

FACILITIES FOR INTERSTATE ACCESS

CHECK SHEET

Title Page 1 and Pages 1 to 24-7 inclusive of this tariff 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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5 SPECIAL ACCESS (Cont'd)5.1 General (Cont'd)5.1.1 Rate Elements (Cont'd)(F) Multiplexing Arrangements

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

(G) Special Transport Termination(1) DS1, E1 and DS3 Service

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

(2) Fractional T1 Service (FT1)

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.1 Types of Rates and Charges (Cont'd)(E) Zone Density Plan - Special Access

The Zone Density Rate Plan is a pricing unit for rating High Capacity Special Access DS1 and DS3 Services. The Zone Density Plan assigns every Serving Wire Center (SWC) to one of three zones. The Serving Wire Center, CLLI Codes and zones are listed in Section 19. Zone 1 SWCs have the highest density of services, Zone 2 SWCs have intermediate density of services and Zone 3 SWCs have the lowest density of services. Zone Density Plan rates become effective in a study area concurrent with the first operational Expanded Interconnection Service (EIS), as described in Section 17, in that study area.

The Zone Density Plan for Special Access is applicable only to DS1 (1.544 Mbps) and DS3 (44.736 Mbps) services.

(1) Zone Density rates are set forth in Sections:

5.7.6 - Multiplexing Arrangements

5.7.7 - High Capacity Digital DS1

(D)

(D)

5.7.12 - High Capacity Digital DS3 Individual System

(D)

5.7.14 - High Capacity Digital DS3 Transport

5.7.15 - DS3 Multiplexer Cross Connect Arrangement

5.7.18 - DS1 Term Volume Plan

5.8.5 - Clear Channel Capability

(2) Special Access Lines and Transport Terminations are rated according to the Zone of the SWC where they are located.

(3) Special Transport provisioned between SWCs in two different zones will be rated at the higher zone rate.

(4) Zone Density Plan for special access provided by more than one telephone company will be provided as set forth in Section 2.7.4(B).

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(F) Nonrecurring Charges (Cont'd)

(3) Installation of FiberConnect, FT1, DS3, E1 and DS1 Special Access Lines (Cont'd)

(c) Fractional T1 Optional Payment Plan (OPP) Arrangements

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 5.7.9(B), will not be assessed a nonrecurring charge.

The Regulations in Section 5.6.1(F)(6) following will apply to FT1 OPP customers when required for changes and other service rearrangements.

(d) DS3 Arrangements

For Individual DS3s, the charge for installation will apply at the same rate per DS3 SAL.

(D)

(D)

(D)

(D)

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.6 Hub Wire Centers

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

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

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

Some of the types of multiplexing provided include the following:

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

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

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

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

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

(D)

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5 SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.9 Special Access Surcharge (Cont'd)

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

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

5.6.10 Message Station Equipment Recovery Charge

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

5.6.11 DS3 High Capacity Service*(A) DS3 Rate Structure

A DS3 (44.736Mbps) High Capacity SAL may be purchased with or without electronics. When a SAL is ordered with electronics the Telephone Company will place electronics at both the CDL and the serving wire center. When a SAL is ordered without electronics the Telephone Company will only place electronics at the serving wire center and not at the CDL. Effective May 18th 2002 when a DS3 SAL is ordered without electronics the interface must be optical. When ordered with electronics the interface may be electrical or optical. (T) (D)

DS3 SALs are non-distance sensitive and are provided on a protected basis. (D)

Individual System

An Individual System is a single DS3 between a CDL and the serving wire center. The appropriate NRC is applied per SAL. (D)

Transport rate elements are applied per SAL when transport between offices is required. In instances when a SAL is ordered to a second CDL in conjunction with an Individual System SAL and Transport between offices is required Transport rate elements are applied per circuit.

* High Capacity DS1 and DS3 services may be provided between service areas shown under 5.2.7(H), where facilities and conditions permit.

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service* (Cont'd)

(A) DS3 Rate Structure (Cont'd)

(D)

(D)

* High Capacity DS1 and DS3 services may be provided between service areas shown under 5.2.7(H), where facilities and conditions permit.

(D)

(D)

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(A) DS3 Rate Structure (Cont'd)

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

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

(D)
(D)
(D)

Any costs associated with Special Construction as set forth in Section 3.1.3 preceding may apply.

DS3 Special Transport contains two rate elements, Special Transport Termination and Special Transport Facility. Special Transport Termination rates apply for the termination of each end of the interoffice facility. Special Transport Facility rates apply for each airline mile of the interoffice facility.

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

(D)

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.11 DS3 High Capacity Service (Cont'd)(B) Minimum Service Periods#

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

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

(C) Expiration of Service Period#

At the expiration of a service commitment period, the customer may select a new DS3
commitment period. If the customer does not select a new minimum service period within 60
days from the expiration date, billing will remain at the current service period and a new DS3
minimum service period will begin based on the previously effective service period. All terms
and conditions, including Subsequent Termination Liabilities, will apply to the new DS3 period.

Customers with expired service periods for the Individual System DS3s, prior to the effective (D)
date of this tariff offering will have up to 180 days to select a new commitment service period. If (D)
the customer does not select a new service period within 180 days of the effective date of this
tariff, billing will remain at the current service period and a new DS3 minimum service period
will begin based on the last service period. The beginning date of the new service period will
be the date immediately following the expiration date of the expired service period.

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Effective November 19, 2021, DS3 Minimum Service Periods, as previously defined, are no longer permitted. DS3 Service
Period rates in effect as of November 19, 2021 may continue the existing term but will not be eligible to extend, renew, reenroll
in, convert to a new term period, or in any other way continue their existing plan beyond its current expiration. At expiration of
the commitment term, service will be converted to the Month to Month Rate. If at any time an existing customer terminates its
DS3 Service Period the customer may not re-subscribe to the rate.

Material omitted from this page now appears on Page 5-74.1.

FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(I) DS3 Multiplexer Cross Connect Arrangement

The DS3 Multiplexer Cross Connect Arrangement allows a customer to (1) cross connect digital DS-1 channels from a DS3 Multiplexer to another DS3 Multiplexer or (2) to cross connect digital DS1 channels from a DS3 Multiplexer to an OC-3 CO-Node purchased from Section (20). When the DS3 Multiplexer Cross Connect is applied between a DS3 Multiplexer and an OC-3 CO-Node, applicable Section (20) rate elements are applied in addition to the DS3 Multiplexer Cross Connect. If the DS3 multiplexer is located in a different hub wire center than the other DS3 multiplexer or OC-3 CO-Node, DS1 special transport will apply in addition to the DS3 Cross Connect charge. The customer must provide the (CFA and SCFA) for both multiplexed services or OC-3 CO-Node on the ASR.

The rate as specified in Section 5.7.15 will apply per cross connect arrangement.

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FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5 SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.19 DS3 Term Volume Plan# (Cont'd)(B) DS3 TVP Enrollment and Conversion of DS3 Services (Cont'd)

(2) When an Eligible DS3 Service (as described in (D)(1) following) under a term plan is discontinued in order to include the DS3 SAL in the DS3 TVP, no termination penalty will apply for early termination of that DS3 Service. TISC under (K)(2) following may be available for the time that the DS3 SAL was under a term plan prior to conversion to the DS3 TVP.

(3) Where there is no service interruption, billing interruption or other changes to an existing service being converted to the DS3 TVP, nonrecurring charges do not apply for the conversion.

(4) If the customer converts a service that is not an Eligible DS3 Service, as defined in (D)(1) following, to a service that is an Eligible DS3 Service, as defined in (D)(1) following, such conversion will be treated as a disconnection of the existing service and installation of a new service and all applicable charges, terms and conditions will apply. The new TVP eligible service will be included in the in-service quantity count as of the order completion date for the conversion, and the applicable DS3 TVP rates will apply as of that date. (D)

(C) Commitment Levels

The DS3 Commitment Quantity as specified by the customer determines the Commitment Level for the DS3 TVP. The Commitment Level determines the rates applicable to all DS3 SALs included in the DS3 TVP. These rates are arranged in tiers based on the Commitment Level (shown in parentheses below) as set forth in Section 5.7.22 following.

Commitment Level 1 (20 DS3 SALs – 49 DS3 SALs)
Commitment Level 2 (50 DS3 SALs – 149 DS3 SALs)
Commitment Level 3 (150 DS3 SALs – 274 DS3 SALs)
Commitment Level 4 (275 DS3 SALs – 499 DS3 SALs)
Commitment Level 5 (500 DS3 SALs or more)

Service availability limited. Refer to # footnote on Page 5-132.

FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.11 Reserved

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

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FACILITIES FOR INTERSTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.13 Reserved

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