

ACCESS SERVICE

CHECK SHEET

Title Page 1 and Pages 1 to 23-8 inclusive of this tariff, including Supplement No. 1, are effective as of the date shown. Original and revised pages, as named below are in effect on the date indicated.

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7. Special Access Service+7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed, or through a DS3 Premises Multiplexer at a customer designated premises where multiplexing functions are performed, or to connect a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

7.1.1 Circuit Types

There are five types of circuits used to provide Special Access Services:

- Voice Grade (VG)
- Program Audio (AP)
- Video Digital Transport TV-1 Analog (TV)
- Digital Data (DA)
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

Each of the five circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following:

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

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

+ Pursuant to FCC 17-43, released April 28, 2017, Frontier has detariffed (1) TDM channel terminations for wire centers in competitive counties; (2) TDM transport charges; and (3) packet-based services. Terms and Conditions for detariffed services can be found in the Interstate Service Guide and Pricelist. (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(A) Circuit Termination

The Circuit Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Circuit 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 Circuit Termination charge applies per customer designated premises at which the circuit is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building. Connection to Telephone Company provided DS1 or DS3 Circuit Terminations within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). Circuit Termination rates for DS3 High Capacity Services vary with the number of services and/or level of capacity as set forth in Section 7.2.6 following.

Rates for End User Circuit Terminations are subject to the rules governing Competitive and Non-Competitive Counties as discussed in Section 21.4. Where Competitive and Non-Competitive Rates are present the Circuit Termination consists of two different rate elements: an End User Circuit termination that serves the customer premises and an Interexchange Carrier (IC) Point of Presence (POP) that is collocated in a Company serving wire center. The customer will be charged for both the End User Circuit Termination and the IC Circuit Termination. (N)

Circuit Mileage* (T)

The Circuit Mileage rate category provides for the end office equipment and transmission facilities between serving wire centers and/or Telephone Company hubs. In addition, when Special Access is used in conjunction with Switched Access Service as set forth in 6.3.2 preceding for Switched Access Interface Arrangements*, and the end office serving the customer's end user premises is not a WATS Serving Office, Circuit Mileage is used to extend the Special Access Circuit to a WATS Serving Office. Connection to Telephone Company provided DS1 or DS3 Circuit Mileage within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). The Circuit Mileage charge is composed of a flat monthly charge plus a rate per mile.

* Pursuant to FCC 17-43, released April 28, 2017, Frontier has detariffed TDM transport charges. (N)
 Terms and Conditions for detariffed services can be found in the Interstate Service Guide and (N)
 Pricelist. (N)

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Circuit Mileage (Cont'd)

(2) Per Mile Rate (Cont'd)

When hubs are involved, mileage is computed and rates applied separately for each section of the Circuit 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 or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

When more than one Telephone Company is involved in the provision of Special Access Service, the mileage for the per mile component of Circuit Mileage for each Telephone Company is calculated as set forth in 2.4.7 preceding.

(C) Optional Features and Functions

Optional Features and Functions may be added to a basic circuit service to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element.

Descriptions for each of the available Optional Features and functions are set forth in Sections 7.3 through 7.11 following. Specific rate applications for multiplexing are set forth in 7.2.5 following.

Pursuant to FCC 17-43, released April 28, 2017, Frontier has detariffed (N)
 special access optional features and functions. Terms and Conditions for (N)
 detariffed services can be found in the Interstate Service Guide and Pricelist. (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)**7.2 Rate Categories, Applications and Regulations (Cont'd)****7.2.4 Facility Hubs and Multiplexing***

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., DS1, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

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 circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

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. When placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

When a DS3 High Capacity Service is multiplexed at a customer designated premises, such configuration is not a Telephone Company Hub for purposes of administering the terms and conditions of this tariff.

For DS3 High Capacity Service, multiplexing functions may also be performed at a customer designated premises using the DS3 Premises Multiplexer optional feature set forth in Section 7.11.4(5) following.

* Pursuant to FCC 17-43, released April 28, 2017, Frontier has detariffed TDM transport charges. (N)
Terms and Conditions for detariffed services can be found in the Interstate Service Guide and (N)
Pricelist. (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges

(A) Circuit Termination—Non-Competitive End User
 - Per Point of Termination

<u>Jurisdiction</u>	<u>2-Wire Monthly Rates</u>	<u>2-Wire Nonrecurring Charges</u>
California	\$24.00	\$200.00
Texas	27.90	200.00

<u>Jurisdiction</u>	<u>4-Wire Monthly Rates</u>	<u>4-Wire Nonrecurring Charges</u>
California	\$34.85	\$200.00
Texas	36.20	200.00

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service # (Cont'd)

7.6.5 Rates and Charges (Cont'd)

(D)

(D)

Service availability limited. Refer to # footnote on Page 7-61.

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.6 Program Audio Service # (Cont'd)
 - 7.6.5 Rates and Charges (Cont'd)

(D)

(D)

Service availability limited. Refer to # footnote on Page 7-61.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service # (Cont'd)

7.6.5 Rates and Charges (Cont'd)

(D)

(D)

Service availability limited. Refer to # footnote on Page 7-61.

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.7 TV-1 Analog Service (Cont'd)
 - 7.7.5 Rates and Charges (Cont'd)

(D)

(D)

- 7.8 Reserved for Future Use
- 7.9 Reserved for Future Use

Service Availability is limited. Refer to # footnote on page 7-71.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges

(A) Circuit Termination—Non-Competitive End User
 - Per Point of Termination

<u>Jurisdiction</u>	<u>2.4, 4.8, & 9.6 Kbps</u>		<u>19.2 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
California	\$67.25	\$250.00	\$67.25	\$250.00
Texas	82.34	250.00	82.34	250.00

<u>Jurisdiction</u>	<u>56.0 Kbps</u>		<u>64 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
California	\$ 88.17	\$250.00	\$ 88.17	\$250.00
Texas	102.36	250.00	102.36	250.00

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(G) Reserved

(T)
(D)

(H) Reserved for Future Use

(D)

(I) Reserved for Future Use

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(J) Reserved

(T)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(K) Reserved

(T)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(L) Optional Features and Functions

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on the Title Pages.

Monthly
Rates

Nonrecurring
Charges

(1) Reserved

(T)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(L) Optional Features and Functions (Cont'd)

(1) Reserved

(T)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(D)

(D)