
EXCHANGE INTERCONNECTION SERVICE

42.1 GENERAL

- 42.1.1 This Section provides for the availability and use of specific Telephone Company provided facilities in the provisioning of discretionary services by an Enhanced Service Provider (ESP) hereafter referred to as customer.
- 42.1.2 These regulations and rates are in addition to the regulations and rates specified in other Telephone Company tariffs and Guidebook where referenced. Failure to observe these rules and regulations gives the Telephone Company the right to discontinue the service. (AT)

42.2 SERVICE DESCRIPTION

- 42.2.1 This service is provided to customers in the form of a Local Serving Arrangement (LSA) and Optional Service Features.
- 42.2.2 The LSA forms the local access arrangement that provides the customer access to the exchange network. It is a prerequisite to ordering any Optional Service Feature (OSF) which is provided in the Guidebook. Each LSA consists of three (3) components: Access Link, Features/Functions and Transport. (CT)
- 42.2.3 An OSF offers the customer basic options that facilitate the customer's opportunity to offer enhanced services to its patrons in a flexible manner.

42.3 EXPLANATION OF TERMS

- 42.3.1 Access Link - The local loop facilities from the customer's premises to the first point of termination at the customer's serving central office.
- 42.3.2 Channel Interconnections - Central office equipment that connects an individual multiplexed channel to a switch termination.
- 42.3.3 Switch Termination - Central office equipment and wiring that connects an access link or channel interconnection to the central office switch.
- 42.3.4 Dial-Tone Office - The central office providing the LSA.
- 42.3.5 Multiplexed Arrangement - Central office equipment that combines individual channels together for transport over a single communications facility.

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42.3 EXPLANATION OF TERMS-(Continued)

42.3.6 Enhanced Service - Services offered over Telephone Company transmission facilities which employ computer processing applications that act on the format, content, code, protocol or similar aspects of the patron's transmitted information; provide the patron additional, different or restructured information or involve patron interaction with stored information; i.e., use of computer processing applications for:

- A. Change in format of patron information and delivery of information in the changed format,
- B. Provision of additional information, or
- C. Patron interaction with stored information.

42.3.7 Optional Expanded Calling Scope - An optional service which extends the local calling scope of the LSA. This optional service is available only in specified exchanges, where Local-Metropolitan and Special Optional Local-Metropolitan Services are offered in Part 4, Section 1 of the Guidebook.

(CT)
(AT)

42.3.8 Features/Functions - The interface/interconnect between the Access Link and the Telephone Company exchange network.

42.3.9 Local Serving Arrangement (LSA) - This is the basic arrangement which provides the customer access to the Telephone Company Exchange network.

42.3.10 Optional Service Feature (OSF) - Basic options associated with a LSA.

42.3.11 Originating - Calls incoming to the customer from the Telephone Company exchange network.

42.3.12 Patron - A user of the enhanced services being offered by the customer.

42.3.13 Terminating - Calls outgoing from the customer to the Telephone Company exchange network.

42.3.14 Transport - Switched call processing and delivery.

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42.4 UNDERTAKING OF THE TELEPHONE COMPANY

42.4.1 The Telephone Company will provide all of the service components necessary for the provisioning of Exchange Interconnection Service up to and including the network interface at the customer's premises.

42.4.2 The calling scope for the LSA is the geographic area which includes all wire centers comprising the local calling scope of a specified metropolitan exchange area or local exchange area.

42.4.3 The LSA and related Optional Service Features offered in this Tariff and Guidebook are only available where facilities permit. (AT)

42.4.4 Miscellaneous services, which are technically compatible to the services offered in this Tariff or Guidebook, may be provided at the rates and charges specified in the applicable sections of this, other tariffs or the Guidebook of the Company. (CT)
(CT)
(CT)

42.5 LIMITATIONS

42.5.1 Components of an LSA (Access Link, Features/Functions and Transport) are not to be offered separately. Further, only switch terminations offered from this Tariff or Guidebook may be associated with a Multiplexed Arrangement. (AT)

42.5.2 Directory Listings will not be provided as a part of Exchange Interconnection Service. Directory listings will be provided for customers at rates specified in Part 11 of the Guidebook. (CT)

42.5.3 Rates for local directory assistance calls, which are provided by the Telephone Company, will apply as specified in the Directory Assistance Service Part 11 of the Guidebook, except that no call allowances, offset or exemptions will be allowed. (CT)

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42.5 LIMITATIONS-(Continued)

- 42.5.4 An OSF offered in Part 6, Section 5 of the guidebook is available only when provided in conjunction with an LSA as offered in this Tariff or the Guidebook. (CT)
(CT)

42.6 OBLIGATIONS OF THE CUSTOMER

- 42.6.1 Customers will provide the terminal equipment, derivation equipment or communications systems, as required for use with the services offered in this Tariff and the Guidebook. (CT)

- 42.6.2 Synchronization of the digital network will be provided in accordance with TA-NPL-000436 DIGITAL SYNCHRONIZATION NETWORK PLAN, ANSI T1.101 - 1987 SYNCHRONIZATION INTERFACE STANDARDS FOR DIGITAL NETWORKS and TR-NPL-000275 SYNCHRONIZATION OF THE INTRA-LATA DIGITAL NETWORK.

42.7 APPLICATION OF CHARGES

42.7.1 Local Serving Arrangement

Rates and Charges for the provision of the LSA are encompassed in three service component charges:

- A. The Access Link Charge relates to local loop facilities between the customer and the first point of termination in the customer's serving central office. Foreign Serving Office Service rates and charges do not apply to the LSA.
- B. Features/Function Charges relate to the interface/interconnect between the Access Link and the Transport facility.
- C. The Transport Charge relates to the provision of switching and transmission facilities that are necessary to facilitate end-to-end connectivity between the customer and his patrons.
 - 1. Originating Transport applies to the inward delivery of calls to the customer's premises.
 - 2. Terminating Transport applies to the outward delivery of calls from the customer's premises to locations within the local calling scope of the dial-tone office.

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42.7 APPLICATION OF CHARGES-(Continued)

42.7.2 Installation Charges

The application of Installation Charges as found in Section 42, Paragraphs 42.8.1 and 42.8.2, of this Tariff are as follows:

A. Installation Charges

1. First - Applies to the first unit per customer request, per due date, per account, at each central office from which service is provided.
2. Additional - Applies to each additional unit(s) on the same request as the initial unit, same due date, same account and same location.

B. Subsequent Installation Charges apply only to Local Serving Arrangements as follows:

1. First - Applies to the first unit per customer request, per due date, per account, at each central office served, when a Channel Interconnection is added to an existing Multiplexed Arrangement.
2. Additional - Applies to each additional unit(s) on the same request as the initial unit, same due date, same account and same location.

42.8 RATES AND CHARGES

42.8.1 Local Serving Arrangement (1)(2)

A. Circuit Switched-Voice Grade Connection

A voice grade serving arrangement that provides a customer network access, one and two-way communications capability and access to available Optional Service Features via a connection to the circuit switched network. All calls are set up and taken down on a call-by-call basis.

(1) When a customer requests an LSA from a serving office in an exchange outside the exchange area in which the customer's premises is located Foreign Exchange Service Charges apply.

(2) Refer to Part 3 of the Guidebook for Hunting Arrangement Rates and Charges.

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42.8 RATES AND CHARGES (Continued)

42.8.1 Local Serving Arrangement (1)(2)-(Continued)

A. Circuit Switched-Voice Grade Connection-(Continued)

	<u>Monthly Charge</u>	<u>Installation Chg.</u>	
		<u>First Unit</u>	<u>Add'l Unit</u>
1. Access Link			
2-wire, per facility (1RSV2)	\$ 31.00	\$150.00	\$ 85.00
DS1, per facility (1RSD4)	\$165.00	\$800.00	\$470.00
2. Features/Functions			
Switch Terminations (3)			
(1) Analog Voice Grade (Line Side)(Select One)			
a. Inward (B1N1X)	\$ 3.40	\$ 1.00	\$ 1.00
b. Outward (B1N0X)	\$ 3.40	\$ 1.00	\$ 1.00
c. 2-way (B1NCX)	\$ 3.40	\$ 1.00	\$ 1.00
Multiplexed Arrangements			
(1) Multiplexed DS1 to Voice, per DS1 Access Link (MU74X)	\$195.00		
a. Analog Voice Grade Channel Interconnection, per Activated Channel (N2X2X)(4)	\$ 3.90	\$ 65.00	\$ 45.00
<u>Subsequent Order</u>			
a. Analog Voice Grade Channel Interconnection, per Activated Channel (N2X2X)(4)	\$ 3.90	\$ 75.00	\$ 45.00

- (1) When a customer requests an LSA from a serving office in an exchange outside the exchange area in which the customer's premises is located Foreign Exchange Service Charges apply.
- (2) Refer to Part 3 of the Guidebook for Hunting Arrangement Rates and charges. (CT)
- (3) End User Common Line (EUCL) charges apply per Switch Termination.
- (4) A technically compatible switch termination is required per activated channel for circuit switched voice grade type service.

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42.8 RATES AND CHARGES-(Continued)

42.8.1 Local Serving Arrangement-(Continued)

A. Circuit Switched-Voice Grade Connection-(Continued)

3. Transport (1)

(1) Originating - per minute of use

Rate Per Minute

\$.009

(2) Terminating - per minute of use within the Local Calling Scope (2)

Call Miles

Rates Per Minute

0 to 1

\$.0359

Over 1 to 25

\$.0400

Over 25

\$.0517

42.8.2 Rearrangement Charges

A. Change type of Supervisory Signaling
per switch termination \$ 40.00

B. Change Directionality
per switch termination \$ 25.00

- (1) The timing of messages begins when connection is established between the calling and the called telephone and ends when the connection is terminated at any point. The sum of the minutes of use by telephone number or (in the case of hunting lines) by the lead telephone number will be rounded to the next higher 1/10 of a minute for each billing period. Fractional charges will be rounded to the next higher penny.
- (2) Terminating Transport Charges apply to all outgoing calls, except those that are placed to the Telephone Company (i.e., directory assistance, repair service, business office), toll and authorized emergency number, 911.

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42.8 RATES AND CHARGES (cont'd)

42.8.3 Optional Service Features

1. Subscriber Information Interface

- A. Subscriber Information Interface (SII) provides originating call information and the capability to activate and deactivate a Message Waiting Indicator (MWI) on patron lines. The service is provided utilizing special central office facilities and dedicated channels.
- B. The MWI is provided in the form of an intermittent dial tone (Audible MWI) and/or a Visual MWI and notifies the patron that some type of action is warranted; i.e. a message is waiting for retrieval. Alerting tone capabilities are limited to customer patrons whose local exchange telephone service is served from the same switching system as that of the Subscriber Information Interface.
- C. Originating call information includes the Local Serving Arrangement line and/or terminal identification, call reason (call forward type or direct call) and the patron's directory number. Originating Call Information is delivered only when the patron is served from the same switching system as the Subscriber Information Interface. Customers will be required to sign an agreement not to disclose the calling party's directory number disclosed as a result of this service, unless permission is given by the calling party.

	<u>Monthly Rate</u>	<u>Installation Charge</u>
(1) Subscriber Information Interface, each (MN)(1)	\$250.00	\$800.00
	<u>Rate(2)</u>	
(2) Originating Call Information, per call delivered		\$.006

(1) In addition, a Voice Grade type data channel is required. Charges apply as specified in the Special Access Section of the Intrastate Access Service Tariff, or private line charges, as specified in Part 15, Section 2 of the Guidebook. For rate application purposes the SII Serving Office is considered to be a customer-premises location. (CT)

(2) Charges are summed and rounded to the next higher penny by billing period by telephone number or in the case of hunting lines by lead telephone number. (CT)

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42.8 RATES AND CHARGES (cont'd)

42.8.3 Optional Service Features

2. Network Subscriber Information Interface (NSII)

A. Where available, NSII provides:

- originating call information,
- the ability to activate and deactivate an intermittent dial tone or a visible light signal (Message Waiting Indication) on patrons' lines in multiple Company offices throughout the LATA (1), and/or
- the ability to direct Message Waiting Indicator (MWI) messages to one pre-defined SS7 Point Code of the customer's suitably equipped Alternate Network service provider within the LATA (2).

It allows the customer (Voice Messaging Service Provider) to perform these functions in multiple offices through a connection to a single Message Node office.

The customer may request a specific central office to serve as the Message Node office, but the Company retains final authority in choosing the Message Node office for each NSII arrangement. The delivery of Originating Call Information from Company offices is included in the monthly rate for this feature. NSII is subject to capacity limitations of the voice messaging platform, the NSII link, and the Local Serving Arrangement.

- B. A Local Serving Arrangement is required in conjunction with NSII. The same Local Serving Arrangement cannot be used in conjunction with both NSII and Subscriber Information Interface. If both of these Optional Service Features are used by a customer in the same location, separate Local Serving Arrangements are required and will be distinguished from one another by the use of different USOC codes.

- (1) Originating Call Information and Message Waiting Indication activation/deactivation capabilities are limited to Voice Messaging Service Providers' patrons whose local exchange telephone service is served by equipped switching systems within the Message Node Service Area.
- (2) The Alternate Network telephone numbers must be in the same LATA as the customer's Local Serving Arrangement.

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42.8 RATES AND CHARGES (cont'd)

42.8.3 Optional Service Features (cont'd)

2. Network Subscriber Information Interface (NSII) (cont'd)

<u>Description</u>	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Rate</u>	
NSII per Message Node Service Area	(M2N)(1)	\$6000.00	\$4000.00	(CT)

- (4) In addition, a Voice Grade 6 circuit is required for transport and this is present in the F.C.C. Tariff No. 73, Original page 13.33. The necessary rate elements for this connection are two local channels, two interoffice and/or two interexchange channel terminals, interoffice and/or interexchange mileage. A dial-up emergency back up feature is provided for this circuit as a standard function of this service. In order to take advantage of this feature, the customer must subscribe to one additional Local Serving Arrangement with a direction (inward) switch termination and one additional separate Switch Termination. The customer is responsible for providing compatible premises equipment in order to utilize the dial-up emergency back up feature.

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42.8 RATES AND CHARGES (cont'd)

42.8.3 Optional Service Features (cont'd)

3. Optional Expanded Calling Scope(1)

<u>Description</u>	<u>USOC</u>	<u>Monthly Rate(6)</u>
A. Local-Metropolitan "A"(2)	EXCTH	\$10.75
B Local-Metropolitan "B"(3)	EXCTJ	10.00
C. Spec. Opt. Local-Metropolitan "A"(4)	EXCTK	16.35
D Spec. Opt. Local-Metropolitan "B"(5)	EXCTL	16.60

- (1) This optional service is available only in conjunction with Local Serving Arrangements ordered from this tariff. The rate is in addition to all rates and charges associated with the related LSA. The monthly rate is assessed on each Switch Termination associated with the LSA for which this feature is ordered.
- (2) Available only in the Greenwood, Grain Valley and Smithville exchanges.
- (3) Available only in the Chesterfield, Fenton, Manchester, Maxville and Valley Park exchanges.
- (4) Available only in the Antonia, Pond, Eureka and Portage Des Sioux exchanges.
- (5) Available only in the High Ridge, Imperial, St. Charles and Harvester exchanges.
- (6) If ordered on the same order as related LSA, no additional service charge applies. If ordered for an existing LSA, each LSA is assessed the service charge found in Part 3 of the Guidebook for change of telephone number. (CT)

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