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ACCESS SERVICE TARIFF
 Section: 22
 Sheet: 1
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COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

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INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service

22.1 General Description

This section provides the rules and regulations pertaining to the provisioning of Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service.

CCS/SS7 Interconnection Service provides a dedicated two-way signaling path between the customer designated premises and a SWBT interconnection Signal Transfer Point (STP) to provide interconnection with SWBT's CCS/SS7 network and can be used to access SWBT services as they become available and as facilities permit.

22.2 Service Description

CCS/SS7 Interconnection Service is provisioned as a Switched Access Service in accordance with SWBT Common Channel Signaling/Signaling System 7 Network Interface Requirements TP-76638 and Bellcore Common Channel Signaling Network Specification Technical Reference TR-TSV-000905. The Reference to Technical Publications section of this tariff contains ordering information for these publications.

The customer may utilize an existing DS1 (1.544 Mbps) facility for CCS/SS7 Interconnection Service. If the customer does not have existing DS1 (1.544 Mbps) facilities available for use with CCS/SS7 Interconnection Service and does not want to order a DS1 Channel, SWBT will provide an STP Access Connection between the customer designated premises and SWBT's hub. When a DS1 Channel or an STP Access Connection is utilized by the customer, multiplexing from 1.544 Mbps to 56 kbps will occur at the designated SWBT hub.

One STP Port Termination is required for each 56 kbps access link utilized for CCS/SS7 Interconnection Service and will be installed at SWBT's interconnecting STP. A customer Signaling Point Code will also be installed at the Telephone Company interconnecting STP. STP and FSPOI locations are set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

When a STP Access Link used to provide CCS/SS7 Interconnection Service is provisioned using FSPOI, the STP Access Mileage is ordered from the customer's designated premises to a SWBT-designated FSPOI. FSPOIs are deployed only in LATAs where SWBT had removed an STP pair through consolidation and rehomeing.

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.3 Service Provisioning

22.3.1 Transmission Specifications

Transmission specifications for CCS/SS7 Interconnection Service are set forth in Technical References TR-TSY-000440 and TR-NPL-000246. The Reference to Technical Publications section of this tariff contains ordering information for these publications.

SWBT will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except those service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff and the appropriate technical reference publication.

22.3.2 Acceptance Testing

At the customer's request, and at no additional charge, at the time of installation SWBT will cooperatively test the parameters as specified in technical publications TR-TSV-000905, TP-76638 and TA-TAP-001004. The Reference to Technical Publications section of this tariff contains ordering information for these publications.

22.3.3 Network Management

SWBT will administer its network to insure the provision of acceptable service levels to all telecommunications users of SWBT's network services.

SWBT maintains the right to apply protective controls which would generally be applied as a result of occurrences such as failure or overload of SWBT or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by SWBT result in the complete loss of service by the customer, the customer will be granted a credit allowance in conjunction with the regulations specified in Section 2.4.4 of this tariff (Credit Allowance for Service Interruptions).

22.3.4 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to SWBT 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.

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.3 Service Provisioning (Cont'd)

22.3.5 Forecast Report

The customer shall furnish to SWBT, 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. SWBT will utilize the forecast in its own efforts to project further facility requirements.

22.3.6 Ordering

Service ordering or modification provisions will apply as set forth in Section 5 of this tariff (Ordering options for Switched and Special Access Service). 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.

22.3.7 Minimum Provisioning Requirements

CCS/SS7 Interconnection Service requires two 56 kbps STP Access Mileage and two STP Port Terminations.

22.3.8 Consolidation of STPs

When the Telephone Company consolidates its Common Channel Signaling (CCS) Network to reduce its number of STP pairs, Customer changes in CCS/SS7 Interconnection Service and translations will be required.

The Telephone Company will establish schedules for any consolidation, and will work cooperatively with existing Customers to establish dates by which necessary changes in facilities and translations will be completed. However, all of an existing Customer's CCS/SS7 Interconnection Service in a LATA must be connected to the new serving arrangement, or disconnected no later than the date established by the Telephone Company for the consolidation.

In order to avoid duplicate charges for STP Access Mileage being rehomed, Customers who move STP Access Links will need to place "add" and "disconnect" orders with the same Due Date. The Connecting Facility Assignment (CFA) on the "add" order must be the same as the one on the "disconnect" order for Customers who order new links to the FSPOI.

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.3 Service Provisioning (Cont'd)

22.3.8 Consolidation of STPs (Cont'd)

The conversion to the consolidated architecture may require existing Customers to use duplicate STP Access Links and STP ports at the time of conversion to assure continuity of service. Where needed, such redundancy will include the Customer's existing CCS/SS7 Interconnection Service as well as the new CCS/SS7 Interconnection Service between the Customer and the new STP. However, a Customer may have CCS/SS7 Interconnection Service under both the existing arrangement and the new arrangement pursuant only to the conversion schedule established by the Telephone Company. Existing facilities no longer required after all of a Customer's facilities have been converted must be disconnected within 60 days of the completion of such conversion. Requests from existing Customers for augmentation of existing capacity in a LATA will be converted to the new serving arrangement in accordance with the Telephone Company's conversion schedule. Otherwise, requests for new service will be connected to the new serving arrangement regardless of when ordered.

Recurring and nonrecurring charge credits will apply to the installation of new CCS/SS7 Interconnection Service associated with the Telephone Company's STP consolidation as follows: Recurring charge credits will apply for new STP Access Links and STP ports provided by the Telephone Company for the period of time beginning with the installation of the new connections until the earlier of 1) the disconnection of the first pair or quad of existing connections which has traffic being converted to the new arrangement, or 2) 60 days following the completion of the conversion. Both nonrecurring and recurring charge credits will apply to any new CCS/SS7 Interconnection Service that is required by the consolidation of traffic from other LATAs for the period of time beginning with the installation of the new CCS/SS7 Interconnection Service until the earlier of 1) the disconnection of the first pair or quad of existing connections that have traffic being converted to the new connections, or 2) four months after installation of the new connections.

Due to billing system constraints, all recurring and nonrecurring charges will be billed, but appropriate credits will be applied to the Customer's bill after the associated existing facilities are disconnected.

22.4 Rate Regulations

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

Specific rates and charges are set forth in Section 22.5. Jurisdictional reporting requirements are set forth in Section 2.3.14.

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.4 Rate Regulations (Cont'd)

22.4.1 Rate Categories

There are four rate elements which apply to CCS/SS7 Interconnection Service:

- STP Access Connection (described in (A) following),
- STP Access Mileage (described in (B) following), and
- STP Port Termination (described in (C) following).
- Customer Signaling Point Code (described in (D) following).

(A) STP Access Connection

The STP Access Connection rate element provides the transmission facilities between the customer designated premises and SWBT's 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 (Minimum Two)

The STP Access Mileage rate element provides for the 56 kbps transmission facilities between a SWBT designated hub and the SWBT interconnecting STP. STP Access Mileage must be provisioned using a FSPOI if the LATA STP has been removed through consolidation and rehomeing.

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 (Minimum Two)

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 SWBT's 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.

(D) Customer Signaling Point Code

The Customer Signaling Point Code rate element provides for the installation of the customer's CCS network signaling point (address) code at the Telephone Company interconnecting STP.

A nonrecurring installation charge applies per Customer Signaling Point Code.

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.4 Rate Regulations (Cont'd)

22.4.2 Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). Nonrecurring charges are applicable for installation of the service and for rearrangement of the service. In addition, an Access Order Charge may be applicable as specified in Section 5.2.2 of this tariff (Access Order Charge).

(A) STP Access Connection

A nonrecurring charge applies for the installation of each STP Access Connection. This charge is applied on a first and additional basis. If a customer orders multiple STP Access Connections on the same access order, the first connection is assessed the "first" charge and each additional connection is assessed the "additional" charge.

(B) STP Port Termination (Minimum Two)

A nonrecurring charge applies for the installation of each STP Port Termination at SWBT's interconnecting STP.

(C) Customer Signaling Point Code

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

(D) Service Rearrangement

Charges for the rearrangement of CCS/SS7 Interconnection Service are set forth in Section 6.9.2(G) of this tariff (Nonrecurring Charges for Service Rearrangements).

COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7)

INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.4 Rate Regulations (Cont'd)

22.4.3 Monthly Rates

Monthly rates are fixed recurring rates that apply each month, or fraction thereof, that a specific rate element is provided. For billing purposes, each month is considered to have thirty (30) days.

STP Access Connection and STP Access Mileage are Switched Transport monthly-rated Switched Access Service rate elements; however, they are not subject to usage charges (i.e., Carrier Common Line as specified in Section 3.3.2 and Switched Transport and Local Switching as specified in Section 6.8.3).

(A) STP Access Connection

A fixed monthly rate applies, per mileage band, for each STP Access Connection between SWBT's hub and the customer designated premises.

A monthly rate per mile applies to each airline mile between SWBT's hub and the Serving Wire Center of the customer designated premises.

(B) STP Access Mileage

A fixed monthly rate applies, per mileage band, for each 56 kbps access link between SWBT's-designated hub, where multiplexing from DS1 (1.544 Mbps) to a 56 kbps circuit occurs and SWBT's interconnecting STP. If ordering to a FSPOI, a fixed monthly rate applies, per mileage band, from the serving wire center associated with a customer-designated premises and SWBT's-designated Central Office FSPOI equipment.

A monthly rate per mile applies to each airline mile between SWBT's-designated hub, where multiplexing from DS1 (1.544 Mbps) to a 56 kbps circuit occurs, and SWBT's interconnecting STP. If ordering to a FSPOI, a monthly rate per mile applies to each airline mile between the serving wire center associated with a customer-designated premises and SWBT's-designated Central Office FSPOI equipment.

(C) STP Port Termination

A monthly rate applies for each STP Port Termination installed at SWBT's interconnecting STP.

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INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.4 Rate Regulations (Cont'd)

22.4.4 Determining STP Access Mileage and Charges

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 SWBT hub and the customer designated premises, or the SWBT hub and the SWBT interconnecting STP.

When the STP Access Mileage used to provide CCS/SS7 Interconnection Service is provisioned using a FSPOI, the mileage rate category provides for the transmission facilities between the serving wire center associated with a customer-designated premises and SWBT's-designated Central Office FSPOI equipment necessary to terminate the STP Access Mileage.

Mileage is shown in terms of mileage bands as specified in Section 22.5 of this tariff (Rates and Charges). 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.

23.4.5 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. In order to determine the charges for a fractional portion of a month, every month is considered to have 30 days.

22.4.6 Moves

The regulations for moves and application of charges are set forth in Section 6.8.10.

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INTERCONNECTION SERVICE

22. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

22.5 Rates and Charges

(A)	<u>STP Access Connection (CCAX8)</u>	<u>Rate per Month</u>
	Fixed	
	0 Miles	\$ 439.80
	Over 0 Miles	510.80
	Per Mile	
	0 Miles	0.00
	Over 0 Miles	45.00
		<u>Nonrecurring Charge</u>
	Per STP Access Connection (NRBSB)	\$ 645.00
(B)	<u>STP Access Mileage (1J5FX)</u>	<u>Rate per Month</u>
	Fixed	
	0 Miles	\$ 0.00
	0>4 Miles	\$ 35.00
	4-8 Miles	35.00
	8-25 Miles	35.00
	25-50 Miles	35.00
	Over 50 Miles	35.00
	Per Mile	
	0 Miles	0.00
	0>4 Miles	0.91
	4-8 Miles	0.91
	8-25 Miles	0.91
	25-50 Miles	0.91
	Over 50 Miles	0.91
(C)	<u>STP Port Termination (PT8SX)</u>	<u>Rate per Month</u>
	Per Port Termination	\$ 228.00
		<u>Nonrecurring Charge</u>
	Per Port Termination	\$ 249.20
(D)	<u>Customer Signaling Point Code (NRBSF)</u>	<u>Nonrecurring Charge</u>
	Per code.	\$ 41.00

LINE INFORMATION DATA BASE (LIDB) VALIDATION SERVICE

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LINE INFORMATION DATA BASE (LIDB) VALIDATION SERVICE

23.1 General Description

Line Information Data Base (LIDB) Validation Service provides the customer the ability to query billing validation data contained in SWBT's LIDB. Access to SWBT's LIDB provides customers with potential toll fraud detection by validating toll billing exception data and performing public telephone checks.

SWBT's LIDB is accessed through SWBT's Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service which use American National Standards Institute (ANSI) signaling protocol. LIDB Validation Service customers must arrange for SWBT's CCS/SS7 Interconnection Service, as specified in Section 22, for themselves or through another CCS/SS7 signaling transport service provider.

There is one rate category, LIDB Query, that applies to LIDB Validation Service. The LIDB Query rate category consists of two rate elements; LIDB Query Transport and LIDB Validation Query. The LIDB Query Transport provides for the transport of the LIDB query from the Signaling Transfer Points (STPs) to the Service Control Point (SCP) and back. The LIDB Validation Query provides for the actual validation of the LIDB information. In addition, other service specific charges and nonrecurring charges may apply as specified in 6.6 (Rate Regulations) and 6.7 (Rates and Charges).

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23.2 Service Description

LIDB Validation Service is provided by SWBT to its customers in support of alternate billing services. LIDB Validation Service provides access to billing validation data which resides in SWBT's data base for use with alternate billing services. Alternate billing services allow customers' end users the ability to bill calls to an account not necessarily associated with the originating line.

Customers participating in LIDB Validation Service, for purposes of obtaining billing validation data that resides in SWBT's data base, originate queries to the LIDB from an Operator Services System (OSS) identified by an originating point code (OPC). The LIDB query is routed through one of two Telephone Company interconnecting STPs, as designated by SWBT to Regional SCP where the LIDB resides. The requested billing validation data, in the form of signaling information, is passed back via either one of the two SWBT interconnecting STPs to the customer's designated OSS where the LIDB query was originated. The STPs locations are provided in the National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4.

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21.2 Service Description (Cont'd)

SWBT LIDB will receive and respond to all Billed Number Screening queries, including SWBT's queries, as defined in Bellcore publications TR-NWT-000246, FR-NWT-000271, TR-TSV-000905, TR-NWT-000954 and the Telephone Company publication TP 76638. These procedures will be applied uniformly to all users of SWBT's LIDB Validation Service.

LIDB Validation Service will provide the following functions on a per query basis:

- Determination of billed line as a public or nonworking telephone number.

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LINE INFORMATION DATA BASE (LIDB) VALIDATION SERVICE

23.3 Service Provisioning

23.3.1 Manner of Provisioning

- (A) All access to SWBT's LIDB will occur through two SWBT interconnecting STPs as designated by SWBT. SWBT will provide customer interconnection to the Telephone Company interconnecting STPs through its CCS/SS7 Interconnection Service provided in Section 22 (Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service). LIDB Validation Service customers must arrange for SWBT's CCS/SS7 Interconnection Service for themselves or through another CCS/SS7 signaling transport service provider.
- (B) LIDB Validation Service is ordered under the provisions specified in Section 5 (Ordering for Access Service). Also included in that section, are other charges which may be associated with ordering LIDB Validation Service (e.g., Service Date Change Charge).

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23.3 Service Provisioning (Cont'd)

23.3.2 Limitations

Unless expressly authorized in writing by the customer and SWBT, LIDB Validation Service is not to be used for purposes other than those LIDB functions described in 2.3.2 (Service Description). LIDB Validation Service is used for those functions only on a call-by-call basis or for limited purpose of validating billing information by a Billing Clearing House. Data accessed on LIDB may not be stored elsewhere for future use.

Proprietary information residing in SWBT's LIDB is protected from unauthorized access and may not be stored in a customer's data base for any reason. All information related to alternate billing services is proprietary. Examples of proprietary information are as follows:

- Billed (Line/Regional Accounting Office (RAO) Number (resides in SWBT's LIDB)
- PIN Number(s) (resides in SWBT's LIDB)
- Billed Number Screening (BNS) indicators (resides in SWBT LIDB)
- Calss of Service (resides in SWBT LIDB)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics

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23.3 Service Provisioning (Cont'd)

23.3.3 LIDB Data Specifications

SWBT's LIDB will contain a record for every working line number and Billed Number Group served by SWBT. Other exchange carriers who may store their data in SWBT's LIDB are requested to provide this data as well.

SWBT will update the LIDB information; e.g. add, delete, and modify customer accounts as customers move, become delinquent on their account, or order new service, on a daily basis.

SWBT has procedures in place to deactivate billing validation data in the event that it is being used fraudulently.

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23.3 Service Provisioning (Cont'd)

23.3.4 Provision Against Fraudulent Use of Service

End user information, pertinent to the investigation, may be shared with LIDB Validation Service customers when validation queries for the specific customer reaches SWBT established fraud threshold level. This fraud threshold level will be applied uniformly to all customers.

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23.3 Service Provisioning (Cont'd)

23.3.5 Provision of Billing Information

When a LIDB query is received at SWBT's SCP, a search is performed for the requested validation data. SWBT SCP formulates a response and tallies the LIDB query for billing.

The LIDB queries are accumulated and records are generated identifying the number of queries routed to and from the SCP and processed by the OPC of the customer's OSS location. This information is delivered to the accounting office via tape or by teleprocessing for processing and billing. The query charges will be accumulated per OPC and billed to the LIDB Validation Service customer each month.

SWBT will provide sufficient information with the bill to enable the customer to determine how the billed amount was calculated. Other reports may be provided as mutually agreed upon. Such agreements may involve additional charges or conditions which will be filed on an individual case basis as specified in Section 12 (Specialized Service or Arrangements).

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23.3 Service Provisioning (Cont'd)

23.3.6 Testing

SWBT will perform testing of the LIDB Validation Service in conjunction with CCS/SS7 Interconnection Service as outlined in Bellcore Technical References TR-NWT-000954, TR-TSV-000905 and TP 76638.

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23.3 Service Provisioning (Cont'd)

23.3.7 CCS/SS7 Network Performance

SWBT supports the performance standards as defined in Section 7 of TR-TSV-000905. The overall end-to-end CCS/SS7 network objective is less than ten minutes unavailability per year from any Signal Point (SP) to any other SP. The performance objective for any single SP, including a Service Control Point (SCP), is less than three minutes unavailability per year. The combined link set from the SCP to the Signal Transfer Point (STP) has a performance objective of less than two minutes unavailability per year.

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23.3 Service Provisioning (Cont'd)

23.3.8 LIDB Validation System Performance

LIDB Validation Service system downtime will be less than twelve hours per year. The LIDB validation system is capable of processing up to 100 queries per second. The response time for a query, from switch transmission to reception, should not exceed one second for 99 percent of all queries.

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23.3 Service Provisioning (Cont'd)

23.3.9 LIDB System Management

SWBT will administer its LIDB to insure the provision of acceptable service levels to all customers of SWBT's LIDB Validation Service. During periods of LIDB Validation Service system congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure will tell the switch the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping). For example, during an overload condition, the automatic call gapping procedure will tell the LIDB when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of the SWBT's LIDB Validation Service.

SWBT maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.

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23.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for LIDB Validation Service.

There are two types of rates and charges which apply to LIDB Validation Service. These are usage rates and nonrecurring charges.

Specific rates and charges are set forth in 23.5 (Rates and Charges). Jurisdictional report requirements are set forth in 2.4 (Jurisdictional Reports).

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23.4 Rate Regulations (Cont'd)

23.4.1 Rate Elements

The following rate elements apply to LIDB Validation Service:

- LIDB Query Transport (described in (A) following)
- LIDB Validation Query (described in (B) following)

(A) LIDB Query Transport

The LIDB Query Transport rate element provides for the routing of the LIDB query through one of two SWBT interconnecting STPs, as designated by SWBT to SWBT Regional SCP where the LIDB resides, and back. The SCP and STPs locations are provided in the National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4.

(B) LIDB Validation Query

The LIDB Validation Query rate element provides for the validation of toll billing exception data and performance of public telephone checks; i.e. determining if a billed line is a public. For these validation purposes, LIDB Validation Service customers will query the LIDB located in SWBT's SCP via SWBT CCS/SS7 network. The LIDB will respond with a verification signal message back to the LIDB Validation Service customer via SWBT CCS/SS7 network.

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23.4 Rate Regulations (Cont'd)

23.4.2 Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). Nonrecurring charges are applicable for the establishment of LIDB Validation Service and service rearrangements. In addition, an Access Order Charge may be applicable as specified in 5.2 (Access Order).

(A) Nonrecurring Charge for Establishment of Service

A nonrecurring charge applies for each request for establishment or change of existing LIDB Validation Service. The LIDB Validation Service Establishment Charge applies per OPC per request.

The nonrecurring charge for the establishment of LIDB Validation Service is set forth in 23.5 (Rates and Charges).

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23.4 Rate Regulations (Cont'd)

23.4.3 Nonrecurring Charges (Cont'd)

(B) Nonrecurring Charges for Service Rearrangements

Service Rearrangements are changes to existing services which do not result in changes to previously established OPCs.

Changes in previously established OPCs are treated as a discontinuance of the existing service and establishment of a new service and all applicable Nonrecurring Charges will apply.

Certain service rearrangements which are administrative in nature as specified in 6.6.2 (Nonrecurring Charges for Service Rearrangements) will be made without charge except as noted. Provisions for service rearrangements for which nonrecurring charges will apply are also set forth in 6.6.2 (Nonrecurring Charges for Service Rearrangements).

Nonrecurring charges specified in 6.7.3 (Administrative Changes FGD and BSA-D) will apply on a per service order basis.

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23.4 Rate Regulations (Cont'd)

23.4.3 Usage Rates

Usage rates are rates that apply on a per unit basis, e.g. per query, when a specific rate element is used. Usage charges are accumulated over a monthly period. For billing purposes, each month is considered to have thirty (30) days.

(A) LIDB Query Transport

A LIDB Query Transport usage rate applies to each LIDB query that is routed through one of two SWBT's interconnecting STPs to SWBT's Regional SCP where the LIDB resides and back. LIDB Query Transport charges are accumulated for each LIDB query and billed to the customer on a monthly basis.

(B) LIDB Validation Query

A LIDB Validation Query usage rate applies to each LIDB query received at SWBT's SCP. Query charges are accumulated for each OPC and billed to the customer on a monthly basis.

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23.5 Rates and Charges

All rates contained in this section are applicable to Texas.

23.5.1 LIDB Query

	<u>Rate Per Query</u>
(A) Per LIDB Query Transport.....	\$.0045
(B) Per LIDB Validation Query.....	.0260
- Billed Number Screening	

23.5.2 Service Establishment Charge

	<u>Nonrecurring Charge</u>
Per Originating Point Code (OPC) (NRBLA).....	\$ 11.00

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VIRTUAL COLLOCATION

26.1 General Description

This Section of the Access Service Tariff provides for Virtual Collocation for the purpose of interconnecting to SWBT for the transmission and routing of telephone exchange service and exchange access pursuant to 47 U.S.C. §251 (c)(2), and for access to SWBT's Unbundled Network Elements ("UNEs") pursuant to 47 U.S.C. §251 (c)(3) of the FTA 96 when the virtually collocated telecommunications equipment (hereafter referred to as equipment) is provided by the Collocator.

At SWBT's option in central offices, and at SWBT's option in other Eligible Structures where physical (including cageless) collocation space is available, or at the Collocator's option in CEVs, huts and cabinets where physical collocation space is not available, SWBT will provide one of the following alternate types of virtual collocation:

- a) Virtual collocation wherein SWBT maintains and repairs the virtually collocated equipment consistent with the rates, terms and conditions as provided for in Paragraphs 26.1.1 through 26.13.4 of this tariff section, or
- b) Virtual collocation wherein the Collocator maintains and repairs the virtually collocated equipment as described in Paragraph 26.14 following and consistent with the rates, terms and conditions as provided for throughout this entire tariff section

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VIRTUAL COLLOCATION

26.1 General Description (Cont'd)

Virtual Collocation in the Central Office is available for interconnection with SWBT for the transmission and routing of telephone exchange service and exchange access as well as SWBT-provided UNEs. Virtual Collocation in CEVs, Huts and Cabinets is available for interconnection with SWBT-provided UNEs.

Rates for the individual UNEs the Collocator wants to gain access to for virtual collocation purposes can be found in the individual Collocator's Interconnection Agreement with SWBT.

Unless otherwise specifically provided for in this tariff section, the provisions and rates of Section 25 of the Access Service Tariff will apply. SWBT will exercise physical control over any equipment deployed for the purposes of Virtual Collocation.

A description of the rate categories applicable to Virtual Collocation for the purpose of interconnecting to SWBT within SWBT's Central Offices is contained in 26.13.1. (Rate Elements for SWBT Central Offices). A description of the rate categories applicable to Virtual Collocation for the purpose of interconnecting to SWBT within SWBT's CEVs, Huts and Cabinets is contained in 26.13.2 (Rate Elements for SWBT CEVs, Huts and Cabinets).

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VIRTUAL COLLOCATION

26.1 General Description (Cont'd)

26.1.1 Virtual Collocation for Interconnection to SWBT for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with SWBT-Provided UNEs when the Equipment is Provided by the Collocator.

Virtual Collocation provides for interconnection between SWBT and the facilities of a virtual Collocator and is available for the transmission and routing of telephone exchange service and exchange access in SWBT Central Offices and for interconnection with SWBT-provided UNEs in SWBT Central Offices and CEVs, Huts and Cabinets.

Virtual Collocation is available at SWBT wire centers as specified in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4 and in SWBT CEVs, Huts and Cabinets. Upon request, SWBT will provide a listing of locations of SWBT CEVs, Huts or Cabinets.

The rate elements provided in this tariff section are required when Collocators use virtual collocation equipment to access UNEs. Such access is provided through cross connects purchased from the Collocator/SWBT Interconnection Agreement. Unbundled network elements including associated cross connects are obtained from the Interconnection Agreement between the Collocator and SWBT. Cross connects associated with UNEs establish the circuit between the virtually collocated equipment and these cross connects are the point at which services provided and purchased from the SWBT/Collocator Interconnection Agreement begin. Virtually collocated equipment is available as follows:

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26.1 General Description (Cont'd)

26.1.1 Virtual Collocation for Interconnection to SWBT for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with SWBT-Provided UNEs when the Equipment is Provided by the Collocator. (Cont'd)

- (A) A Collocator shall purchase from the vendor the equipment to be virtually collocated subject to the provisions as set forth in 26.1.1 (B) below and the equipment conforming to industry safety standards as described in SWBT's Technical Publication.
- (B) The Collocator may locate all equipment used and useful for interconnection to SWBT under 47.U.S.C. 251 (C) (2) and accessing SWBT's unbundled network elements under 47.U.S.C. 251 (C) (3) of the FTA 96, regardless of whether such equipment includes a switching functionality, provides enhanced services capabilities, or offers other functionalities. SWBT will permit the collocation of equipment such as DSLAMs, routers, ATM multiplexers, and remote switching modules in SWBT Eligible Structures. SWBT may not place any limitations on the ability of collocators to use all the features, functions, and capabilities of collocated equipment, including but not limited to, switching and routing features and functions. The collocator will certify in writing to SWBT that the equipment is used and useful for interconnection or access to unbundled network elements. In the event that SWBT believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements, SWBT shall notify the Collocator and provide Collocator with ten (10) days to respond. In the event that the parties do not resolve the dispute, SWBT may file a complaint at the Commission seeking a formal determination that the equipment cannot be collocated in a SWBT Eligible Structure. While the dispute is pending, SWBT will not prevent or otherwise delay installation of the disputed equipment in the Collocation space.

Regarding safety, Collocator equipment or operating practices representing a significant demonstrable technical or physical threat to SWBT's personnel, network or facilities, including the Eligible Structure, or those of others are strictly prohibited. Regarding safety, and notwithstanding any other provision hereof, the characteristics and methods of operation of any equipment or facilities placed in the virtual collocation space shall not create hazards for or cause damage to those facilities, the virtual collocation space, or the Eligible Structure in which the virtual collocation space is located; impair the privacy of any communications carried in, from, or through the Eligible Structure in which the virtual collocation space is located; or create hazards or cause physical harm to any individual or the public. Any of the foregoing would be in violation of this tariff.

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VIRTUAL COLLOCATION

26.1 General Description (Cont'd)

26.1.1 Virtual Collocation for Interconnection to SWBT for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with SWBT-Provided UNEs when the Equipment is Provided by the Collocator. (Cont'd)

(B) (Cont'd)

SWBT requires that all equipment to be collocated in SWBT's Eligible Structures meet Level 1 safety requirements as set forth in Bellcore Network Equipment - Building Systems (NEBS), but SWBT may not impose safety requirements on the Collocators that are more stringent than the safety requirements it imposes on its own equipment. SWBT may not deny collocation of Collocator's equipment because the equipment fails to meet Bellcore NEBS reliability standards. SWBT will publish, at least quarterly, a list of all network equipment installed within the network areas of its facilities within the previous twelve (12) months that fails to meet the Level 1 Safety requirements of Bellcore NEBS, and update the list as needed to keep it current. In the event that SWBT believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements or determines that the Collocator's equipment does not meet NEBS Level 1 Safety requirements, the Collocator will be given ten (10) business days to comply with the requirements or remove the equipment from the collocation space. If the parties do not resolve the dispute, SWBT or Collocator may file a complaint at the Commission seeking a formal resolution of the dispute.

(C) A Collocator may arrange for a mutually agreed upon vendor/contractor to engineer and install the virtually collocated equipment the Collocator purchases and the Collocator may pay the vendor/contractor directly. The installation contractor and their activity will be under the direction and control of Collocator who will ensure that the installation contractor meets all standards and requirements for installation of equipment, as required under this Tariff. If SWBT chooses to have its personnel present when the CLEC equipment is installed, then SWBT's presence will be at its own expense. However, if SWBT demonstrates that the CLEC contractor has or would have violated any standard or requirement for installation of equipment, as required under this tariff, the CLEC is responsible for the quantifiable expense incurred by SWBT.

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VIRTUAL COLLOCATION

26.1.2 Federal Telecommunications Act of 1996

SWBT provides virtual collocation for interconnection to SWBT for the transmission and routing of telephone exchange service and exchange access pursuant to 47 U.S.C. §251(c)(2), and for access to SWBT's unbundled network elements pursuant to 47 U.S.C. §251(c)(3).

The use of virtual collocation for (1) interconnection to SWBT or (2) access to SWBT's unbundled network elements, in either case pursuant to 47 U.S.C. §251(c), is available at SWBT wire centers as specified in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4, and in SWBT CEVs, Huts and Cabinets.

26.2 Provisioning

Virtual collocation for Interconnection to SWBT or access to SWBT-provided UNEs is ordered as set forth in SWBT's Interconnector's Collocation Services Handbook for Virtual Collocation in Texas. SWBT will designate the location or locations within its wire centers, CEVs, Huts and Cabinets for the placement of all equipment and facilities associated with virtual collocation. Virtual collocation does not involve the reservation of segregated central office or CEV, Hut and Cabinet space for the use of Collocators.

Virtual Collocation is available for the direct connection of one Collocator-provided facility to a different interconnected provided facility within the same SWBT wire center, CEV, Hut or Cabinet provided the Collocator is interconnected with SWBT's network.

SWBT will provide Virtual Collocation for comparable equipment as it provides to itself in the central office, wire center, CEV, Hut or Cabinet, as the case may be.

26.3 Collocator Responsibilities

The customer will provide, under this section of the tariff, at its expense, all facilities and equipment required to facilitate interconnection and access to SWBT UNEs. The customer will, at its expense, provide the following:

- All plug-ins and/or circuit packs (working, spare, and replacements),
- All unique tools and test equipment,
- Any ancillary equipment and cabling used for remote monitoring and control,
- Any technical publications and updates associated with all Collocator-owned and provided equipment,
- All training as described in Section 26.13.1(P),

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VIRTUAL COLLOCATION

26.3 Collocator Responsibilities (cont'd)

The Collocator will provide, at its expense, replacements for any recalled, obsolete, defective or damaged facilities, equipment, plug-ins, circuit packs, unique tools, test equipment, or any other item or material provided by the Collocator for placement in/on SWBT property. Suitable replacements are to be immediately provided to SWBT to restore equipment.

The Collocator will provide at least the minimum number of usable equipment spares specified by the manufacturer. Replacements must be delivered to the SWBT central office using the equipment spare within five (5) days of notification that a spare was used or tested defective.

26.3.1 Collocator's Microwave Equipment and Facilities

The Collocator is solely responsible for engineering, purchasing and installing microwave equipment, including microwave antenna(s), mounts, towers or other antenna support equipment (also referred to as the Outdoor Unit, or ODU), and radio transmitter/receiver equipment in the Dedicated Space. The parties will coordinate structural engineering of the ODU, including the design and construction. All Collocator activity, except that provided by SWBT approved third party vendors, will require a SWBT escort. The Collocator is responsible for all charges associated with a SWBT escort, as reflected in paragraph 26.17.3. If the Collocator provides SWBT with eight-(8) days' notice of its intention to visit the Collocator's facilities, the Eligible Structure will be "manned" for purposes of the security escort rate. Pursuant to 47 CFR Part 17, the Collocator is the antenna structure owner of any antenna structure that it engineers, purchases and installs. All microwave antennas must be physically interconnected to the Collocator's collocation equipment. The Collocator's collocated equipment at the Eligible Structure must be placed in a virtual collocation arrangement.

Before installation of the Collocator's microwave transmission facilities for access to collocation, the Collocator must obtain at its sole cost and expense all necessary licenses, permits, approvals, and/or variances for the installation and operation of the equipment and particular microwave system, and when applicable, for any towers or support structures, as may be required by authorities having jurisdiction over same.

SWBT, after coordination with the Collocator, will determine the placement and location of microwave equipment on the Rooftop or Premises Space. SWBT shall provide unobstructed line-of-sight for microwave transmission facilities for access to collocation where technically feasible, but such line-of-sight is not guaranteed to be available. If SWBT requires a building enhancement modification or through placement of additional equipment obstructs the Collocator's existing line of sight, SWBT will work with the

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VIRTUAL COLLOCATION

26.3.1 Collocator's Microwave Equipment and Facilities (cont'd)

Collocator to move the antenna mount or raise the height of the antenna mount for a clear line of sight. The cost of this modification will be borne by SWBT. SWBT will treat applications for installation of microwave transmission facilities for access to collocation on a first-come, first-served basis. If a third party applies to place equipment on the roof so that an existing line of sight would be obstructed, the third party application will be denied unless all three parties agree to move an existing arrangement to allow for a clear line of sight. The costs of moving existing rooftop facilities will be borne by the third party. SWBT retains the right to assign space.

The Collocator is solely responsible for ensuring that (1) the direction of transmission and frequencies transmitted do not interfere with the spectrum of frequencies currently being transmitted or licensed to be transmitted from the eligible structure; (2) acceptable "line of sight" capabilities and all other matters involving performance of the microwave path; and (3) the microwave equipment is maintained, and the microwave space is in good working condition.

26.4 Cooperative Responsibilities

SWBT will work cooperatively with the Collocator to develop implementation plans including timelines associated with:

- Placement of Collocator's fiber into the central office vault,
- Location and completion of all splicing,
- Completion of installation of equipment and facilities,
- Removal of above facilities and equipment,
- To the extent known, the Collocator can provide forecasted information to SWBT on anticipated additional Virtual Collocation requirements,
- To the extent known, the Collocator is encouraged to provide SWBT with a listing of the equipment types that they plan to virtually collocate in SWBT central offices or CEVs, Huts and Cabinets. This cooperative effort will insure that SWBT personnel are properly trained on Collocator equipment.

26.4.1 Microwave Transmission Facilities for Access to Collocation

This option allows Collocators, subject to the terms and conditions of this tariff, to place microwave equipment in an Eligible Structure to obtain access to a collocation arrangement containing equipment necessary for interconnection with SWBT or access to SWBT's unbundled network elements. The following three essential components will be used: (1) Rooftop or Premises Space; (2) access to space for the installation of riser cable to connect the antenna(s) on the rooftop of the Eligible Structure with the electrical interface equipment inside the Eligible Structure; (3) placement of the electrical interface equipment within the physical or virtual collocation arrangements described in SWBT's tariff and selected by the Collocator, except for adjacent off-site arrangements.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.4 Cooperative Responsibilities (Cont'd)

26.4.1 Microwave Transmission Facilities for Access to Collocation (cont'd)

SWBT will provide Rooftop or Premises Space in one (1) square foot increments; rooftop preparation or conditioning, if the roof or premises requires preparation or conditioning in order to support the Collocators antenna structure or ODU; weatherproof penetration and weatherproof housing, if needed; space and racking for the Collocator's cable to connect the antenna and the collocation space; and the collocation space from those types of available physical collocation arrangements described in paragraph 6.1.1 of the physical collocation tariff (except adjacent off-site arrangements), or from the virtual collocation tariff.

SWBT agrees to allow a Collocator access to an existing SWBT-owned Cable Entry Hatch if space is available, at no charge. If a new Cable Entry Hatch is needed by the Collocator, SWBT shall provide a Cable Entry Hatch with four ports for coaxial or fiber cables, on a pro rata basis per collocator at the rate reflected in 26.13.3 (T), following. The Collocator that requests the Cable Entry Hatch shall be entitled to place additional cables for microwave transmission facilities for access to collocation up to the capacity of the installed Cable Entry Hatch without additional charges under section 26.13.3 (T) of this tariff if the Collocator is the only Collocator using the Cable Entry Hatch or on a pro rata basis if more than one collocator is using the Cable Entry Hatch. SWBT shall allow another Collocator to place cables for microwave transmission facilities for access to collocation in the Cable Entry Hatch installed at the request of the first Collocator up to the capacity of the installed Cable Entry Hatch. When another Collocator places cables for microwave transmission facilities for access to collocation in the Cable Entry Hatch installed at the request of a previous Collocator, SWBT will refund a pro rata share of any existing Collocator's charges under section 26.13.3 (T) of this tariff. Waveguide may not be placed in the same Cable Entry Hatch or conduit as coaxial cable. SWBT retains engineering oversight over any changes to the Cable Entry Hatch.

The rates and charges for Rooftop or Premises Space preparation or conditioning, shall be determined on a case-by-case basis and shall be a Custom Work Charge, as described in Paragraph 20.1 of SWBT's physical collocation tariff. The rates and charges for Rooftop or Premises Space Rental, Antenna (ODU) to Collocation Connection and Cable Entry Hatch are as found in Paragraph 26.13.3 (R) following. The rates and charges for the physical or virtual collocation arrangement selected by the Collocator shall be those rates and charges described in SWBT's physical collocation or this virtual collocation tariff, as appropriate.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.4.1.2 Microwave Riser/Connecting Cable

The Collocator may, unless technically and structurally infeasible, use coaxial cable, dielectric fiber or waveguide to/from the collocation space and the antenna or ODU. Coaxial, fiber, or waveguide cable will be allowed as the transmission medium between the antenna or ODU and the collocation space inside the Eligible Structure unless SWBT can show that the coaxial cable or waveguide to be used will impair SWBT's ability to service its own customers or subsequent collocators.

26.4.2 Assistance with Licensing and Permitting for Microwave

If SWBT's assistance is required in order for a Collocator to obtain necessary licenses or permits related to a Collocator's placement and/or use of microwave equipment, SWBT will not unreasonably withhold such assistance and the Collocator will pay all expenses associated with that assistance.

26.5 Installation of Virtual Collocation Equipment

SWBT does not assume any responsibility for the design, engineering, testing, or performance of the end-to-end connection of the Collocator's equipment, arrangement, or facilities.

SWBT will be responsible for using the same engineering practices as it does for its own similar equipment in determining the placement of equipment and engineering routes for all connecting cabling between collocation equipment.

The Collocator will have the authority to select installation vendors. All installations of equipment will be in accordance with the Collocator-provided installation design and must comply with manufacturer's specifications and applicable published national standards approved by the FCC, and other governmental authorities that have jurisdiction.

The Collocator and SWBT must jointly accept the installation of the equipment and facilities prior to the installation of any services using the equipment. As part of this acceptance, SWBT will cooperatively test the collocated equipment and facilities with the Collocator.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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26.5 Installation of Virtual Collocation Equipment (cont'd)

26.5.1 Fiber Optic Cable Entrances (cont'd)

The Collocator shall use a dielectric fiber cable as the transmission medium to the Dedicated Space. Collocation requests utilizing facilities other than fiber will be provided as an ICB, except in the case of microwave transmission facilities for access to collocation as described in Paragraph 26.4.1. SWBT will only permit copper or coaxial cable as the transmission medium where the Collocator can demonstrate to SWBT that use of such cable will not impair SWBT's ability to serve its own customers or subsequent collocators.

26.6 Equipment Provisioning

The Collocator will arrange to deliver to the SWBT central office where the equipment is located a reasonable number, as recommended by the manufacturer, of all appropriate plug-ins, circuit packs and cards and any other equipment, plus all necessary circuit design and provisioning information on an agreed-upon date which is no later than two (2) business days prior to the scheduled turn-up of the Collocator's equipment.

For the disconnection of circuits, the Collocator will provide all circuit information no later than two (2) business days prior to the scheduled disconnection of the Collocator's circuit.

SWBT does not assume any responsibility for the design, engineering, testing, or performance of the end-to-end connection of the Collocator's circuits.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.7 Repair of Equipment

Except in emergency situations, the Collocator-owned fiber optic facilities and central office terminating equipment will be repaired only upon the request of the customer. In an emergency, SWBT may perform necessary repairs without prior notification. The labor rates specified in Section 26.13.3(Q) that apply to SWBT central offices and Section 26.13.4(F) that apply to SWBT CEVs, Huts and Cabinets are applicable for all repairs performed by SWBT on the Collocator's facilities and equipment.

When initiating repair requests on Collocator owned equipment, the Collocator must provide SWBT with the location and identification of the equipment and a detailed description of the trouble.

Upon notification by the Collocator and availability of spare parts as provided by the Collocator, SWBT will be responsible for repairing the Virtually Collocated equipment at the same standards that it repairs its own equipment.

26.8 Maintenance of Equipment

The Collocator will request any and all maintenance by SWBT on its Virtually Collocated facilities or equipment. When initiating requests for maintenance on collocated equipment, the Collocator must provide SWBT with the location and identification of the equipment and a detailed description of the maintenance requested.

Upon notification by the Collocator and availability of spare parts as provided by the Collocator, SWBT will be responsible for maintaining the Virtually Collocated equipment at the same standards that it maintains its own equipment.

26.9 Alarm Collection

The Collocator has the ability to purchase its own remote monitoring and alarming equipment. If the Collocator prefers SWBT to perform this function, it may elect to provision this arrangement under Section 25.5.1(A) of the Access Service Tariff. If the Collocator purchases this equipment, it must be identical to equipment specified in Section 25.5.1 of the Access Service Tariff.

Since the maintenance of the Collocator's equipment is at the direction and control of the Collocator, SWBT will not be responsible for responding to alarms and will only conduct maintenance and repair activities at the direction of the Collocator.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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26.10 Termination of Virtual Collocation

Upon termination of the Virtual Collocation arrangement, the Collocator will work cooperatively with SWBT to remove the Collocator's equipment and facilities from SWBT property subject to the condition that the removal of such equipment can be accomplished without damaging or endangering other equipment located in the central office. SWBT is not responsible for and will not guarantee the condition of such equipment. The Collocator is responsible for arranging for and paying for the removal of virtually collocated equipment including all costs associated with equipment removal, packing and shipping. Arrangements for and the removal of the Collocator virtually collocated equipment must be made within 30 business days after termination of the virtual collocation arrangement, unless a different time period is mutually agreed upon. SWBT shall be responsible for exercising reasonable caution when removing virtually collocated equipment. SWBT will only be responsible for damage done to such equipment caused by gross negligence on the part of SWBT or its contractors during the removal process. However, Collocators will indemnify and hold SWBT harmless for any damage done to virtually collocated equipment if SWBT permits the Collocator to hire a SWBT approved contractor to remove virtually collocated equipment. Any equipment not removed in this time frame may be removed by SWBT and stored in a non-SWBT location, at the expense of the Collocator.

Upon termination of the Virtual Collocation, the Collocator must remove the fiber entrance cable used for the Virtual Collocation. If the entrance cable is not scheduled for removal within seven (7) days, SWBT may arrange for the removal, and the Collocator will be responsible for any charges incurred to remove the cable. SWBT and the Collocator will cooperatively manage the removal process. The Collocator is only responsible for physically removing entrance cables housed in conduits or inner-ducts and will only be required to do so when SWBT instructs the Collocator that such removal can be accomplished without damaging or endangering other cables contained in a common duct or other equipment residing in the central office.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.11 Revisions

Any revision to SWBT's Interconnector's Collocation Services Handbook for Virtual Collocation in Texas, or its Technical Publication TP 76300MP, shall become effective and thereafter applicable under this tariff forty five (45) business days after such revision is released by SWBT except for those particular revisions to which the Collocator specifically objects within thirty (30) business days of receipt, providing an explanation for each objection. Upon each such objections, SWBT and the Collocator shall attempt to negotiate a resolution, either party may request resolution by the Public Utility Commission of Texas. Any revision made to address potentially harmful situations shall become effective and applicable immediately, pending resolution of the objections by the Public Utility Commission of Texas.

26.12 Dispute Resolution Process for Revisions or Implementation of Technical Publications

Disputes that cannot be resolved by the parties regarding revisions to or implementation of SWBT technical publications that apply to virtual collocation arrangements will be resolved by use of (1) mediation, (2) any dispute resolution process promulgated by the Commission, or (3) any other method mutually agreed to by the parties. Either party may use any of these options to obtain a resolution of the dispute.

26.13 Rate Regulations

This section contains specific regulations governing the rates and charges that apply to Virtual Collocation for the purpose of interconnecting to SWBT and for Access to SWBT provided UNEs when the Collocator provides the equipment.

There are two types of rates and charges that apply to the various rate elements for Virtual Collocation for interconnecting to SWBT and for Access to SWBT provided UNEs. These are non-recurring charges and monthly recurring rates.

Rates and charges specific to Virtual Collocation for interconnection with SWBT for the transmission and routing of telephone exchange service and exchange access, and for access to SWBT provided UNEs in SWBT Central Offices are set forth in 26.13.3 (Rates and Charges for SWBT Central Offices). Rates and charges specific to Virtual Collocation for access to SWBT provided UNEs in SWBT CEVs, Huts and Cabinets are set forth in 26.13.4 (Rates and Charges for SWBT CEVs, Huts and Cabinets).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices

Consistent with provisions in Section 26.1.1, the following provides a list of the specific rate elements for virtual collocation for interconnection with SWBT for the transmission and routing of telephone exchange service and exchange access, and for access to SWBT provided UNEs to be used in conjunction with virtual collocation in SWBT Central Offices. Charges applicable to virtual collocation other than those listed below are listed in Section 25 of the Access Service Tariff (Expanded Interconnection).

(A) Planning

(1) Planning Fee

The planning fee recovers SWBT costs incurred to estimate the quotation of charges, Project Management Costs, engineering costs, and other related planning activities for the Collocator's request for a virtual collocation arrangement. The planning fee also provides for SWBT personnel to survey each requested location for availability of space for the placement of entrance cables as well as to determine floor space to physically place Collocator-designated equipment expressed as a non-recurring charge. The planning fee is applied on an initial and subsequent basis. The initial charge will apply to the Collocator's request for a virtual collocation arrangement or the addition of cable. The subsequent charge will apply to any additional interconnection arrangements, as defined in Sections 26.13.1 (G)-(M) connected to existing virtual collocated equipment. Charges for this sub-element are specified in 26.13.3(A).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(B) Land and Building

This sub-element provides for the "occupancy" cost per bay framework associated with using the floor space in SWBT central offices expressed as a monthly rate. Charges for this sub-element are specified in 26.13.3(B).

(C) Relay Rack - (Optional)

This sub-element provides the cost per Standard Bay relay rack when provided by SWBT expressed as a monthly rate. SWBT's Standard Bay dimensions are 7' - 0" high and have a 23" interior width, 26" exterior width, and up to 15" deep. Charges for this sub-element are specified in 26.13.3(C).

(D) Entrance Fiber

This sub-element provides for SWBT pulling and splicing fiber cable between the manhole and cable vault, and the subsequent routing of fiber riser cable between the cable vault and FDF per fiber cable. (Note: Virtually Collocated Equipment may also be connected to dedicated transport facilities provided as Unbundled Network Elements in lieu the entrance fiber. When Virtually Collocated Equipment is connected to dedicated transport facilities in lieu of the entrance fiber, the terms, conditions and charges for such dedicated transport facilities are pursuant to the Collocator/SWBT Interconnection Agreement. No recurring or non-recurring charges for dedicated transport facilities provided as used are applicable pursuant to this Tariff). Charges for this rate element are in 26.13.3 (D).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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VIRTUAL COLLOCATION

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VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(E) DC Power Arrangement

This sub-element consists of the cable rack occupancy for the collocator provided power cables expressed as a monthly rate. In the event that a Collocator requires a power arrangement that exceeds 50 AMPS from a single source, SWBT will cooperatively work with the Collocator using comparable rate elements as the basis for such arrangements. Cable sizing is based on list 2 design loads. Charges for this sub-element are specified in 26.13.3(E).

(F) Power Consumption

(1) DC Power Per AMP

The DC power charge consists of use of the DC power system, with AC input and AC backup for up to 50 AMP (redundant) feeder power circuit expressed as a monthly rate. DC Power Charge is on a per amp basis. Charges for this sub-element are specified in 26.13.3 (F) (1).

(2) AC Power

This sub-element provides for the monthly rate for AC Power Usage to provide redundant D.C. power to the virtually collocated equipment. Charges for this sub-element are specified in 26.13.3(F) (2).

(3) Heating, Ventilating, and Air Conditioning (HVAC)

Consist of the elements necessary to provide HVAC within the Eligible Structure to the collocation arrangement and is based on the heat dissipation required for each 10 amps of DC power.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(G) Voice Grade Interconnection Arrangement

This sub-element provides for the cost associated with providing 100 voice grade pairs between the SWBT Distributing Frame and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(G).

(H) DS-1 Interconnection Arrangement to DCS

This sub-element provides for the cost associated with providing 28 DS-1 circuits between SWBT DCS functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(H). This includes the DS1-Port connecting to the virtual collocation arrangement.

(I) DS-1 Interconnection Arrangement to DSX

This sub-element provides for the cost associated with providing 28 DS-1 circuits between SWBT's DSX functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(I).

(J) DS-3 Interconnection Arrangement to DCS

This sub-element provides for the cost associated with providing one DS-3 circuit between SWBT's DCS functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(J).

(K) DS-3 Interconnection Arrangement to DSX

This sub-element provides for the cost associated with providing one DS-3 circuit between SWBT's DSX functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(K).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(L) Fiber Interconnection Arrangement

This sub-element provides for the cost associated with providing 12 fibers between SWBT's FDF and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.3(L).

(M) Collocation to Collocation Connection

This rate element includes virtual to virtual and virtual to physical connection options.

(1) Fiber Cable

This sub-element provides for direct cabling using fiber cable (12 fibers) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 26.13.3(M) (1).

(2) Copper Cable (28 DS1s)

This sub-element provides for direct cabling using copper cable (28 DS1s) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 26.13.3.(M) (2).

(3) Coax Cable (1 DS3)

This sub-element provides for direct cabling using coaxial cable (1 DS3) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 26.13.3(M) (3).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(N) Timing Source Arrangement (Optional)

A single signal from the SWBT timing source to provide synchronization between a Collocator's single network element and SWBT's equipment expressed as a recurring and non-recurring rate. Charges for this sub-element, if requested by the Collocator, are specified in 26.13.3(N).

(O) Nondesignated Conversion Arrangement (Optional)

This rate element provides the capability of converting an interconnection cross connect to the next level of capacity expressed as a combination of a non-recurring charge and a monthly rate. This rate element is provided only in the same central office as the interconnection cross connect. Three types of nondesignated conversion arrangements are available as described in (1) through (3) following. Charges for this sub-element are specified in 26.13.3(O). Should a Collocators interconnection agreement contain rates addressing this functionality (as a UNE or a portion of a UNE), the Collocators may opt for the rates contained in the interconnection agreement in lieu of the charges specified in 26.13.3(O).

(1) DS3 to DS1

Provides an arrangement that converts a DS3 interconnection cross connect to 28 DS1 channels.

(2) DS1 to Voice Grade

Provides an arrangement that converts a DS1 interconnection cross connect to 24 voice grade channels.

(3) DS1 to DS0

Provides an arrangement that converts a DS1 interconnection cross connect to 23 64.0 kbps channels.

(P) Training

SWBT is responsible for determining when training is necessary and how many SWBT employees require training to provide 24 hour a day, seven day a week coverage for the installation, maintenance and repair of Collocator's designated equipment not currently used in a wire center selected by the Collocator for virtual collocation. SWBT will be limited to request training for four (4) SWBT personnel per location, unless a different number is mutually agreed upon by SWBT and Collocator.

The Collocator may have SWBT arrange for the required training of SWBT personnel. The non-recurring charges applicable for training are listed in Section 26.13.3(P) (Rates and Charges)

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(P) Training (Cont'd)

If the Collocator does not have SWBT coordinate the required training, the Collocator may assume the responsibility for providing the training. It is then the responsibility of the Collocator to:

- (1) arrange and pay to the supplier all costs for training sessions, including course material, and
- (2) arrange and pay to each individual supplier all costs associated with lodging and other than local transportation, such as airfare, required for SWBT employee training.

SWBT will work cooperatively with the Collocator to schedule SWBT personnel training time required for the installation, maintenance and repair of the Collocator's designated equipment. The Collocator will be assessed two hours of the technician additional labor charge as specified in 25.5.7 (Rates and Charges) for SWBT personnel time required to coordinate training activities with the Collocator. The Collocator will be responsible for reimbursement of applicable SWBT contractual compensation obligations for time spent as a result of the necessary training. All other charges, if applicable, specified in 26.13.3(P)(Training) will be assessed to the Collocator.

(Q) Maintenance and Repair Labor Rates

(1) Maintenance of Equipment

This rate element is a labor rate charged by SWBT to the Collocator for ongoing maintenance of the Collocator's equipment. Any maintenance requirements will be initiated by the Collocator. Labor rates are based upon a 1/2 hour basis and are dependent upon day of week and time of day. For purposes of this Tariff, normal week day is defined as 8:00 a.m. through 5:00 p.m., Monday through Friday, excluding holidays. Non-recurring charges for this sub-element are specified in 26.13.3(Q).

(2) Repair of Equipment

This rate element is a labor rate charged by SWBT to the Collocator for repair of the Collocator's equipment. All repair will be at the direction of the Collocator.

Labor rates are based upon a charge for Network Operations Center (NOC) personnel to take the trouble report, create a trouble ticket, and dispatch a technician. Labor rates for actual repair of the trouble are based upon a 1/2 hour basis and are dependent upon day of week and time of day. For purposes of this Tariff, normal week day is defined as 8:00 a.m. through 5:00 p.m., Monday through Friday excluding holidays. Non-recurring charges for this sub-element are specified in 26.13.3(Q).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(R) Rooftop Rental

(1) Rooftop or Premises Space Rental

The Rooftop or Premises Space rental rate recovers SWBT's cost for renting to the Collocator space on the Rooftop or Premises space for the placement of microwave equipment, including antenna(s), mounts, pole or tower, associated support equipment, maintenance of the Cable Entry Hatch, access feasibility, roof location determination, application review, corporate real estate, review of application, implementation of authorizations. This rate is found in Paragraph 26.13.3 (R).

(S) Antenna (ODU) to Collocation Connection

This rate element includes the cabling connection from the antenna to the physical or virtual collocation arrangements. The rate per month covers the cost of the shared rack. The nonrecurring charge covers the cost to SWBT for engineering the connecting cable route and the engineering and construction of the dedicated rack.

(1) Fiber Cable

This rate element provides for direct cabling using fiber optic between a microwave antenna and a collocation arrangement at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are as specified in Paragraph 26.13.3 (S) (1).

(2) Waveguide Cable

This rate element provides for direct cabling using waveguide between a microwave antenna and a collocation arrangement at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are as specified in Paragraph 26.13.3(S) (2)

(3) Coaxial Cable

This rate element provides for direct cabling using coaxial cable between a microwave antenna and a collocation arrangement at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are as specified in Paragraph 26.13.3(S) (3)

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.1 Rate Elements for SWBT Central Offices (Cont'd)

(T) Cable Entry Hatch

This non-recurring element covers the cost to SWBT of engineering, furnishing and installing the weatherproof housing and penetration. The rate is as specified in Paragraph 26.13.3 (T)

(U) SONET Interconnection Arrangements

This rate element provides for the ability of collocators to interconnect with SWBT using OC3 and OC12 SONET interconnections. This rate element presumes that the collocator has also acquired a fiber interconnection arrangement.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.2 Rate Elements for SWBT CEVs, Huts and Cabinets

The following provides a list of the specific rate elements for virtual collocation for access to SWBT provided UNEs in SWBT CEVs, Huts and Cabinets. Charges applicable to virtual collocation in these structures other than those specified below are listed in Section 25 of the Access Service Tariff.

(A) Entrance Cable Fiber/Copper

This sub-element provides for the engineering of a point of appearance cable termination, preparation of work order drawings, postings of the work order and cable data in the appropriate databases for inventory and provisioning purposes, excavation to expose existing subsurface facilities, pulling the Collocator-provided cable into the eligible structure, routing, securing and preparing the end for splicing or termination. Charges for this sub-element are expressed as a non-recurring charge and can be found in 26.13.4(A).

(B) Fiber Splice and Termination

This sub-element provides for joining and terminating the fiber conductors specified by the Collocator to provide an appearance on a fiber termination unit. Charges for this sub-element are expressed as a non-recurring charge and can be found in 26.13.4(B).

(C) Copper Pair Splice and Termination

This sub-element provides for joining and terminating copper conductor pairs specified by the Collocator to provide an appearance on a copper termination unit. Charges for this sub-element are expressed as a non-recurring charge and can be found in 26.13.4(C).

(D) Fiber Termination Unit

This sub-element provides the physical hardwired unit (4 to 24 fibers) which provides the Collocator's fiber cable its point of appearance within the structure. This element is expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.4(D).

(E) Copper Termination Unit

This sub-element provides the physical hardwired unit (100 pair each) which provides the Collocator's copper cable its point of appearance within the structure. This element is expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 26.13.4(E).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.2 Rate Elements for SWBT CEVs, Huts and Cabinets (Cont'd)

(F) Maintenance and Repair Labor Rates

(1) Maintenance of Equipment

This rate element is the labor rate charged by SWBT to the Collocator for ongoing maintenance of the Collocator's equipment. This ongoing maintenance is required to insure that the collocated equipment is kept in proper operating condition. It is envisioned that any maintenance requirements will be initiated by the Collocator. Labor rates are based upon a 1/2 hour basis. Non-recurring charges for this sub-element are specified in 26.13.4(F).

(2) Repair of Equipment

This rate element is the labor rate charged by SWBT to the Collocator for repair of the Collocator's equipment. All repair will be at the direction of the Collocator.

Labor rates are based upon a charge for Network Operations Center (NOC) personnel to take the trouble report, create a trouble ticket, and dispatch a technician. Labor rates for actual repair of the trouble are based upon a 1/2 hour basis. Non-recurring charges for this sub-element are specified in 26.13.4(F).

(G) Interconnection Cross Connect

This rate element provides a cross connect for interconnecting a SWBT-provided service to an interconnection arrangement. The interconnection cross connects are for 2-wire and 4-wire Copper Terminations and Fiber Terminations. Charges for these sub-elements are specified in 26.13.4(G).

(H) Application Fee

The application fee provides for SWBT personnel to survey each requested CEV, Hut and Cabinet for availability of space for placement of copper or fiber cables as well as to determine space for any Collocator-designated equipment. This sub-element is expressed as a non-recurring charge and is specified in 26.13.4(H).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.3 <u>Rates and Charges</u>	<u>USOCs</u>	<u>Rate Per Month</u>	<u>Non-recurring Charge</u>
<u>Central Offices</u>			
(A) <u>Planning</u>			
Planning Fee			
- Initial	NRB50	\$00.00	\$4,489.21
- Subsequent	NRB5P	\$00.00	\$1,360.37
(B) <u>Land and Building</u> (Per Bay Framework)	C1FVA	\$30.65	\$00.00
(C) <u>Relay Rack (Optional)</u> (Per Rack)	SP1GL	\$16.60	\$00.00
(D) <u>Entrance Fiber</u>	SP1GN	\$14.87	\$1,123.50
(E) <u>DC Power Arrangement</u> (per arrangement)	SP1GQ	\$0.10	\$00.00
(F) <u>Power Consumption</u>			
(1) DC Power Per AMP	SP1GR	\$7.36	\$00.00
(2) AC Power (Per AMP)	C1FVB	\$2.12	\$00.00
(3) HVAC (per 10 DC amps)	SP11T	\$4.01	\$00.00
(G) <u>Voice Grade Interconnection</u> Arrangement (Per 100 Pairs)	SP1GU	\$6.44	\$1,205.78
(H) <u>DS1 Interconnection</u> Arrangement to DCS (Per 28 DS1s)	SP1GV	\$173.22	\$1,830.99

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.3 Rates and Charges (Cont'd)

	<u>USOCs</u>	<u>Rate Per Month</u>	<u>Non-recurring Charge</u>
<u>Central Offices</u> (Cont'd)			
(I) <u>DS1 Interconnection Arrangement to DSX</u> (Per 28 DS1s)	SP1GW	\$30.95	\$1,830.99
(J) <u>DS3 Interconnection Arrangement to DCS</u> (Per DS3)	SP1GX	\$173.22	\$467.89
(K) <u>DS3 Interconnection Arrangement to DSX</u> (Per DS3)	SP1GY	\$12.79	\$467.89
(L) <u>Fiber Interconnection Arrangement</u> (12 Fiber Pairs)	SP1GZ	\$8.64	\$2,933.42

(M) Collocation to Collocation Connection

Virtual to Virtual

(1) Fiber Cable (12 Fibers) - SWBT Provides Cable, Engineers and Installs	SP1G1	\$.38	\$1,155.59
(2) Copper Cable (28 DS1s) - SWBT Provides Cable, Engineers and Installs	SP16R	\$.21	\$721.30

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.3 Rates and Charges (Cont'd)

	<u>USOCs</u>	Rate Per <u>Month</u>	Non-recurring <u>Charge</u>
<u>Central Offices</u> (Cont'd)			
(M) <u>Collocation to Collocation Connection</u> (Cont'd)			
(3) Coax Cable (1 DS3)			
- SWBT Provides Cable, Engineers and Installs	SP16U	\$.21	\$184.32
 <u>Virtual to Physical</u>			
(1) Fiber Cable (12 Fibers)			
SWBT Provides Cable, Engineers and Installs	C1FVC	\$.25	\$1,155.59
(2) Copper Cable (28 DS1s)			
SWBT Provides Cable, Engineers and Installs	C1FVD	\$.20	\$ 721.30
(3) Coax Cable (1 DS3)			
SWBT Provides Cable, Engineers and Installs	C1FVE	\$.20	\$ 184.32
(N) <u>Timing Source Arrangement</u> <u>(Optional)</u>			
	SP1G4	\$4.70	\$215.00
(O) <u>Nondesignated Conversion</u> <u>Arrangement</u>			
(1) DS3 to DS1			
- First	SP1G5	\$481.13	\$1,125.35
- Additional			\$658.25
(2) DS1 to Voice Grade			
- First	SP1G6	\$139.28	\$220.50
- Additional			\$132.75
(3) DS1 to DS0			
- First	SP1G7	\$139.28	\$220.50
- Additional			\$132.75

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.3 Rates and Charges (Cont'd)

	<u>USOCs</u>	<u>Rate Per Month</u>	<u>Non-recurring Charge</u>
<u>Central Offices</u> (Cont'd)			
(P) <u>Training</u>			
(1) Training Course and Materials (Per Day Per Employee)	NRB3F	\$00.00	\$440.00
(2) Lodging (Per Day Per Employee)	NRB3G	\$00.00	\$117.80
(3) Intercity Transportation (Per Employee)	NRB3H	\$00.00	\$679.35
(4) Local Transportation (Per Odometer Mile Per Employee)	NRB3J	\$00.00	\$.50
(5) Per Diem (Per Employee)	NRB3K	\$00.00	\$ 44.00
(6) Airport Parking (Per Day, Per Employee)	NRB3L	\$00.00	\$ 7.00
(Q) <u>Maintenance and Repair Rates</u>			
(1) NOC Trouble Ticket, Each 1/4 hour	NRB3M	\$00.00	\$10.66
(2) Regular Hours-Manned Office			
- Each 1/2 hour	NRB3N	\$00.00	\$21.32
- Each Additional 1/2 hour	NRB3N	\$00.00	\$21.32
(3) After Hours Callout			
- 4 Hour Minimum	NRB3O	\$00.00	\$170.56
- Each Additional 1/2 hour	NRB3O	\$00.00	\$21.32
(4) Non-Staffed Office Any Time			
- 4 Hour Minimum	NRB3P	\$00.00	\$170.56
- Each Additional 1/2 hour	NRB3P	\$00.00	\$21.32
(R) <u>Rooftop Rental, (per square foot)</u>	C1FVF	\$3.01	\$0.00

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.3 <u>Rates and Charges</u> (Cont'd)	<u>USOCs</u>	<u>Rate Per</u> <u>Month</u>	<u>Non-recurring</u> <u>Charge</u>
<u>Central Offices</u> (Cont'd)			
(S) <u>Antenna (ODU) to Collocation Arrangement</u>			
(1) <u>Fiber Cable</u>			
- Collocator Provides Cable and Installs, SWBT Engineers	C1FVG	\$ 1.01	\$ 165.22
(2) <u>Waveguide</u>			
- Collocator Provides Cable and Installs, SWBT Engineers	C1FVH	\$ 0.00	\$ 0.00
(3) <u>Coaxial Cable</u>			
- Collocator Provides Cable and Installs, SWBT Engineers	C1FVJ	\$ 0.98	\$ 33.04
(T) <u>Cable Entry Hatch</u>	C1FVK	\$ 0.00	\$3,800.00
(U) <u>SONET Interconnection Arrangements</u>			
OC3 Interconnection (per OC3)	C1FVL	\$253.26	\$0.00
OC12 Interconnection (per OC12)	C1FVM	\$979.89	\$0.00

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.13 Rate Regulations (Cont'd)

26.13.4 <u>Rates and Charges</u>	<u>USOCs</u>	<u>Rate Per</u> Month	<u>Non-recurring</u> Charge
<u>CEVs, Huts and Cabinets</u>			
(A) <u>Entrance Cable</u> Fiber/Copper (per cable)	SP1G8	\$ 00.00	\$ 690.00
(B) <u>Fiber Splice</u> Termination (per fiber)	SP1G9	\$ 00.00	\$ 14.55
(C) <u>Copper Pair Splice/Termination</u> (Per Copper Pair)	SP1HA	\$ 00.00	\$ 10.05
(D) <u>Fiber Termination Unit</u> (Per each 4 to 24 Fibers)	SP1HB	\$ 9.98	\$1,915.00
(E) <u>Copper Termination Unit</u> (Per each 1-100 pair)	SP1HC	\$ 2.56	\$ 492.00
<u>(F) Maintenance and Repair Rates</u>			
(1) NOC Trouble Ticket, Each 1/4 hour	NRB3Q	\$ 00.00	\$ 12.45
(2) Four Hour Minimum	NRB3Q	\$ 00.00	\$ 199.20
(3) Each Additional 1/2 hour	NRB3Q	\$ 00.00	\$ 24.90
<u>(G) Interconnection Cross Connect</u> (Per Cross Connect)			
(1) Copper 2-wire			
- Initial	SP1HD	\$ 00.00	\$ 239.83
- Additional		\$ 00.00	\$ 102.19
(2) Copper 4-wire			
- Initial	SP1HE	\$ 00.00	\$ 240.84
- Additional		\$ 00.00	\$ 103.21
(3) Fiber - Per Fiber			
- Initial	SP1HF	\$ 0.80	\$ 333.46
- Additional		\$ 0.80	\$ 159.54
(H) <u>Application Fee</u>	NRB5Y	\$ 00.00	\$ 258.86

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.14 Alternative Virtual Collocation Arrangement Description

Virtual collocation wherein the Collocator maintains and repairs the virtually collocated equipment.

For purposes of virtually collocating equipment, SWBT shall determine which eligible structures require access to CEVs, Huts, or manholes containing concentrated cabling and other forms of equipment that requires drawings, schematics, or other engineering documents that aide in the prevention of accidental network outages. The drawings, schematics, or other engineering documents shall denote the location of the requesting Collocator's equipment and cabling without disclosing identity of equipment and cabling belonging to SWBT and other Collocators. Provided that SWBT is not required to make this determination prior to an executed agreement to virtually collocate in an eligible structure.

After Collocator has been provided with written notification by SWBT that access to CEVs, Huts, or manholes containing concentrated cabling and other forms of equipment requires drawings, schematics, or other engineering documents that aide in the prevention of accidental network outages, Collocators may not enter an eligible structures without obtaining updated copies of drawings, schematics, or other engineering documents. Upon request, SWBT shall immediately make available to Collocators those drawings, schematics, or other engineering documents that identify the location of the requesting Collocator's equipment and cabling. In the event the requested documents are not immediately available, SWBT shall not prevent the Collocator from entering the eligible structure. If SWBT does not immediately make the requested documents available to a Collocator and the Collocator enters the eligible structure, SWBT shall deliver the requested documents to Collocator immediately upon locating same.

SWBT will provide a security escort with the Collocator paying the expense for the escort. In areas defined in SWBT's local exchange tariff as rate groups 5,6,7 and 8, SWBT will provide the security escort within one (1) hour of notification by the Collocator. In areas defined in SWBT's local exchange tariff as rate groups 1,2,3 and 4, SWBT will provide the security escort as soon as reasonably possible, or within the time frame agreed to by the parties, at the time of notice.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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VIRTUAL COLLOCATION

26.14 Alternative Virtual Collocation Arrangement Description (cont'd)

Prior to entering an eligible structure that requires drawings, schematics, or other engineering documents, Collocators must provide SWBT with reasonable notice of the entry. Notice will be provided to SWBT's Local Operations Center, which will be available to receive notice 24 hours a day, 7 days a week. Collocators providing notice to SWBT's Local Operations Center must specify the title and date of all drawings, schematics, or other engineering documents that will be used while in the eligible structure.

The Collocator shall conduct background checks of the technicians who have access to the collocation space. Collocator technicians will be security qualified by the Collocator and will be required to be knowledgeable of SWBT security standards. Disciplinary procedures shall be established in accordance with Section 26.15.3 to ensure the safety and integrity of the Eligible Structure, including, e.g., procedures that require the responsible employee to be terminated for certain specified actions that damage or place the equipment of SWBT or other Collocators in jeopardy.

SWBT may use security devices, e.g., identification swipe cards, keyed access, and/or logs, as appropriate for the Eligible Structure where collocation will take place.

The Commission will permit SWBT to recover the cost of such security devices from the Collocators in a reasonable manner. The Collocator shall provide indemnification and insurance to cover any damages caused by the Collocator's technicians at a level commensurate with the indemnification and insurance provided by SWBT equipment suppliers with equivalent access.

Provisioning of equipment required for virtual collocation, e.g., power arrangements and interconnection arrangements will be provided in accordance with this tariff and interconnection agreements. In the event the FCC determines that SWBT may not require a security escort, then this virtual collocation option is no longer available to the Collocator.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.15 Obligations of the Collocator

26.15.1 Indemnification of SWBT

Except as otherwise provided and to the extent not contradicted herein, the indemnity provisions of the Interconnection Agreement between SWBT and the Collocator shall apply and are incorporated herein by this reference. However, in no event will the provisions in this section supersede or override the indemnification provisions contained in the interconnection agreement between SWBT and Collocator. Additionally, in the event of a conflict between indemnification provisions in the interconnection agreement and the Tariff, the provisions in the interconnection agreement will control.

Collocator's shall indemnify and hold harmless SWBT the agents, employees, officers, directors and shareholders of any of them ("Indemnities"), from and against any and all liabilities, obligations, claims, causes of action, fines, penalties, losses, costs, expenses (including court costs and reasonable attorney's fees), damages, injuries, of any kind, (individually and collectively "Liabilities"), including but not limited to, Liabilities as a result of (a) injury to or death of any person; (b) damage to or loss or destruction of any property; or (c) Liabilities related in any manner to employee benefits, workers compensation, payroll tax, and any other employer obligations which may be asserted against SWBT where such liabilities arise in connection with Collocator's use of persons that it classifies as an independent contractor or subcontractor to perform obligations under this Tariff; (d) attachments, liens or claims of material persons or laborers arising out of or resulting from or in connection with this Tariff or the performance of or failure to perform and directly or indirectly caused, in whole or part, by acts of omissions, negligent or otherwise, of Collocator or a contractor or a representative of Collocator or an employee of any one of them, except to the extent such Liabilities arise from the negligence or willful or intentional misconduct of SWBT or its employees. The provisions in this section are reciprocal and applicable also to SWBT.

SWBT shall make best efforts to promptly notify Collocator of any suit or other legal proceeding asserting a claim for Liabilities. Upon request, Collocator shall, at no cost or expense to the Indemnatee, defend any such suit or legal proceeding asserting a claim for Liabilities, and Collocator shall pay any costs and attorneys' fees that may be incurred by any Indemnatee in connection with any such claim, proceeding or suit. Collocator shall also (a) keep SWBT and any other Indemnatee subject to any such claim fully informed as to the progress of such defense, and (b) afford SWBT and such Indemnatee, each at its own expense, an opportunity to participate on an equal basis with Collocator in the defense or settlement of any such claim.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.15.2 Insurance

The Collocator agrees to maintain, at all times, the following minimum insurance coverages and limits and any additional insurance and/or bonds required by law:

- (A) Workers' Compensation insurance with benefits afforded under the laws of the State of Texas and Employers Liability insurance with minimum limits of \$100,000 for Bodily Injury-each accident, \$500,000 for Bodily Injury by disease-policy limits and \$100,000 for Bodily Injury by disease-each employee.
- (B) Commercial General Liability insurance with minimum limits of: \$2,000,000 General Aggregate limit; \$1,000,000 each occurrence sub-limit for all bodily injury or property damage incurred in any one occurrence; \$1,000,000 each occurrence sub-limit for Personal Injury and Advertising; \$2,000,000 Products/Completed Operations Aggregate limit, with a \$1,000,000 each occurrence sub-limit for Products/Completed Operations. Fire Legal Liability sub-limits of \$300,000 are required for lease agreements. SWBT will be named as an Additional Insured on the Commercial General Liability policy.
- (C) If use of an automobile is required, Automobile Liability insurance with minimum limits of \$1,000,000 combined single limits per occurrence for bodily injury and property damage, which coverage shall extend to all owned, hired and non-owned vehicles.

SWBT requires that companies affording insurance coverage have a B+ VII or better rating, as rated in the A.M. Best Key rating Guide for Property and Casualty Insurance Companies.

A certificate of insurance stating the types of insurance and policy limits provided the Collocator must be received prior to commencement of any work. The insurance provisions and requirements are reciprocal to SWBT as well. If a certificate is not received, SWBT will notify the Collocator and the Collocator will have 5 business days to cure the deficiency. If the Collocator does not cure the deficiency within 5 business days, Collocator hereby authorizes SWBT, and SWBT may, but is not required to, obtain insurance on behalf of the Collocator as specified herein. SWBT will invoice Collocator for the costs incurred to so acquire insurance.

The cancellation clause on the certificate of insurance will be amended to read as follows:

"SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED OR MATERIALLY CHANGED, THE ISSUING COMPANY WILL MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER."

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff

VIRTUAL COLLOCATION

26.15 Obligations of the Collocator (Cont'd)

26.15.2 Insurance (cont'd)

The Collocator shall also require all contractors who may enter the Eligible Structure to maintain the same insurance requirements listed above.

Self-insurance in lieu of the insurance requirements listed preceding shall be permitted if the Collocator 1) has a tangible net worth of Fifty (50) Million dollars or greater, and 2) files a financial statement annually with the Securities and Exchange Commission and/or having a financial strength rating of 4A or 5A assigned by Dun & Bradstreet. The ability to self-insure shall continue so long as the Collocator meets all of the requirements of this Paragraph. If the Collocator subsequently no longer satisfies this Paragraph, the coverage requirements described above shall immediately apply.

26.15.3 Conduct While in SWBT Eligible Structures

Collocators and SWBT will each establish disciplinary procedures up to and including dismissal or denial of access to the Eligible Structure and other SWBT property for certain specified actions that damage, or place the equipment, facilities, or the network or the personnel of the Collocators or SWBT in jeopardy. The following are actions that could damage or place the Eligible Structure, or the network or the personnel of the Collocators or SWBT in jeopardy and may justify disciplinary action up to and including dismissal or the denial of access to the Eligible Structure and other SWBT property:

- (a) Theft or destruction of SWBT's or Collocator's property;
- (b) Use/sale or attempted use/sale of alcohol or illegal drugs on SWBT property;
- (c) Threats or violent acts against other persons on SWBT property;
- (d) Knowing violations of any local, state or federal law on SWBT property;
- (e) Permitting unauthorized persons access to SWBT or Collocator's equipment on SWBT property; and
- (f) Carrying a weapon on SWBT property.

In addition, Collocator and SWBT will take appropriate disciplinary steps as determined by each party to address any violations reported by SWBT or the Collocator of SWBT's policies and practices on security, safety, network reliability, and business conduct as defined in SWBT's Interconnector's Collocation Services Handbook for Virtual Collocation in Texas, provided the Handbook and any and all updates to it are timely provided to Collocator at no charge.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.16 Cooperative Responsibilities

26.16.1 Qualification of Collocators

Collocator technicians will be security qualified by the Collocator and will be required to be knowledgeable of SWBT security standards. Collocator personnel and technicians will undergo the same level of security training, or its equivalent that SWBT's own employees and authorized contractors must undergo. SWBT will not, however, require Collocators to receive security training from SWBT, but will provide information to Collocators on the specific type of training required. Collocators can then provide their employees with their own security training. Qualification program and security training details shall be included in SWBT's Interconnector's Collocation Services Handbook for Virtual Collocation in Texas.

26.17 Rate Regulations

The rate regulations, rate element descriptions and rates and charges included in 26.13 preceding apply to this virtual collocation alternative wherein the Collocator maintains and repairs the virtually collocated equipment. Additional rate elements and rates apply to this alternative as provided for below.

26.17.1 Rate Elements for SWBT Central Offices

(A) Security Escorts

This security escort charge consists of the charges for SWBT-provided security escorts for Collocator access to their virtual collocation space in Staffed and Unstaffed Central Offices. Any escort requirements will be initiated by the Collocator. Labor rates are based upon a 1/2 hour basis and are dependent upon day of week and time of day. For purposes of this tariff, normal week day is defined as 8:00 a.m. through 5:00 p.m., Monday through Friday, excluding holidays. The billing period will start at the time the technician is contacted. This will allow for travel time to reach the agreed meet point. Access requests outside of normal business hours or for unstaffed Central Offices which are cancelled will be subject to the minimum four (4) hour call out charge. Non-recurring charges for this sub-element are specified in 26.17.3(A) following.

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff

VIRTUAL COLLOCATION

26.17 Rate Regulations (Cont'd)

26.17.1 Rate Elements for SWBT Central Offices (cont'd)

(B) Safety and Security

This charge represents reasonable costs incurred by SWBT to secure its equipment contained within the used space of the Central Office. This charge is expressed as a recurring rate on a per square foot basis as specified in 26.17.3 (B) following and was developed based on implementation of varying combinations of the following security measures and devices:

- Interior Security Partition separating SWBT equipment
- Provisioning of door locks and keying of existing doors
- Door access controller and network controller necessary for a card reader system
- Security camera systems
- Locking cabinets and network equipment
- Combination door locks
- Cable locks for computer terminals and test equipment
- Secure ID/password protection for computer systems
- Emergency exit door alarms

In the event SWBT elects to erect an interior security partition in a given Central Office to separate its equipment, the lesser of the costs of the partition or a security camera system for such Central Office shall be applicable. In no event shall a Collocator be required to pay for both an interior security partition to separate SWBT's equipment in a Central Office and a security camera system for such Central Office.

26.17.2 Rate Elements for SWBT CEVs, Huts and Cabinets

(A) Security Escorts

The security escort charge consists of the charges for SWBT-provided security escorts for Collocator access to their virtual collocation space in CEVs, Huts and Cabinets. Any escort requirements will be initiated by the Collocator. Labor rates are based upon a 1/2 hour basis. The billing period will start at the time the technician is contacted. This will allow for travel time to reach the agreed meet point. Access requests which are cancelled will be subject to the minimum four (4) hour call out charge. Rates and charges are as found in 26.17.4(A).

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

VIRTUAL COLLOCATION

26.17 Rate Regulations (Cont'd)

26.17.3 Rates and Charges

	<u>USOCs</u>	<u>Rate per Month</u>	<u>Non-recurring Charge</u>
<u>Central Offices</u>			
(A) <u>Security Escorts,</u> per visit			
(1) Staffed Building			
- Access during normal business hours			
- Each 1/2 hour	NRB5U	\$00.00	\$ 24.90
- Each additional 1/2 hour	NRB5U	\$00.00	\$ 24.90
- Access outside normal business hours			
- 4 hour minimum	NRB5V	\$00.00	\$ 199.20
- Each additional 1/2 hour	NRB5V	\$00.00	\$ 24.90
(2) Unstaffed Building, Anytime			
- 4 hour minimum	NRB5W	\$00.00	\$ 199.20
- Each additional 1/2 hour	NRB5W	\$00.00	\$ 24.90
(B) <u>Safety and Security</u> (Per square foot)			
	SP16Z	\$00.00	\$ 00.00

26.17.4 Rates and Charges

CEVs, Huts and Cabinets

(A) <u>Security Escorts,</u> per visit			
- 4 hour minimum	NRB5X	\$00.00	\$ 199.20
- Each additional 1/2 hour	NRB5X	\$00.00	\$ 24.90

NOTE: The terms and conditions of this tariff, including rates and charges, may be modified by appeals of Project/Docket No.21333. True-ups, refunds or surcharges could occur if such an appeal alters the rates and charges in this tariff.

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27. RESERVED FOR FUTURE USE

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Section: 27
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