X	X	X	X	X
Amplitude TFA	X				
Cross Talk	X	X	X	X	X
Distortion TFA	X				
Gain/Frequency Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase TFA	X				
Short-Term Gain stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

* The desired parameters are selected by the customer from the list of available parameters.

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.5 Program Audio(1) Service (cont'd) (N)

(C) Channel Interfaces (CI)

The following channel interfaces define the bandwidths that are available for a Program Audio(1) channel: (N)

CI	**Bandwidth**
PG-1	Nominal frequency from 50 to 15000 z
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

(D) Service to Service Through Connect Arrangement

This provides the interconnection of two program audio(1) channels within a serving wire center. (N)

(E) Optional Features, BSEs and Functions

	Package AP-				
	C	1	2	3	4
Central office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

(1) Central Office Bridging BSE Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0 dB +/- 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.5 Program Audio[1] Services (cont'd) (N)

(F) Rates and Charges

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(1) Channel Termination	T6ECS			
per point of termination				
200-3500 Hz		$20.75	$260.00	$216.00
100-5000 Hz		29.75	260.00	216.00
50-8000 Hz		30.75	260.00	222.00
50-1500 Hz		49.75	260.00	206.00

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile
(2) Channel Mileage	1L5XX		
200-3500 Hz			
0 miles		---	---
Over 0 miles		$16.57	$1.16
100-5000 Hz			
0 miles		---	---
Over 0 miles		19.55	1.94
50-8000 Hz			
0 miles		---	---
Over 0 miles		24.13	2.00
50-15000 Hz			
0 miles		---	---
Over 0 miles		31.06	5.68

[1] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.5 Program Audio(1) Services (cont'd) (N)

(F) Rates and Charges (cont'd)

	USOC	Monthly Rate	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit	
(3) Service to Service Through Connect Arrangement					
Interconnection of two Program Audio(1) services within a serving wire center	THA	---	$86.00	$54.00	(N)

	USOC	Monthly Rate	Nonrecurring Charge
(4) Bridging, Distribution Amplifier			
per port	BCNPT	$3.49	---
(5) Gain Conditioning			
per port	XGC	4.38	$140.00
(6) Stereo**			
per channel	XSC	---	25.00

** Additional AP channel must be ordered separately as set forth in 7.3.5(E)(3) (Stereo).

(1) Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Service

(A) Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56 Kbps, or 64 Kbps Clear Channel (cc)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer-designated premises and a Company Digital Hub for multipoint service at all speeds, except 64 Kbps (CC).

When a single MegaLink Data channel is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital POP which requires a minimum digital interface level of 1.544 Mbps, the Company will provide the required interface where facilities are available.

56 Kbps MegaLink Data channels are also provided in conjunction with Customer Network Management Access Service as set forth in Section 15.

It is the customer's responsibility to arrange for the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data channel at the customer premises.

* 64 Kbps Clear Channel (CC) is offered only where equipment and facilities are available.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Service (cont'd)

(B) Technical Specification Packages

Transmission Parameter	Package DA-C	1	2	3	4	5	6
Error-Free Seconds	X	X	X	X	X	X	X

The Company will provide a channel capable of meeting a monthly average performance greater than or equal to 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in the appropriate Technical Reference for MegaLink Data Service.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate Technical Reference for MegaLink Data Service.

(C) Channel Interfaces (CI)

The following channel interface define the bit rates that are available for a MegaLink Data channel:

CI	Bit Rate
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-56	56 Kbps
DU-64	64 Kbps (CC)*

(D) Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds: 2.4, 4.8, 9.6, 19.2, 56 Kbps, 64 Kbps (CC). The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

* MegaLink Data Service 64 Kbps channel interface is offered only with Clear Channel.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Service (cont'd)

(E) Optional Features, BSEs and Functions

	Package DA-C	1	2	3	4	5	6
Central office Bridging Capability	X	X	X	X	X	X	
Secondary Channel Capability	X	X	X	X	X	X	
Transfer Arrangement	X	X	X	X	X	X	X

(1) Central Office Bridging BSE Capability

(2) Secondary Channel Capability BSE

Secondary Channel Capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, 19.2, and 56 Kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of the customer's network.

(3) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer-designated premises. This arrangement is only available at a Company Digital Hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Services (cont'd)

(F) Rates and Charges

All rates and charges apply to Oklahoma. Each rate element is shown with its associated USOC, where appropriate.

			Monthly Rate		Nonrecurring Charge	
		USOC	Fixed	Per Mile	1st Circuit	Additional Circuit
(1)	Channel Termination	T6ECS				
	per point of termination					
	2.4 Kbps		$30.00	---	$200.00	$200.00
	4.8 Kbps		30.00	---	200.00	200.00
	9.6 Kbps		56.00	---	200.00	200.00
	19.2 Kbps		56.00	---	225.00	225.00
	56 Kbps		72.00	---	225.00	225.00
(2)	Channel Mileage	1L5XX				
	2.4 Kbps					
	0 miles		---	---	---	---
	Over 0 miles		30.30	$.55	---	---
	4.8 Kbps					
	0 miles		---	---	---	---
	Over 0 miles		30.30	.55	---	---
	9.6 Kbps					
	0 miles		---	---	---	---
	Over 0 miles		30.30	.55	---	---
	19.2 Kbps					
	0 miles		---	---	---	---
	Over 0 miles		40.00	.55	---	---
	56 Kbps					
	0 miles		---	---	---	---
	Over 0 miles		45.00	.65	---	---

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Service (cont'd)

(F) Rates and Charges (cont'd)

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge
(3) Multiplexing				
per arrangement				
DS0 to Subrates				
Up to 20 2.4 Kbps services	QSU24	Rates are as set forth in Section 7.3.10(F)(5) following		
Up to 10 4.8 Kbps services	QSU48	Rates are as set forth in Section 7.3.10(F)(5) following.		
Up to 5 9.6 Kbps services	QSU96	Rates are as set forth in Section 7.3.10(F)(5) following.		
DS1 to DS0	QMU	Rates are as set forth in Section 7.3.10(F)(5) following.		
DS1 to Voice	MQ1	Rates are as set forth in Section 7.3.10(F)(5) following.		

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.9 MegaLink Data Service (cont'd)

(F) Rates and Charges (cont'd)

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(3) Service to Service through Connect Arrangement					
Interconnection of two subtending digital channels (derived from DS1 multiplexing).....	THK	$ 7.50	---	$103.00	$92.00
					Nonrecurring Charge
(4) Bridging					
per port	BCNDA	11.00	---		---
(5) Secondary Channel capability					
per channel termination	SCA	9.00	---		$95.00
(6) Loop Transfer Arrangement, Key Activated *					
per four port arrangement**.....	XTD	21.00	---		---

* The key activated control channel is rated as a Metallic Channel Termination (use USOC TMEME in lieu of TMECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.10 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps* or 1.544 Mbps, isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provisioned (1) between customer-designated premises, (2) between a customer-designated premises and a Company Hub, (3) between Network Reconfiguration Service Hubs at 1.544 Mbps transmission, (4) between a Network Reconfiguration Service Hub and (5) between a Network Reconfiguration Service Hub and a Company Hub at 1.544 Mbps transmission

Loop Redundancy, which provides automatic restoration of the 1.544 Mbps High Capacity Service Channel Termination and physical route redundancy between the customer's premises and the customer's serving wire center in the event of a single loop failure, will be provided on High Capacity Channel Terminations in those situations where the customer's premises and serving wire center are equipped with the necessary equipment and facilities. If the equipment and facilities are not available, the interval for loop redundancy will be within 2 years from the date of customer request or the agreed upon date if Special Construction applies.

It is the customer's responsibility to arrange for the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. When a single High Capacity channel is ordered to be terminated at a customer's designated Interexchange Carrier's all digital POP which requires a minimum digital interface level of 44.736 Mbps, the Company will provide the required interface where facilities are available.

* Available only as a channel of a 1.544 Mbps facility between two Company MegaLink Data Hubs. The customer must provide system and channel assignment data.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.10 High Capacity Service (cont'd)

(B) Technical Specifications Packages

Transmission Parameter	Package HC-0	Package HC-1	Package HC-1C	Package HC-2	Package HC-3	Package HC-4
Error-Free Seconds		X				

(C) Channel Interfaces (CI)

The following channel interface defines the bit rate that is available for a High Capacity DS1 channel:

CI	Bit Rate
DS-15*	1.544 Mbps (DS1)

(D) Service to Service Through Connect Arrangement

(1) High Capacity Service Arrangement

This provides the interconnection of two DS1 services at a Digital Hub.

(2) Multiplexed Service Arrangement

This provides the interconnection of two digital channels extended from High Capacity multiplexed services. The through connect will be provisioned in lieu of a typical High Capacity channel termination. The ordering customer must provide channel assignments for both multiplexed services. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

* A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Company Hub.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.10 High Capacity Service (cont'd)

(E) Optional Features, BSEs and Functions

	Package HC-0	Package HC-1
Central Office Multiplexing:		
DS0 to Subrate *	X	
DS1 to DS0		X
DS1 to Voice		X
Clear Channel Capability		X
Extended Superframe Format		X
Power Over the interface (1)		X
Transfer Arrangement		X

(1) Reserved for Future Use.

(2) Central Office Multiplexing BSE

(a) DSO to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

(1) Obsolete, and limited to existing installations at existing locations, for existing customers as of October 23, 1993.

* Available only on a channel of a 1.544 Mbps facility to a Company Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) network which contains a DS1 channel.

ACCESS SERVICE

7. Special Access Service (cont'd)
7.3 Service Descriptions, Rates and Charges (cont'd)
7.3.10 High Capacity Service (cont'd)

(E) Optional Features, BSEs and Functions (cont'd)

(2) Central Office Multiplexing BSE (cont'd)

(b) DS1 to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 Kbps channels utilizing digital time division multiplexing.

(c) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the hub can also be used for MegaLink Data, DovLink[sm], Program Audio[(1)], or Metallic Service. (N)

(3) Clear Channel Capability BSE

Clear Channel Capability is a BSE that provides the customer with an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as described in the appropriate Technical Reference for High Capacity Service. Customer equipment must be compatible with this method of providing the unconstrained signal.

(4) Extended Superframe Format BSE

Extended Superframe Format is a BSE that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 Kbps 193rd bit position pattern into three distinct functionalities: 2 Kbps for frame synchronization, 2 Kbps for cyclic redundancy checking, and 4 Kbps used primarily to send performance monitoring information over the Facilities Data Link.

(5) Power Over the Interface [(1)]

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

(1) Obsolete, and limited to existing installations at existing locations, for existing customers as of October 23, 1993.

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.10 High Capacity Service (cont'd)

(F) Rates and Charges

Rates and charges for Oklahoma will be applied as contained in this section. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(1) Channel Termination				
per point of termination 1.544 Mbps	TMECS	$100.00	$460.00	$456.00

	USOC	Monthly Rate Fixed	Monthly Rate Per Mile
(2) Channel Mileage			
1.544 Mbps			
0 miles	1L5XX	---	---
Over 0 miles		$50.00	$16.80

	USOC	Monthly Rate	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(3) Service to Service through Connect Arrangement				
High Capacity Service Arrangement				
1.544 Mbps (DS1)	THA	---	$195.00	$156.00
Multiplexed Service Arrangement				
1.544 Mbps (DS1)	THK	---	325.00	280.00

ACCESS SERVICE

7. Special Access Service (cont'd)

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.10 High Capacity Service (cont'd)

(F) Rates and Charges (cont'd)

Rates and charges for Oklahoma will be applied as contained in this section. Each rate element is shown with its associated USOC, where appropriate.

	USOC	Monthly Rate	Nonrecurring Charge
(4) Reserved for Future Use			
(5) Multiplexing per arrangement			
DS0 to Subrates			
Up to 20 2.4 Kbps services	QSU24	135.00	---
Up to 10 4.8 Kbps services	QSU48	125.00	---
Up to 5 9.6 Kbps	QSU96	105.00	---
DS1 to DS0	QMU	180.00	---
DS1 to Voice	MQ1	180.00	---
(6) Clear Channel Capability per channel termination	CLR	---	$95.00
(7) Extended Superframe Format per channel termination	SF1	---	---
(8) Power Over the Interface per channel termination	PW1	---	---
(9) Transfer Arrangement, Key Activated* per four port arrangement including control channel termination	USV	$180.00	---

* The key activated control channel is rated as a Metallic Channel Termination (use USOC T6EME in lieu of T6ECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Miscellaneous Rates and Charges

(A) Service Facility Move (SFM)

(1) Basic Service Description

A Nonrecurring Charge(s) will apply when a customer requests an SFM of Special Access Service as described in 7.2.7(A) (SFM). The Nonrecurring Charge(s) is applied on a first and additional basis, per Access Order, as specified below.

(2) Rates and Charges

	USOC	Nonrecurring Charge 1st Circuit	Nonrecurring Charge Additional Circuit
(a) Analog*/MegaLink Data to 1.544 Mbps High Capacity			
per service moved	NRBRA	$100.00	$50.00
(b) 1.544 Mbps High Capacity to 1.544 Mbps High Capacity			
per service moved	NRBRH	125.00	90.00
(c) 1.544 Mbps High Capacity to MegaLink Custom			
per service moved	NRBR1	150.00	120.00

* Analog services include: Metallic Service, Telegraph Service, Voice Grade Service or Program Audio[(1)] Service. (N)

[(1)] Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N) (N)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Miscellaneous Rates and Charges (cont'd)

(D) Access Order Charge See Section 5.2

	Nonrecurring Charge	
	1st Circuit	Additional Circuit
(E) Service Rearrangement		
per circuit on the same Access Order for one or any combination of the following changes:	$9.00	$5.00

Access Carrier Name Abbreviation (ACNA)

Billing Account Number (BAN)
Customer Circuit ID (CKR)