

ACCESS SERVICES

20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE

20.1 General

20.1.1 General Description

Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service, provides a dedicated two-way signaling path between the customer-designated premises and a Telephone Company interconnecting Signal Transfer Point (STP). The customer's designated premises and the Telephone Company's STP must be in the same LATA. CCS/SS7 Interconnection Service provides interconnection with the Telephone Company's CCS/SS7 network and can be used to access Telephone Company services as they become available and as facilities permit.

CCS/SS7 Interconnection Service utilizes an STP Access Connection, an STP Access Link and an STP Port Termination. The STP Access Connection provides for the DS1 (1.544 Mbps) transmission facility between the serving wire center of the customer designated premises and the Telephone Company hub, where multiplexing from 1.544 Mbps to 56 kbps will occur. The STP Access Link provides for the 56 kbps digital transmission facility between the Telephone Company hub and the Telephone Company STP. The STP Port Termination provides for the physical termination of the customer's 56 kbps circuit into the telephone Company STP, where access to the Telephone Company's CCS/SS7 network will occur.

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INTERCONNECTION SERVICE-(Continued)

20.1 General-(Continued)

20.1.2 Manner of Provisioning

The customer may utilize an existing DS1 (1.544 Mbps) facility for CCS/SS7 Interconnection Service. If the customer does not have existing DS1 facilities available for use with CCS/SS7 Interconnection Service, and does not want to order a DS1 Channel, the Telephone Company will provide an STP Access Connection between

(AT) the serving wire center of the customer-designated premises and the Telephone Company Hub. When a DS1 Channel or an STP Access Connection is utilized by the customer, multiplexing from 1.544 Mbps

(AT) to 56 kbps will occur at the designated Telephone Company Hub. A Customer Signaling Point Code will also be installed at the Telephone Company interconnecting STP. STP locations are set forth

(AT) in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

One STP Port Termination is required for each 56 kbps access link utilized for CCS/SS7 Interconnection Service and will be installed at

(AT) the Telephone Company interconnecting STP. A customer signaling point code will also be translated at the Telephone Company

(AT) interconnecting STP. STP locations are set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(AT) CCS/SS7 Interconnection Service is provisioned in A-Link pairs (multiples of 2) or B/D Link Quads (multiples of 4). Either of two architecture configurations may be used:

A Links connect a customer's Signaling Point with a Telephone Company mated Signaling Transfer Point pair per LATA.

(AT) B/D Links connect a customer's mated STP pair to a Telephone Company mated STP pair per LATA.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.1 General-(Continued)

20.1.3 Rate Elements

The following Switched Access rate elements apply to CCS/SS7 Interconnection Service:

A. STP Access Connection

The STP Access Connection rate element provides the transmission facilities between the customer-designated premises and the Telephone Company Hub.

The STP Access Connection charges are calculated according to mileage band. There are two rates that may apply per band, i.e., a fixed monthly rate per mileage band and a monthly rate per mile.

A nonrecurring charge also applies per STP Access Connection. This charge applies on a first and additional basis.

B. STP Access Mileage

The STP Access Mileage rate element provides the 56 kbps transmission facilities between a designated Telephone Company Hub and the Telephone Company interconnecting STP.

STP Access Mileage is calculated according to mileage band. There are two rates that apply per band, i.e., a fixed monthly rate per mileage band and a monthly rate per mile.

C. STP Port Termination

The STP Port Termination rate element provides for the termination of the customer's 56 kbps circuit. One STP Port Termination must be installed at the Telephone Company interconnecting STP for each 56 kbps circuit.

There are two charges that apply to the STP Port Termination, i.e., a fixed recurring monthly rate per port termination and a nonrecurring installation charge per port.

(AT) D. Customer Signaling Point Code

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The Customer Signaling Point Code rate element provides for the installation of the customer's CCS network signaling point (address) code. A nonrecurring charge applies per Customer Signaling Point Code.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.1 General-(Continued)

20.1.4 Ordering Options and Conditions

CCS/SS7 Interconnection Service is ordered under the Access Order provisions set forth in Section 5. The Access Order Charge applicable for Switched Access will apply per Access Order for the installation, addition, change or rearrangement of CCS/SS7 Interconnection Service. Other charges associated with the ordering of CCS/SS7 Interconnection Service are applicable as specified in Section 5.

20.2 Transmission Specifications

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in the appropriate Technical Reference Publication.

20.3 Acceptance Testing

At the customer's request, the Telephone Company will, at no additional charge, cooperatively test at the time of installation.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.4 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company set forth in Section 2, the Telephone Company has certain other obligations pertaining to the provision of CCS/SS7 Interconnection Service. These obligations are as follows:

20.4.1 Network Management

The Telephone Company will administer its network to ensure the provision of acceptable service levels to all telecommunication users of the Telephone Company's network services. The Telephone Company maintains the right to apply protective controls which would generally be applied as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in Section 2.

20.4.2 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may be made available to the customer. This data provides information on STP Port availability. This data does not include service performance data which is provided under other tariff sections, e.g., testing service results. If the data is to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.5 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2, the customer has certain other obligations pertaining to the use of CCS/SS7 Interconnection Service. These obligations are as follows:

20.5.1 Forecast Report

The customer shall furnish to the Telephone Company, at the time CCS/SS7 Interconnection is ordered and annually thereafter, an updated three-year forecast of usage for the STP Access Connection, the STP Access Link and the STP Port Termination. The forecast shall include total annual volume and busy hour busy month volume. The Telephone Company will utilize the forecast in its own efforts to project further facility requirements.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.6 Rate Regulations

This section contains specific regulations governing the rates and charges that apply for
CCS/SS7 Interconnection Service.

20.6.1 Description of Rates and Charges

There are two types of rates and charges which apply to CCS/SS7 Interconnection Service.
They are monthly recurring rates and nonrecurring charges. These rates and charges are
applied differently to the various rate elements as set forth below. For billing purposes, each
month is considered to have 30 days.

A. Monthly Rates

Monthly rates are fixed recurring rates that apply each month, or fraction thereof, that a
specific rate element is provided.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e.,
installation of a service or rearrangement of an existing service.)

Charges for the rearrangement of CCS/SS7 Interconnection Service are set forth in Section 6.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.6 Rate Regulations-(Continued)

20.6.2 Application of Rates and Charges

STP Access Mileage and the STP Access Connection are Local Transport monthly rated Switched Access Service rate elements are not subject to the usage (i.e., Local Transport, Local Switching and Carrier Common Line) rate categories as set forth in Sections 3 and 6.

(CT) Rates and charges for the STP Access Connection, STP Access Link, STP
(CT) Port Termination and the Customer Signaling Point Code apply as follows:

A. STP Access Connection

A fixed monthly rate applies for each STP Access Connection between the Telephone Company Hub and the customer-designated premises.

A monthly rate per mile applies to each airline mile between the Telephone Company Hub and the Serving Wire Center of the customer-designated premises.

A nonrecurring charge applies for the installation of each STP Access Connection. This charge is applied on a first and additional basis.

(CT) B. STP Access Link

A fixed monthly rate applies, per mileage band, for each 56 kbps access link between the Telephone Company Hub, where multiplexing from DS1 (1.544 Mbps) to a 56 kbps circuit occurs, and the Telephone Company interconnecting STP.

A monthly rate per mile applies to each airline mile between the Telephone Company Hub, where multiplexing from DS1 (1.544 Mbps) to a 56 kbps circuit occurs, and the Telephone Company interconnecting STP.

C. STP Port Termination

A monthly rate applies for each STP Port Termination installed at the Telephone Company interconnecting STP.

A nonrecurring charge applies for the installation of each STP Port Termination at the Telephone Company interconnecting STP.

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St. Louis, Missouri

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)
INTERCONNECTION SERVICE-(Continued)

20.6 Rate Regulations-(Continued)

20.6.2 Application of Rates and Charges-(Continued)

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D. Customer Signaling Point Code

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A nonrecurring charge applies for the installation of each Customer Signaling
Point Code installed at the Telephone Company
interconnecting STP.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) INTERCONNECTION SERVICE-(Continued)

20.6 Rate Regulations-(Continued)

20.6.3 Minimum Period

CCS/SS7 Interconnection Service is provided for a minimum period of one month. When service is disconnected prior to the expiration of the minimum period, monthly charges are applicable for the balance of the minimum period. If service is disconnected after the minimum period, monthly charges will be based on the actual number of days the service is furnished, as set forth following. For the purpose of administering this regulation, with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.

20.6.4 Moves

The regulations for moves and application of charges are set forth in Section 6.

20.6.5 Mileage Measurement

The mileage to be used to determine the monthly rate for the STP Access Connection and the STP Access Mileage is calculated on the airline distance between the locations involved, i.e., the Telephone Company Hub and the customer-designated premises, or the Telephone Company Hub and the Telephone Company interconnecting STP.

Mileage is shown in Paragraph 20.7, in terms of mileage bands. 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 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 band and applying the rates.

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20. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)
INTERCONNECTION SERVICE-(Continued)

20.7 Rates and Charges

A. <u>STP Access Connection</u>	<u>USOC</u>	<u>Monthly Rate</u>	
		<u>Fixed</u>	<u>Per Mile</u>
<u>Mileage Bands</u>			
0	CCAX8	\$340.54	---
Over 0 to 4	CCAX8	403.73	\$26.45
Over 4 to 8	CCAX8	403.73	26.45
Over 8 to 25	CCAX8	403.73	26.45
Over 50	CCAX8	403.73	26.45

<u>Nonrecurring Charge</u>	<u>USOC</u>	<u>First</u>	<u>Additional</u>
Per STP Access Connection	NRBSB	\$569.00	\$368.00

(CT)	B. <u>STP Access Link</u>	<u>USOC</u>	<u>Monthly Rate</u>	
			<u>Fixed</u>	<u>Per Mile</u>

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Mileage Bands

0	1J5FX	---	---
Over 0 to 4	1J5FX	\$100.16	\$.91
Over 4 to 8	1J5FX	\$100.16	.91
Over 8 to 25	1J5FX	\$100.16	.91
Over 25 to 50	1J5FX	\$100.16	.91
Over 50	1J5FX	\$100.16	.91

C. <u>STP Port Termination</u>	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per Port Termination	PT8SX	\$318.87	\$214.00

(AT)	D. <u>Customer Signaling Point Code</u>	NRBSF	NA	(NR)	\$ 41.00
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