



BELL INDUSTRY ADVISORY

Terminal-to-Network Disclosure – Category a

(Updated 17 January 2025) (Updated 24 October 2024)
(Updated 22 March 2024) (Original issued 21 April 2017)

No. BIA - 4u

Subject: Terminal-to-Network Interface for DBS over FTTP, GAS-FTTP, and FTTP Access Service

In April 2017, Bell Canada announced the commercial introduction of the terminal-to-network interface for Disaggregated Broadband Service (DBS) over Fibre to the Premises (FTTP) based on publicly available standards. Service to Internet Service Providers (ISPs) is available in selected areas of Ontario and Quebec, subject to technical feasibility, ISP demand, and DBS tariffed terms and conditions.¹

In Telecom Decision 2023-358,² the CRTC required Bell Canada to offer, on an interim basis, access to its FTTP network on an aggregated basis, which Bell Canada now offers over Gateway Access Service³ (GAS-FTTP) within Ontario and Quebec, subject to GAS-FTTP tariffed terms and conditions.

In Telecom Regulatory Policy 2024-180,⁴ the CRTC required Bell Canada to offer access to its FTTP network on an aggregated basis in Manitoba, New Brunswick, Newfoundland and Labrador, Nova Scotia, and Prince Edward Island, which Bell Canada will offer (as FTTP Access Service)⁵ beginning 13 February 2025, subject to FTTP Access Service tariffed terms and conditions.

DBS over FTTP (Ontario and Quebec), GAS-FTTP (Ontario and Quebec), and FTTP Access Service (Atlantic Provinces and Manitoba), are deployed on Passive Optical Network (PON) fibre facilities from suitably enabled Central Offices to Optical Network Terminals (ONTs) located at end-user premises. The ONT is the demarcation point for DBS over FTTP, GAS-FTTP, and FTTP Access Service.

¹ Bell Canada CRTC 7516, Access Services Tariff for Interconnection with Carriers and Other Service Providers, Item 151 – Disaggregated Broadband Service (DBS).

² Telecom Decision CRTC 2023-358, *Review of the wholesale high-speed access service framework – Temporary access to fibre-to-the-premises facilities over aggregated wholesale high-speed access services.*

³ Bell Canada CRTC 6716, General Tariff, Item 5460 – Gateway Access Service – Fibre to the Premises (GAS-FTTP)

⁴ Telecom Regulatory Policy CRTC 2024-180, *Competition in Canada's Internet service markets.*

⁵ Bell Canada, operating as Bell Aliant, CRTC 21491, General Tariff, Item 642 – Fibre-to-the-Premises (FTTP) Access Service; and Bell Canada, operating as Bell MTS, CRTC 24002, Special Services and Facilities Tariff, Item 5840 – Fibre-to-the-Premises (FTTP) Access Service.



Compatibility Impact:

For speeds up to and including 1.5 Gbps, the ISP is responsible to provide a host system (e.g., residential gateway, Ethernet switch, or router) with an SFP cage in accordance with the standards specified below.

For speeds greater than 1.5 Gbps, the ISP is responsible to provide a host system (e.g., residential gateway, Ethernet switch or router, and cabling) that can connect to an Ethernet LAN port in accordance with the standards specified below.

Documentation:

The DBS over FTTP, GAS-FTTP, and FTTP Access Service terminal-to-network interfaces used by Bell Canada conform to the following industry standards:

For speeds up to and including 1.5 Gbps:

- INF-8074 *Specification for SFP (Small Formfactor Pluggable) Transceiver*, <https://www.snia.org/technology-communities/sff/specifications>, and
- SFF-8472 *Specification for Diagnostic Monitoring Interface for Optical Transceivers*, <https://www.snia.org/technology-communities/sff/specifications>
- The host cage for the SFP-ONT provided must support SGMII (speeds up to 1Gbps) and SGMII 2.5G (speeds up to 1.5Gbps)
- IEEE 802.3 standard (e.g., 1000M/2.5G BaseT).

For speeds greater than 1.5 Gbps:

- IEEE 802.3 standard (e.g., 1000M/2.5G/5G/10G BaseT).

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www.bce.ca/aboutbce/regulatory/interface-disclosures

