

ITEM
270 **Interconnecting Circuits With Trunk Side Access**

ITEM
270.1 **General**

1. An interconnecting circuit with Trunk Side Access refers to a connecting arrangement provided by the Company over which traffic from the IXC's network can be routed for termination in the local PSTN.
2. An interconnecting circuit with Trunk Side Access may be arranged for Feature Group D service, which provides the IXC with the capability of offering subscribers access to its network by dialing 1+, 0+, 00-, 1028X, 01+ or 011+. Interconnecting circuits with Trunk Side Access arranged for Feature Group D service may be connected to an Access Tandem (AT Connection) or to an End Office (Direct Connection), and may use Multi-Frequency (MF) signalling or CCS7 signalling, subject to the availability of suitable facilities.
 - a. Access to the IXC's network from TCI's pay telephones is available via 1028X dialing. The Company will not accept coin payment for such calls.
 - b. An interconnecting circuit with Trunk Side Access may be arranged to provide for the routing of 800/877/888 calls destined for the IXC's network. This arrangement is available for AT Connections only and may use MF or CCS7 signalling.
 - c. Interconnecting circuits with Trunk Side Access established for the purpose of routing 800/877/888 calls destined for the IXC's network must be arranged for one-way service.
 - d. The following service charges are associated with the provisioning of interconnecting circuits with Trunk Side Access and CCS7 links and will apply for each DS-0 Set. A DS-0 Set is defined as a group of DS-0s which are of the same type (i.e., Feature Group D, or 800/877/888), within the same DS-1, connected at the same location and ordered at the same time.

	Service Charge
Inward Order, each DS-0 Set	\$ 657.92
Change Order, each DS-0 Set	427.47

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3. As a condition for network interconnection with the Company:
 - a. all carriers that establish network interconnection and call routing arrangements related to 900 calls must abide by the CRTC-mandated consumer safeguards for 900 service as outlined in Telecom Decision CRTC 2006-48 (Appendix A), and as amended by the CRTC from time to time thereafter; and
 - b. these carriers are to include and enforce in all contracts or other arrangements with their 900 service content provider customers the requirement to abide by these same CRTC-mandated consumer safeguards.

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270.2 **Network Charges**

1. When the IXC requests an Interconnecting Circuit providing 1+800, 1+950, 1+ or 1028X access (Trunk Side Access), a switching and aggregation charge as specified in the table below applies to each minute of voice and data traffic carried on the Interconnecting Circuit.

When a call is blocked from the Direct Connection and, using overflow routing, is routed to the IXC by means of an Access Tandem (AT) Connection, the switching and aggregation charge related to an AT Connection, as specified below, applies for that call.

2. The switching and aggregation charge relates to all associated switching, transport and signalling functions performed by the Company at the originating or terminating end of a call, including, subject to availability.
 - a. hardware answer supervision, and TCI's public switched telephone network.
 - b. delivery of calling line identification.
3. This charge is assessed on the basis of conversation minutes and is derived by multiplying the charge based on total elapsed carrier connect time by the connect time to conversation minutes ratio.
4. Switching and Aggregation charge, each minute of originating or terminating traffic:

The switching and aggregation charge specified below will be attributed to TCI on each minute of TCI originating and/or terminating voice and data traffic carried over the interexchange portion of the public switched telephone network

Exception: The switching and aggregation charge does not apply to TCI voice and data traffic entering or exiting Canada on TCI's public switched telephone network.

	Charge Based on Connect Time	Connect Time to Conversation Minutes Ratio	Charge Based on Conversation Minutes
Direct Connection	\$ 0.00093	1.0722	\$ 0.00100
Access Tandem (AT) Connection	\$ 0.00139	1.0722	\$ 0.00149

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270.2 **Network Charges - Continued**

Reserved for future use.

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270.2 **Network Charges – Continued**

5. In addition to the switching and aggregation charge, 800/877/888 dialed calls routed to the IXC are subject to a carrier identification charge as specified below. This charge will also be attributed to the Company.

	Charge
800/877/888 Carrier Identification Charge, each call	\$0.0018 §

6. Digital Network Access

TCI will furnish digital Facilities for Interconnecting Circuits at rates and charges specified in General Tariff 21461 Item 500.

7. Signaling Connections

- a. When CCS7 signaling is requested, CCS7 links are required. CCS7 links refer to the DS-0 channels between TCI's designated gateway Signaling Transfer Points (STPs) and the IXC's STPs or between TCI's designated gateway STPs and the IXC's switch(es). This interconnecting arrangement may be provided by TCI, subject to the availability of suitable facilities, or by another designated carrier, to carry CCS7 signaling information associated with interconnecting circuits with Trunk Side Access which connect TCI or another carrier to the IXC for the purposes of call set-up and take down. CCS7 links between the designated TCI gateway STPs and the IXC's STPs may also be used for Billed Number Screening (BNS) database access.

§ Application of the 2020 I-X constraint did not result in a change to this rate due to rounding.

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- b. An STP port connection is required for each DS-0 CCS7 link between TCI's Stentor gateway STPs and the IXC's STPs. An IXC Switch-to-STP connection is required for each DS-0 CCS7 link between TCI's gateway STP and the IXC's switch. An IXC may establish either IXC STP-to-STP connections or IXC Switch-to-STP connections but not both.

Service Item	Charge (Note 1)
STP Port Connection	\$ 1,063.18
IXC Switch-to-STP Connection, each connection each month	560.57
IXC Switch-to-STP Connections Provisioning Charge (Note 2), each IXC	2,697.84

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Note 1: These charges are in addition to the rates and charges associated with the provision of the interconnecting circuit.

Note 2: This one-time service charge covers the initial operations and translations costs associated with the provisioning of the IXC Switch-to-STP connections.

- c. When it is necessary for TCI to incur expense in order to meet IXC requirements for subsequent additions or changes to STP-to-STP port connections or IXC Switch-to-STP connections, TCI will file a Special Assembly tariff reflecting an amount based on estimated time and costs incurred to meet the IXC request. (Note: Pursuant to Telecom Order CRTC 95-750.)

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270.4 **Primary Interexchange Carrier (PIC) Processing**

1. When the IXC is provided with Interconnecting Circuits with Trunk Side Access arranged for Feature Group D service, the IXC can offer its Subscribers access to its network through 1+, 0+, 01+, 011+ and 00- dialing. Such access is enabled through the identification of the IXC as the Subscriber's Primary Interexchange Carrier (PIC). PIC selections may be specified for eligible TCI provided primary monopoly exchange services which provide direct voice access to the PSTN through "1+" dialing and which are provisioned in end offices which support Feature Group D. A list of specific eligible services is included in the PIC/CARE Access Customer Handbook ("the Handbook") described below.
2. An IXC with Feature Group D service is required to establish a PIC processing account with TCI, at least sixty (60) calendar days prior to the requested commencement of PIC processing. When the account is established, the IXC must identify the PIC processing parameters and options required, as specified in the IXC's Customer Account Record Exchange (CARE) Profile which is provided in the Handbook. The establishment of the PIC processing account is subject to a service charge for Account Set-up as set out in the table below. Changes to the IXC's CARE Profile are also subject to service charges as set out in the table below. Subsequent changes to these parameters and options must be provided in writing at least thirty (30) calendar days prior to the requested date for implementation of the changes.
3. TCI will provide each IXC which establishes a PIC processing account with two (2) copies of the Handbook. The Handbook reflects standards and procedures for the processing of PIC transactions between TCI and the IXC. Additional copies of the Handbook are provided subject to the charge as set out in the table below.
4. PIC processing charges apply for establishing or changing the PIC selection for Subscribers access lines, such as for new or additional access lines, Subscriber moves, and Subscriber initiated number changes. Charges for processing Subscriber PIC transactions shall be assessed to the IXC selected by the Subscriber and are as set out in the table below.

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5. In the case of PIC selection changes which are disputed by the Subscriber or an IXC on behalf of the Subscriber, the Subscriber's PIC selection will be reinstated to the previous PIC. The IXC must then provide evidence of Subscriber authorization as described in section 4.5 of Schedule 4 (PIC Information Processing) of the CSG Agreement. If such Subscriber authorization is not provided within fifteen (15) business days from the date of the request from the Company, the IXC will be deemed to have requested an unauthorized PIC change, and will be assessed the unauthorized PIC change charge as set out in the table below. A PIC processing charge as set out in the table below will also be assessed to the IXC having requested the unauthorized PIC change, to cover reinstatement of the unauthorized PIC to the previous PIC selection.
6. To enable the IXC to validate or place PIC subscription orders at the working telephone number (WTN) level, the IXC may request and obtain from TCI a detailed record transaction in CARE format of all WTNs subscribed to a specific billing telephone number (BTN). A BTN Detail service charge as set out in the table below will apply.
7. To enable the IXC to perform a reconciliation between its billing records and TCI's billing records, the IXC may request a Verification Record from the Company. Verification Record transactions are subject to the Verification Record service charge as set out in the table below.

	Charges	
(1) Account Set-Up charge, each PIC processing account	\$ 277.50	R
(2) Changes to CARE profile, each request	69.39	
(3) User Handbook, each additional copy	34.69	
(4) PIC Processing charge, each access line	0.4833	
(5) Unauthorized PIC Change charge, each access line	24.48	
(6) BTN Detail charge, each WTN provided	0.0776	
(7) Verification Record charge, each access line	0.0776	

The PIC Processing charges specified above will also be attributed to TCI.

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270.5 **Billed Number Screening (BNS) Database Access**

1. IXCs with Operator Services tariffs approved by the Commission and with interconnecting circuits with trunk-side access using CCS7 signalling may query the Company's BNS database via the Company's designated gateway STPs.
2. The BNS database identifies certain telephone numbers to which third number or collect message toll charges should not be billed. The Company does not warrant the completeness or accuracy of the BNS database. Also, the Company makes no representation or warranty regarding its adequacy or suitability for any purpose whatsoever and shall not be liable for any loss, cost or damages arising from access to the BNS database or use of the information contained therein.
3. The BNS Database Access charge as shown below applies to both the IXC's and TCI.

BNS Database Access Charge, each query \$0.0773

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270.6 **Carrier Network Profile Change**

1. Prior to an IXC initially being provided with interconnecting circuits with trunk-side access, the IXC is required to complete a Carrier Profile Questionnaire (CPQ) to select network and translation options. The CPQ data is subsequently programmed into the Company's switches, as required.
2. Service Charges, as outlined in (3) below, apply to change the selected options and change the network translations in the Company's switches associated with each impacted Carrier Identification Code (CIC) at any time subsequent to the initial programming.
3. The following service charges apply at each End Office switch impacted by the IXC's request:

CPQ Option Being Changed	Service Charge
(1) International Calling	\$ 102.04
(2) Abbreviated Dialling No. 1	102.04
(3) Presubscription Indication	102.04

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