

ITEM
224**Competitor Digital Network (CDN) Services**ITEM
224.1**Service Description**

CDN Services provides a Competitor who is a Canadian Carrier or Reseller duly registered with the CRTC the following components for specific DS or OC speeds as identified in Item 224.3: (Note: Individual CDN Services components shall only be available for use that is consistent with this Item 224 tariff, in particular Item 224.2.10.)

- a. CDN Access (equivalent to DNA, or OCN DNA, access and associated link): see Item 225;
- b. CDN Intra-exchange Channel (equivalent to DNA, or OCN DNA, Intra-exchange Channel);
- c. CDN Metropolitan Inter-exchange Channel (non-forborne routes only);
- d. CDN Central Office Channelization;
- e. CDN Optical Co-location Link; and
- f. CDN Other Central Office Connecting Link (copper-based).

(Copper co-location links are available under Tariff CRTC 21462, Item 211 – Central Office Link Arrangement for Interconnecting Canadian Carrier, and are incorporated by reference into this CDN Services tariff.)

The Company may also provide the service in this tariff at rates and on terms different from the tariffed rates and terms if the service is provided pursuant to an agreement entered into between the Company and a competitor because the Commission has forborne, in Telecom Decision CRTC 2008-17, with respect to the regulation of this service.

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|**Definitions**

For the purposes of this Tariff item, definitions are as follows:

“*CDN Central Office Channelization*” or “*CDN CO Channelization*” provides Company equipment located in a Company Central Office to channelize traffic from multiple lower-bandwidth circuits of the same bandwidth to a single higher-bandwidth circuit or to dechannelize traffic from a higher-bandwidth circuit to multiple lower-bandwidth circuits of the same bandwidth.

“*CDN Co-location Link*” provides the link the Competitor uses to connect its transmission equipment co-located at a Company Central Office to the Company’s network services located at the same Central Office. (See also “*CDN Optical Co-location Link*”.)

ITEM
224

Competitor Digital Network (CDN) Services - Continued

ITEM
224.1

Service Description - Continued

Definitions – Continued

“*CDN Intra-exchange Channel*” provides the digital channel facility between the Competitor’s (or Competitor’s End-Customer) Company Serving Central Office and the Company Rate Centre in cases where the Serving Central Office is not the Rate Centre. It also provides the digital facility between Company Central Offices in the same exchange area whenever the service application requires one. (Note: CDN Intra-exchange Channel excludes CDN Metro IX Channel, which is a separate CDN Services component as defined below.)

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“*CDN Metropolitan Inter-exchange Channel*” or “*CDN Metro IX Channel*” means a Company digital inter-exchange facility that is between a Core Metropolitan Exchange and any other exchange within the same Extended Area Service (EAS) area of that Core Metropolitan Exchange, where “*Core Metropolitan Exchange*” or “*CME*” means an exchange that contains at least two Company Central Offices, at least one of which is a Band A or B Company Central Office.

“*CDN Optical Co-location Link*” provides an optical fibre link the Competitor uses to connect its optical transmission equipment co-located at a Company Central Office to the Company’s network services located at the same Central Office.

“*CDN Other Central Office Connection Link (copper-based)*” or “*CDN Other CO Connecting Link (copper-based)*” provides a copper-based link to connect a CDN Service to another CDN Service or to any other Company-provided services within a Company Central Office.

“*Competitor*” for the purpose of this Tariff Item, means any competitive Canadian Carrier, including a wireless service provider, or any Reseller (as defined in Item 102 – Definitions) of the Company’s services, which is duly registered with the CRTC.

“*End-Customer*”, for the purpose of this Tariff Item, shall mean a customer of the Competitor and shall include a Competitor’s end-customer that is otherwise eligible in its own right for subscription to this Tariff Item 224.

“*Point of Presence*” or “*POP*”, for the purpose of this Tariff Item, means any Competitor location in Canada which the Competitor has designated as an interconnection site for its facilities with the facilities of the Company or another Canadian Carrier and may include a Competitor’s co-located equipment or co-location space in a Company Central Office or another incumbent carrier’s (ILEC’s) central office.

“*Simple Resale*” means resale by a Competitor without added value, i.e., without connecting the CDN Services to its own network. Simple Resale includes rebilling without adding value; or requests for circuits that do not connect to a Competitor’s POP.

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ITEM

224

Competitor Digital Network (CDN) Services - Continued

ITEM

224.2

Conditions of Service

1. Individual CDN Services components are available on a stand-alone basis provided that the use of a component is consistent with this Tariff Item 224. Exception: CDN Other Connecting Links (copper-based) are not available on a stand-alone basis. C
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2. A Competitor may not engage in Simple Resale of the Company's CDN Services. Each Competitor shall provide affidavits to the CRTC attesting to its compliance with the prohibition on Simple Resale in accordance with Telecom Decision CRTC 2005-6, 2005 02 03 (paragraph 253).
3. CDN Services shall be provisioned on a monthly basis; and with an average four-hour mean time to repair (MTTR), determined on a monthly basis.
4. CDN Services shall be provided subject to the availability of suitable equipment and facilities.
5. When it is necessary for the Company to install special equipment or to incur unusual expenses to establish CDN Services, the Competitor shall pay an additional charge based on the equipment installed and the unusual expenses incurred.
6. All multi-channel CDN Services components contained in this Item 224 tariff may carry only CDN-eligible circuits.

ITEM
224

Competitor Digital Network (CDN) Services - Continued

ITEM
224.2

Conditions of Service - Continued

7. Resellers and Canadian Carriers that wish to benefit from the rates under the CDN Services tariff shall identify, by way of written notification to the Company before 2005 06 27 (the Sunset Date), those service components that were provided under the DNA or Inter-exchange Private Line tariffs and that meet the CDN Services terms and conditions. (Note: This condition continues the CRTC requirement originally approved for previous interim CDNA service pursuant to Telecom Decision CRTC 2002-78, paragraph 38.) F
8. In the event that the original tariff of each individual service component from which the Competitor migrates to the Item 224 CDN Services requires the payment to the Company of early termination and service charges, such charges specified in the original tariff shall not apply if those arrangements do not require modification to meet the CDN Services terms and conditions. (Note: This condition continues the CRTC requirement originally approved for previous interim CDNA component pursuant to Telecom Decision CRTC 2002-78, paragraph 41.b.) This condition shall be effective until the Sunset Date specified in Item 224.2.7 above, after which such early termination or service charges shall apply accordingly. |
9. Where another Company service tariff cross-references the Company's retail DNA or digital inter-exchange services tariff, the Competitor shall pay the respective CDN Services, not retail, rates for the DNA service or metropolitan inter-exchange service in question, so long as the use of the DNA or metropolitan inter-exchange component is consistent with this Item 224 tariff and Item 225 (CDN Access). |
10. The Company's CDN Services may be used by a Competitor for circuits that may ultimately terminate at a Competitor POP within Canada. CDN Services may also be used from the Company's switch to the Competitor's switch to support interconnection services. |

ITEM
224**Competitor Digital Network (CDN) Services - Continued**ITEM
224.2**Conditions of Service - Continued**

11. Specific to the CDN Metro IX Channels, the Company shall provide this service component subject to following additional conditions: F
- a. The Company shall provide Metro IX Channels, based on the definitions specified in Item 224.1 above, within the metropolitan areas of the following Core Metropolitan Exchanges: |
 - Alberta: Calgary, Edmonton, Fort McMurray, Lethbridge, Medicine Hat, Red Deer, Sherwood Park, and St. Albert.
 - B.C.: Ladner, North Vancouver, Richmond, Saanich, Victoria, West Vancouver, and Vancouver.
 - b. CDN Metro IX Channels shall only be provided between Company Central Offices within a Core Metropolitan Exchange and another Company Central Office within the EAS area of the Core Metropolitan Exchange. Such routes exclude those identified in Tariff CRTC 21461, Item 508 – Forbearance of Interexchange Private Line Services, as amended from time to time. (EAS: see former TCI General Tariff (CRTC 18001), Item 435; and TCBC General Tariff (CRTC 1005), Item 30.) |
 - c. The expanded local calling areas identified pursuant to Telecom Decision CRTC 2002-56 (Framework for the expansion of local calling areas) are not used for the purpose of defining CDN Metro IX Channels.
 - d. The monthly rate for CDN Metro IX Channel shall be based on the rate distance between the Company Central Offices serving the two end points of the channel. The channel measurement is calculated in miles using the V and H distance formula. |

ITEM
224

Competitor Digital Network (CDN) Services – Continued

ITEM
224.2

Conditions of Service – Continued

12. Specific to Competitor requests for channelization, the Company shall not provide:

- a. CDN CO Channelization to a Competitor at a Company Central Office if that Competitor has a POP in that Central Office.
- b. CDN channelization outside of a Company Central Office.

13. Specific to the CDN Optical Co-location Link, the Company shall provide this service component subject to following additional conditions:

- a. The Company will designate the optical fibre pairs that the Competitor is to connect its fibre optic cable to.
- b. This service component shall also be available to a registered Reseller or Canadian Carrier for use with the Company services other than the CDN Services (or Item 225 CDN Access) that require the use of an optical co-location link.

14. CDN Services or any part thereof may be used in conjunction with other Company services, competitor self-supply, or third-party services and facilities provided that such arrangements meet the terms and conditions of the Company's CDN Services (Item 224) and CDN Access (Item 225). C

15. All components of CDN Services are offered on a monthly basis for which a one-month notice of termination is required.

16. To connect any two services in a Company Central Office, the Company may charge a CDN link or a DNA Link (per CRTC 18001 item 500.4 and CRTC 1005 item 447.C). N
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ITEM

 224 **Competitor Digital Network (CDN) Services - Continued**

ITEM

 224.3 **Rates**

The Competitor shall pay to the Company the following rates and charges for CDN Services and is subject to all applicable charges and terms and conditions of the Company's Tariffs.

1. CDN Intra-exchange Channel:

Service Item	CDN Intra-exchange Channel, each				
Monthly Rate	DS-0	DS-1	DS-3	OC-3	OC-12
Alberta & BC	\$1.61	\$39.17	\$534.78	\$1,600.00	\$3,200.00
Service Order Charge	\$300.00	\$300.00	\$375.00	\$500.00	\$500.00

2. CDN Metro IX Channel:

Service Item	CDN Metro IX Channel, per mile		
Monthly Rate	DS-0	DS-1	DS-3
Alberta & BC	\$3.43 per mile	\$41.05 per mile	\$369.35 per mile
Service Order Charge	\$300.00	\$300.00	\$375.00

3. CDN CO Channelization: each

Service Item	CDN CO Channelization, each					
Monthly Rate	DS-1 to DS-0	DS-3 to DS-1	OC-3 to DS-3	OC-3 to DS-1	OC-12 to OC-3	OC-12 to DS-3
Alberta & B.C.	\$55.22	\$264.82	\$404.61	\$129.22	\$200.95	\$2,055.01
Service Order Charge	\$300.00	\$375.00	\$500.00	\$500.00	\$500.00	\$500.00

4. CDN Co-location Link:

Service Item	Monthly Rate	Service Order Charge
CDN Optical Co-location Link, each	\$12.06	\$168.11
Copper CO Link – DS-1 & DS-3	N/A	Tariff CRTC 21462, Item 211

5. CDN Other CO Connecting Link (copper-based) (Note 1):

Service Item	Monthly Rate	Service Order Charge
CDN Other CO Connecting Link, each †	N/A	\$152.22

Note 1: Because the Commission has forborne, in Telecom Regulatory Policy CRTC 2009-19, with respect to the regulation of this service 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.

N/A – Not Applicable.

† - The rate and/or charge specified is not applicable if the service on one or both ends of the service item component is CDN Access as provided pursuant to Item 225