

ITEM
236**Wholesale Internet FTTP Service**ITEM
236.1**Service Description**

Wholesale Internet FTTP (Fibre-To-The-Premises) Service is a broadband access service based on Passive Optical Network (PON) technology. This Service enables a Service Provider to establish high speed data connectivity between:

- an End-user's Premises; and
 - NNI(s) established between the Company and the Service Provider;
- for the sole purpose of providing retail Internet access and associated services to an End-user.

Pursuant to Telecom Regulatory Policy CRTC 2024-180 ("TRP 2024-180"), Incumbent Carriers, Incumbent Carriers' Affiliates and their respective successors and assignees, are not eligible to obtain, directly or indirectly via a third-party reseller, this Wholesale Internet FTTP Service in their respective incumbent serving territories that are within the Company's incumbent territories in Alberta and British Columbia.

Wholesale Internet FTTP Service:

- requires one or more Network-to-Network Interfaces ("NNI") which provide for the aggregation of End-user traffic associated with a single Service Provider from Serving Central Offices in the Company's operating territories within the provinces of Alberta and British Columbia (B.C.);
- provides FTTP connectivity to End-user's Premises over fibres that qualify for FTTP service where the FTTP serving equipment is located in a Company Serving Central Office; and
- requires all End-user traffic to be Point to Point Protocol over Ethernet (PPPoE) encapsulated.

Because the Commission has forborne, in Telecom Regulatory Policy CRTC 2015-326, with respect to the regulation of wholesale high-speed access services as set out in that decision, the Company may also provide the service in this Tariff at rates and on terms different from the tariffed rates and terms pursuant to an agreement entered into between the Company and a competitor that has been filed with the Commission for the public record.

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Definitions

“*Central Office (CO)*” is a physical building used to house Company inside plant equipment.

“*Digital Subscriber Line Service Provider (DSLSP)*” is a provider of Digital Subscriber Line-based applications, such as high-speed Internet access and Local Area Network extension, to the public for compensation. The DSLSP is registered with the Canadian Radio-television and Telecommunications Commission (CRTC).

“*End-user*” is the Service Provider's customer.

“*Fibre Drop*” is a Company-owned operable fibre facility that reaches the ONT at the End-user's Premises and connects to the Company network. It may also connect outside the End-user's Premises to a termination point on the exterior of the building, ready for final installation to the ONT.

“*Incumbent Carriers*” are carriers listed in paragraph 2 of TRP 2024-180 as follows: Bell Canada, including Bell Aliant, a division of Bell Canada and Bell MTS Inc., Saskatchewan Telecommunications, Cogeco Communications inc., Bragg Communications Incorporated, carrying on business as Eastlink, Rogers Communications Canada Inc. and Videotron Ltd.

“*Incumbent Carrier's Affiliate*” is a person who controls or is controlled by the Incumbent Carrier or who is controlled by a person who also controls the Incumbent Carrier. For greater clarity, control means control in any manner that results in control in fact, whether directly through the ownership of securities or indirectly through a trust, agreement or arrangement, the ownership of any body corporate or otherwise.

“*Layer 2 Tunneling Protocol (L2TP)*” is a network protocol, standardized by the Internet Engineering Task Force, used by Service Providers to transport PPPoE across Internet Protocol networks.

“*Network-to-Network Interface (NNI)*” is a physical connection point between the Service Provider's network and the Company's network that allows Internet Protocol (IP) traffic to be exchanged. End-user PPPoE sessions, encapsulated in L2TP, are transported between Service Provider and Company networks at NNIs. NNIs may also be used to exchange session management information.

“*NNI Capacity-Based Billing (NNI-CBB)*” is an NNI billing model under which a Service Provider determines in advance the amount of capacity it will require to offer services to its End-users.

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Definitions - Continued

“*Optical Network Terminal (ONT)*” is a device located at the End-user’s Premises that converts fibre-optic light signals to electrical signals used to provide FTTP service. The ONT transports data traffic to and from the End-user’s Premises through the Company’s fibre network and serves as the Company’s point of demarcation. The type of ONT may vary depending on the FTTP service speed provided, as determined by the Company.

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“*Point to Point Protocol over Ethernet (PPPoE)*” is a network protocol, standardized by the Internet Engineering Task Force, widely used by Service Providers to provide Internet Access.

“*Premises*” is the continuous property and the building or buildings located thereon, or the part or parts of a building, occupied at the same time by an End-user.

“*Service Provider*” includes either a Competitive Local Exchange Carrier (CLEC) or a DSLSP, duly registered with the CRTC.

“*Serving Central Office*” is the first Company Central Office that an End-user's Premises is connected to, by way of FTTP facilities.

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236.3A

Conditions of Service: General and Availability

1. Wholesale Internet FTTP Service is available only from equipped Serving Central Offices as determined by the Company and shall be provided subject to the availability of equipment and facilities as determined by the Company.
2. Wholesale Internet FTTP Service is only available on Company-owned facilities.
3. Pursuant to TRP 2024-180, Wholesale Internet FTTP Service is not available at locations where Company retail Internet services over FTTP are made available for the first time between August 13, 2024 and August 12, 2029. Wholesale Internet FTTP Service will become available at these locations starting August 13, 2029.
4. FTTP equipment is subject to operational constraints related to the characteristics of the underlying facilities. Service Providers may use Wholesale Internet FTTP Service to establish high-speed connections to only those End-user Premises located within the operational range of the FTTP serving equipment associated with particular Company Serving Central Offices.
5. Wholesale Internet FTTP Service is offered on a best-efforts basis. Consistent with widely adopted congestion management practices, traffic that exceeds (i) the available capacity of Company network equipment, (ii) the purchased capacity of the NNI-CBB, or (iii) the data-rate associated with the purchased access service, may be delayed or dropped.
6. Wholesale Internet FTTP Service does not support the routing or transmission of multicasting traffic.

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Conditions of Service: Service Provider Responsibilities

1. When Wholesale Internet FTTP Service is used by a Service Provider to provide services to its End-users, the Service Provider shall abide by the conditions set out in the Resale and Sharing Tariff (General Tariff CRTC 21461, Item 410), as applicable.
2. As a condition of service under this Tariff, and in accordance with *Review of the Internet traffic management practices of Internet service providers*, Telecom Regulatory Policy CRTC 2009-657 (“TRP 2009-657”), paragraphs 50, 66 and 104, Service Providers employing Internet Traffic Management Practices (ITMPs) shall:
 - a. whether or not they are Canadian carriers, abide by the requirements of subsection 27 (2) of the *Telecommunications Act* with regard to any ITMPs they employ;
 - b. abide by the disclosure requirements described in TRP 2009-657; and
 - c. not use for other purposes personal information collected for the purposes of traffic management and not disclose such information.
3. Service Providers subscribing to Wholesale Internet FTTP Service will be responsible for obtaining the following elements required to make the service operational:
 - a. RADIUS server(s);
 - b. IP address assignment and Internet routing for End-users;
 - c. Ethernet connectivity to the Company’s NNI(s);
 - d. L2TP network server(s);
 - e. PPPoE clients and credentials for each End-user; and
 - f. End-user connectivity and IP address configuration at each End-user’s Premises.
4. Forecasts:
 - a. To assist the Company in the capacity planning and deployment of its network, the Service Provider must provide to the Company, at least sixty (60) days prior to the beginning of an annual calendar period, a non-binding forecast of the expected number of End-users, by province, for the upcoming twelve (12) month period. The first set of forecasts must be provided by the Service Provider at least sixty (60) days prior to the installation of the first Wholesale Internet FTTP Service access for the Service Provider.
 - b. Whenever the Service Provider expects to substantially change the number of End-users in any calendar quarter, the Service Provider shall provide the Company a revised forecast for that quarter at least thirty (30) days before the expected change in number of End-users.

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236.3C

Conditions of Service: NNI-CBB

1. Wholesale Internet FTTP Service is only permitted on NNI-CBB. The full capacity of the NNI is limited to the increments of network capacity that the Service Provider subscribes to.
2. NNI-CBB is provided under the applicable terms and conditions in Carrier Access Tariff CRTC 21462, Item 226. Service Providers may use NNI-CBB for PPPoE FTTP traffic, PPPoE ADSL traffic, or a mix of both.
3. Under the CBB model, Service Providers determine in advance the amount of capacity they will require to offer retail services. Should demand exceed this capacity, they will have to manage their network capacity until they purchase more. Service Providers are able to change their capacity requirements according to the following timeframes:
 - For non-complex orders, capacity change will be delivered within 15 business days following the receipt of an order, regardless of when the order is placed in a given month.
 - For complex orders, capacity change will be delivered within 60 business days following the receipt of an order, regardless of when the order is placed in a given month.
 - CBB charges that relate to either non-complex or complex capacity changes will be prorated as applicable to ensure that appropriate costs are being recovered.
4. The Company is not responsible for ensuring that the number of capacity increments ordered by the Service Provider is appropriate for the Service Provider's network, or any other requirements.
5. 100G NNIs are available in selected Central Offices within Calgary, Edmonton and Vancouver. Not all 100G optical formats are available in these Central Offices.

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ITEM 236.3D	Conditions of Service: Fibre Facilities	M
	1. The fibre facility to the End-user must qualify for Wholesale Internet FTTP Service.	
	2. A Fibre Drop is required to the End-user's Premises.	
	3. Wholesale Internet FTTP Service is available to all Premises where there is either an existing Fibre Drop in place, or fibre is available to serve the Premises using an order to install a Fibre Drop. In the case of multi-dwelling units, service is only available where fibre in-building wiring exists through to the End-user's suite.	
	4. Installation of a new Fibre Drop is included in the standard Wholesale Internet FTTP Service, unless such installation represents an unusual expense. In the event that the installation of the Fibre Drop represents an unusual expense, the Company will give the Service Provider the option of paying an additional construction charge to have the Fibre Drop installed, or of cancelling the request.	

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236.3E

Conditions of Service: Premises Equipment and Demarcation

1. Equipment attached to the Company's network at the End-user's Premises must be certified or connected through a certified network protection device in accordance with the former TCI General Tariff CRTC 18001, Item 110 (Attachments) in Alberta, or TCBC General Tariff CRTC 1005, Item 170 (Interconnection Services – General) in B.C., as applicable.
2. For End-users, the demarcation point is the Company ONT at the End-user's Premises. The Company owns and maintains the ONT.
3. The Company is not responsible for inside wiring beyond the End-user's demarcation point.
4. The Service Provider is responsible for the installation, operation and maintenance of any equipment, apparatus or devices that the Service Provider or End-user provides and which is attached or connected to or used with the Company's facilities and or equipment. When, as a result of a service issue raised by the Service Provider to TELUS and at the request of the Service Provider to test the services provided by the Company, the Company completes testing activities and finds that there is no fault in the Company's facilities; or when a truck roll is required to an End-users Premises and no trouble is found in the Company's facilities and/or equipment but such trouble continues to be present when the Service Provider's equipment is reconnected to the Company's facilities and or equipment, a charge as specified in the former TCI General Tariff CRTC 18002, Item 1820.3 (for Alberta) and General Tariff CRTC 1005, Item 170.10 and Item 170.12 (for B.C.) applies. If however, within a one week period, testing activities identify a fault with the Company's facilities, no charge will apply.

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Rates

The following rates and charges apply to the various components of Wholesale Internet FTTTP Service:

Residential and Business Access Services By Speed, Per Access (Notes 2, 3, 5)	Monthly Rate (Note 1)	Service Charge
For Residential End-users:		
Speed Band - 15 Mbps to 1500 Mbps: - Up to 250 Mbps download / 250 Mbps upload - Up to 500 Mbps download / 500 Mbps upload - Up to 940 Mbps download / 940 Mbps upload - Up to 1.5 Gbps download / 940 Mbps upload	\$ 77.21	
Speed Band - 1501 Mbps to 5000 Mbps: - Up to 3 Gbps download / 3 Gbps upload (Note 9) - Up to 5 Gbps download / 5 Gbps upload (Note 9)	81.81	With site visit: \$ 250.67
For Business End-users:		
Speed Band - 15 Mbps to 1500 Mbps: - Up to 150 Mbps download / 150 Mbps upload - Up to 300 Mbps download / 300 Mbps upload - Up to 940 Mbps download / 940 Mbps upload - Up to 1.5 Gbps download / 940 Mbps upload	77.21	Without site visit: 6.71
Speed Band - 1501 Mbps to 5000 Mbps: - Up to 3 Gbps download / 3 Gbps upload (Note 9) - Up to 5 Gbps download / 5 Gbps upload (Note 9)	81.81	
NNI-CBB Capacity, per 100 Mbps increment	42.12 (Note 6)	685.44 (Note 7)
NNI Service(s) - E100 Interface (per interface) - E1000 Interface (per interface) 10G Interface (per interface) (Note 8) 100G Interface (per interface) (Note 10)	55.15 59.01 313.36 808.27	1,199.00 1,199.00 1,199.00 1,766.97

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Rates - Continued
Notes:

1. A minimum charge of one month will be applied for all Wholesale Internet FTTP Service accesses that are disconnected within one month of installation.
2. Many factors affect speeds and actual speeds may vary and are not guaranteed.
3. Residential and Business End-user classifications are in accordance with former TCI General Tariff CRTC 18001, Item 425 and General Tariff CRTC 1005, Item 26.
4. Reserved for future use.
5. The Service Charge applies, on a per-access basis, to (i) installations; (ii) moves; (iii) speed upgrades that require an ONT upgrade; or (iv) service changes from Wholesale Internet ADSL Service (Carrier Access Service CRTC 21462 Item 226). For other speed changes, the Administrative Fee in Item 226.3.d.iii) applies; additional charges may apply for unusual expenses.
6. When in-service NNI-CBB Capacity varies during a billing period, the applicable Monthly Rate for that billing period will be pro-rated. NNI-CBB Capacity for 100G Interface is only available in 1 Gbps increments (i.e. 10 units of 100 Mbps increment). N
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7. The Service Charge is applied once per order regardless of the number of 100 Mbps or 1 Gbps increments requested as long as all increments are requested at the same time for the same NNI. C
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8. 10G Interface will be provided to Service Providers under CBB model only.
9. The speed is approved in Telecom Order CRTC 2026-77, effective April 24, 2026.
10. 100G Interface will be provided to Service Providers under CBB model only; Service Providers must maintain a minimum capacity of 30 Gbps on each 100G Interface installed. The monthly rate and service charge are approved, on an interim basis, in Telecom Order CRTC 2026-176, effective July 20, 2026. N
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