
SaskTel Competitor Digital Network (CDN) Services

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Note: Some CDN business service elements may be subject to regulation, as identified in SaskTel Competitor Access Tariff Item on Competitor Digital Network (CDN) Services.

Service Description

Forborne Competitor Digital Network (CDN) Services provide various arrangements to eligible Competitors for the digital transmission of information at DS-0, DS-1, DS-3, OC-3 and OC-12 transmission speeds.

Forborne CDN services within this item include:

- Access service
- Central office channelizing service
- Intra-exchange channel service
- Metropolitan inter-exchange channel service

Copper and Optical Central Office (CO) Connecting Links are available in SaskTel Competitor Access Tariff Item on Link Arrangements for Interconnecting Canadian Carriers.

Central office arrangements required to connect the above forborne CDN services with each other are included within the above services. Competitor Link charges may apply, please refer to SaskTel Competitor Access Tariff on Competitor Digital Network (CDN) Services for rates.

SaskTel Competitor Digital Network (CDN) Services – Continued

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Definitions

For the purposes of this non-tariff:

“*Access service*” provides the Competitor with a digital access facility from an end-customer premises or Competitor point of presence (POP) to the SaskTel serving wire centre.

“*Central office channelizing service*” channelizes multiple channels of the same bandwidth into a single channel of a higher bandwidth, or dechannelizes a single channel of a higher bandwidth into multiple channels of the same lower bandwidth, within a SaskTel central office.

“*Channel measurement*” the monthly rate for metropolitan inter-exchange channel service is based on the rate distance between the wire centres serving the two end points of the channel, regardless of whether the exchanges are adjoining. The channel measurement is calculated in miles using the “V and H distance formula” defined in SaskTel’s General Tariff Item on Definitions.

“*Competitor*” refers to a Canadian carrier or reseller of SaskTel’s services who is duly registered with the CRTC and is the purchaser of CDN services from SaskTel. The Competitor can also be the end-customer.

“*Competitor Link*” provides the additional equipment required to complete a connection between CDN services and other SaskTel services, as described in the Service Description section of this Tariff.

“*DS-0*” is a channel capable of digital transmission at a nominal 64 Kbps rate.

“*DS-1*” is a channel capable of digital transmission at a 1.544 Mbps rate.

“*DS-3*” is a channel capable of digital transmission at a 44.736 Mbps rate.

SaskTel Competitor Digital Network (CDN) Services – Continued

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Definitions – Continued

"End-customer" refers to the party utilizing CDN service for digital transmission of information.

"Intra-exchange channel service" provides the digital channel facility between two wire centres within the same exchange whenever the service application requires one.

"Metropolitan area" is the SaskTel exchanges of Regina or Saskatoon and their respective extended area service (EAS) exchanges as defined in SaskTel General Tariff Item on Extended Area Service.

"Metropolitan inter-exchange channel service" provides the digital channel facility between a wire centre in a core metropolitan exchange (i.e. Regina or Saskatoon) and a wire centre of another exchange within the metropolitan area of that exchange.

"OC-3" is a channel capable of digital transmission at a nominal 155 Mbps rate.

"OC-12" is a channel capable of digital transmission at a nominal 622 Mbps rate.

"Point of Presence or POP" for the purposes of this service, is defined as any Competitor location which the Competitor has designated as an interconnection site, and may or may not contain a switch.

"Serving wire centre" or "SWC" is the SaskTel building from which an end-customer premise or Competitor POP derives service.

"Serving wire centre area" is the geographical area served by the serving wire centre.

"Simple resale" which is prohibited, is defined as resale of CDN services without added value, e.g. if a Competitor buys services from SaskTel and resells those services to their end-customer, without connecting the services to their own network. Simple resale includes rebilling.

SaskTel Competitor Digital Network (CDN) Services – Continued

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Conditions of Service

Note: Some CDN business service elements may be subject to regulation, as identified in SaskTel Competitor Access Tariff Item on Competitor Digital Network (CDN) Services. Conditions of service listed in the above tariff item apply to forborne CDN business service elements as well.

1. The CDN access service, CDN intra-exchange service, and CDN central office channelizing service include the central office arrangements required to connect to each other when provisioned by SaskTel facilities within the appropriate SaskTel serving wire centre.
2. Central office channelizing service is only available as a CDN service where the Competitor is not co-located in the serving wire centre. If the Competitor is co-located in the same CDN service serving wire centre, refer to the appropriate SaskTel Tariff Item for channelizing feature.
3. CDN metropolitan inter-exchange channel service is not available between exchanges where the cross-section has been forborne and channels are available at terms, conditions and rates applicable to forborne inter-exchange services in SaskTel Competitive Services Tariff Item on Forbearance of Interexchange Private Line Services.
4. Service is provided at SaskTel's discretion within such exchanges depending on the availability of suitable facilities and equipment.
5. All components of CDN service are offered on a monthly basis for which a one month notice of termination is required.
6. When it is necessary for SaskTel to install special equipment or to incur an unusual expense to establish service, the Competitor shall pay an additional charge based on the equipment installed and the unusual expense incurred.

SaskTel Competitor Digital Network (CDN) Services – *Continued*

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Conditions of Service – *Continued*

7. If the end-customer or Competitor's POP is located outside the base rate boundary or island base rate boundary of a serving exchange area, an extra construction charge will apply in addition to the service charges for CDN access listed in this item. Refer to SaskTel General Tariff Items on Extended Data Access Charge and Extra Provisioning Charges.
8. Forborne CDN service shall have a service level objective of an average four-hour mean time to repair (MTTR), determined on a monthly basis.
9. The Competitor is solely responsible for the installation, operation and maintenance of end-customer provided terminal equipment.
10. Competitor terminal equipment attached to SaskTel's network must be certified or connected through a certified network protection device in accordance with SaskTel's Terminal Attachment Standards.
11. For the provision of CDN access, wire centres in SaskTel's territory are categorized according to bands depicting serving areas. SaskTel will determine the bands in which the access is served from the wire centre.
12. For DS-3, OC-3 and OC-12 CDN accesses, prices vary with the band category assigned to SaskTel's wire centres as per SaskTel General Tariff Item on Network Access Service Rate Band Structure.
13. SaskTel may also provide the services in this non-tariff at rates and on terms different from the rates and terms in this item if the service is provided pursuant to an agreement entered into between the company and a competitor.

SaskTel Competitor Digital Network (CDN) Services – Continued

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Rates

The Competitor shall pay to SaskTel the following rates and charges for forborne CDN services. Such rates and charges are in addition to any other rates and charges that may be applicable. Rates for CDN services subject to regulation are identified in SaskTel Competitor Access Tariff Item on Competitor Digital Network (CDN) Services.

CDN Access Service

The following rates and charges apply for each CDN Access as applicable, for each location.

| CDN Access Type | Band | Monthly Rate | Service Charge |
|--|------|--------------|----------------|
| DS-3, each (Note 1, Note 2, Note 3, Note 4, Note 6) | A | # | # |
| | B | # | # |
| | C | # | # |
| | E | # | # |
| | F | # | # |
| | G | # | # |
| OC-3, each (Note 2, Note 3, Note 5, Note 6) | A | # | # |
| | B | # | # |
| OC-12, each (Note 2, Note 3, Note 5, Note 6) | A | # | # |

Note 1: A second DS-3 access may be purchased, and diversely routed under SaskTel Competitive Services Tariff Item on Access Special Routing.

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SaskTel Competitor Digital Network (CDN) Services – Continued

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Rates – Continued

Note 2: Protection which provides duplicate connections on the customer premises between SaskTel's equipment and the customer's equipment is not available.

Note 3: One optical or customer interface port per access for central office and end-customer premise equipment is required.

Note 4: DS-3 requires a coaxial cable equipped with a BNC connector for interconnection.

Note 5: OC-3 and OC-12 requires 2 fibre strands for interconnection.

Note 6: Interface redundancy is not available.

* The company may also provide the service in this non-tariff at rates and on terms different from the rates and terms as defined in this item pursuant to an agreement entered into between the company and a competitor.

SaskTel Competitor Digital Network (CDN) Services – Continued

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Rates – Continued

Competitor Link Service

Competitor Link charges may apply in certain situations, please refer to the rates section in SaskTel Competitor Access Tariff on Competitor Digital Network (CDN) Services.*

* The company may also provide the service in this non-tariff at rates and on terms different from the rates and terms as defined in this item pursuant to an agreement entered into between the company and a competitor.

CDN Intra-exchange channel service

The following rates and charges apply for each CDN Intra-exchange channel required as applicable.

| CDN Intra-exchange channel Type | Monthly Rate | Service Charge |
|--|---------------------|-----------------------|
| DS-0, all bands | # | # |
| DS-1, all bands | # | # |
| DS-3, all bands | # | # |
| OC-s, all bands | # | # |

CDN Metropolitan Inter-exchange channel service

The following rates and charges apply for each Metropolitan Inter-exchange channel required as applicable.

| CDN Metro Inter-exchange channel Type | Monthly Rate | Service Charge |
|--|---------------------|-----------------------|
| DS-0 | # | # |
| DS-1 | # | # |
| DS-3 | # | # |

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End

(Reserved for future use)

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