

## ITEM

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**Ethernet Access Service**

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**Service Description**

Ethernet Access Service provides network access facilities for Customer Wide Area Network (WAN) services. Ethernet Access Service provides for the transmission of information between a Company Serving Central Office and a Customer's premises, at speeds of 10 Mbps, 100 Mbps or 1,000 Mbps. The Access provided consists of transmission facilities, equipment and management to support connectivity between the Serving Central Office and the terminating equipment on the end user's premises.

Ethernet Access is available in two arrangements as follows:

1. Ethernet Access including Company owned and provided customer premise equipment (CPE); and
2. Ethernet Access excluding CPE.

Ethernet Access Service is provided in accordance with IEEE 802.3 Ethernet standards, as such standards may be modified or replaced from time to time.

**Definitions**

For the purposes of this Tariff item:

"Access" provides the Customer with an Ethernet access facility from the Customer's premises to the Company Serving Central Office.

"Link" provides the Company Central Office equipment required to connect the Ethernet Access Service with the Customer's WAN service.

"Customer" refers to the purchaser of Ethernet Access from the Company. The Customer can also be the end user.

"Serving Central Office" is the first the Company Central Office that a Customer's premises is connected to by way of Ethernet Access Service.

"Virtual Local Area Network" or "VLAN" is a group of devices on one or more Local Area Networks (LANs) that are configured (using management software) so that they can communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. VLANs are based on logical instead of physical connections. VLANs on an Ethernet port can be called a VLAN trunk.

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**Conditions of Service**

1. Ethernet Access Service is provided under the terms and conditions in this Tariff Item and the Ethernet Access Service Agreement.
2. Ethernet Access Service is available from the Company's Serving Central Offices and shall be provided subject to the availability of suitable equipment and facilities. If all or any portion of the Access facility does not exist between the Company Serving Central Office and the Customer's premises, the Customer shall pay an additional charge based on the full cost of building the Access facility. F |
3. The Company shall determine the Company Central Office(s) from which Ethernet Access Service shall be provided, as well as the speeds offered at each Serving Central Office. Not all Company Central Offices are capable of provisioning Ethernet Access Service, or of provisioning Ethernet Access Service at all speeds. |
4. The provision of the service is subject to the ability of the Company and the Customer to satisfy existing transmission standards. |
5. When it is necessary for the Company to install special equipment or to incur an unusual expense to establish Ethernet Access Service, the Customer shall pay an additional charge based on the equipment installed or the unusual expense incurred. |
6. Ethernet Access Service may be connected to customer premises equipment provided by either the Customer or the Company and located at the Customer's premises. |
7. For Ethernet Access excluding CPE, the Customer is solely responsible for the installation, operation and maintenance of CPE provided by the Customer. C |
8. For Ethernet Access including the Company owned and provided CPE, the Company is solely responsible for the installation, operation and maintenance of the Company owned and provided CPE. N |
9. If the customer subscribes to Ethernet Access excluding CPE, the customer is responsible for acquiring the terminating equipment on end-user's premises based on technical guidelines provided by the Company. CPE attached to the Company's network must be certified or connected through a certified network protection device in accordance with former TCI General Tariff (CRTC 18001) Item 110 (Attachments) in Alberta, or TCBC General Tariff (CRTC 1005) Item 170 (Interconnection Services – General) in British Columbia, as applicable. |

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**Conditions of Service - Continued**

10. If the Customer terminates an agreement or a portion of an agreement for Ethernet Access Service prior to the expiry date of the agreement Term, the following applies: F
- a. Early termination charges equal to one half of the charges for the terminated Ethernet Access Service for the unexpired portion of the agreement Term will be payable in a single payment upon the effective date of the termination of the agreement or portion thereof, as the case may be; or
  - b. Early termination charges will be waived if the Customer enters into a new agreement(s) for Ethernet Access Service and the committed revenues under the new agreement(s) are equal to or greater than those terminated under the original agreement; or
  - c. Early termination charges will be reduced if the Customer enters into a new agreement(s) for Ethernet Access Service and the committed revenues under the new agreement(s) are less than those terminated under the original agreement, such that the early termination charges for the original agreement will equal one half of the charges for the terminated Ethernet Access Service for the unexpired portion of the agreement Term, less one half of the committed revenues under the new agreement(s), payable in a single payment upon the effective date of the termination of the agreement or portion thereof, as the case may be.
11. In the event that the Customer wishes to relocate or move Ethernet Access Service locations, or change the speed associated with Ethernet Access Service at any location(s) prior to the expiration of the agreement Term, the Customer will be required to terminate the applicable portion of the agreement for Ethernet Access Service in relation to the service locations or speeds no longer required, and early termination charges will apply or be reduced or waived as provided for in Item 519.2.9. The minimum agreement Term for Ethernet Access Service at any new location or at any new speed will be one year. |
12. Upon the expiration of an Ethernet Access Service Agreement, Ethernet Access Service shall continue to be provided on a month-to-month basis, at the then current 1-year contract rates. |

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**Rates**

The Customer shall pay to the Company the following rates and charges for Ethernet Access Service. Such rates and charges are in addition to any other rates and charges that may be applicable.

1. Ethernet Access including CPE

a. 10 Mbps - Ethernet Access: (Half-duplex or Full-duplex mode)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 660	\$ 600	\$ 540	\$2,000
B	885	805	725	2,000
C	885	805	725	2,000
D	885	805	725	2,000
E	1,050	950	850	2,000
F	1,105	1,005	905	2,000
G	1,775	1,655	1535	2,000

**Note 1:** For Customer premises located in non-serving areas, Rate Band G rates shall apply, in addition to the additional charges specified in Item 519.2.2 or Item 519.2.5, or any Special Facilities Tariff charges, as may be applicable in order to provide the service. Subject to Item 519.2.2, the list of potential Central Offices associated with each Ethernet Access Service Rate Band are as identified in:

- Alberta: former TCI Carrier Access Tariff (CRTC 18008), Item 215.4; and
- B.C.: TCBC Carrier Access Tariff (CRTC 1017), Item 105.D; as applicable.

b. 100 Mbps - Fast Ethernet Access: (Half-duplex or Full-duplex mode)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 710	\$ 650	\$ 590	\$2,000
B	935	855	775	2,000
C	935	855	775	2,000
D	935	855	775	2,000
E	1,130	1,000	900	2,000
F	1,185	1,055	955	2,000
G	1,885	1,725	1,595	2,000

**Note 1:** See Item 519.3.1a, Note 1, above.

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c. 1,000 Mbps - Gigabit Ethernet Access: (Full-duplex mode only)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 1,090	\$ 990	\$ 890	\$3,000
B	1,350	1,250	1,150	3,000
C	1,350	1,250	1,150	3,000
D	1,350	1,250	1,150	3,000
E	1,550	1,450	1,350	3,000
F	1,625	1,525	1,425	3,000
G	2,000	1,900	1,800	3,000

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**Note 1:** See Item 519.3.1a., Note 1 (page 519-3A).

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2. Ethernet Access excluding CPE

a. 10 Mbps - Ethernet Access: (Half-duplex or Full-duplex mode)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 585	\$ 525	\$ 465	\$1,500
B	810	730	650	1,500
C	810	730	650	1,500
D	810	730	650	1,500
E	975	875	775	1,500
F	1,040	930	830	1,500
G	1,710	1,580	1,460	1,500

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**Note 1:** See Item 519.3.1a, Note 1 (page 519-3A).

b. 100 Mbps - Fast Ethernet Access: (Half-duplex or Full-duplex mode)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 680	\$ 575	\$ 515	\$1,500
B	920	780	700	1,500
C	920	780	700	1,500
D	920	780	700	1,500
E	1,100	925	825	1,500
F	1,125	975	875	1,500
G	1,825	1,645	1,515	1,500

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**Note 1:** See Item 519.3.1a, Note 1 (page 519-3A).

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c. 1,000 Mbps - Gigabit Ethernet Access: (Full-duplex mode only)

Rate Band (Note 1)	Monthly Rate (per Access)			Service Charge (per Access)
	Minimum Contract Period			
	1-Year	3-Year	5-Year	
A	\$ 965	\$ 865	\$ 765	\$2,500
B	1,225	1,125	1,025	2,500
C	1,225	1,125	1,025	2,500
D	1,225	1,125	1,025	2,500
E	1,425	1,325	1,225	2,500
F	1,500	1,400	1,300	2,500
G	1,870	1,770	1,670	2,500

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**Note 1:** See Item 519.3.1a, Note 1 (page 519-3A).

3. Ethernet Access Service Link Charge (applicable for 10/100/1000 Mbps speeds):

Service Item	Monthly Rate	Service Charge
Ethernet Access Service Link, per Access	\$50.00	\$200.00

4. Ethernet Access Service Duplex Mode Change Charge:

Where technically available, the Customer may change duplex modes of its existing Access between half and full, for the following one-time service charge.

Service Item	Service Charge
Ethernet Access Service Duplex Mode-Change, per Access per request	\$200.00

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5. Ethernet Access Speed Change (Note 1)

Service Item	Service Charge
Access Speed Change (from 10 Mbps to 100 Mbps Access and vice versa), per Access	\$500.00
Access Speed Change (from 100 Mbps to 1,000 Mbps Access and vice versa), per Access	\$1,500.00

6. Move of Company-provided CPE

Service Item	Service Charge
Move of Terminating Equipment on the same end user premises (Note 2)	\$1,250.00 Plus fibre costs, if applicable

7. Adding a VLAN trunk

Service Item	Service Charge
Addition of a VLAN trunk on Company-provided terminating equipment (Note 3)	\$650.00

Note 1: When the Access Speed is changed, the monthly rate at the new speed level as shown in Item 519.3.1 and Item 519.3.2 will apply.

Note 2: The service charge applies to Ethernet Access including Company-provided CPE, at 10/100/1000 Mbps access speeds.

Note 3: The service charge applies to only Ethernet Access including Company-provided CPE.