Megalink Service

Description

Megalink™ service is a central office-based service that digitally transmits data between SaskTel's serving wire centre and ISDN-compatible terminal equipment located at the Customer's premises. The service is based on the ISDN Primary Rate Interface (PRI) Standard developed by the International Telegraph and Telephone Consultative Committee (CCITT).

Megalink service consists of:
- a minimum of 23 data or voice carrying channels that operate at 64 Kbps (called B channels); and
- one data channel that operates at a rate of 64 Kbps (called a D channel) for controlling the B channels.

Component	Description
Access	*Megalink* PRI Access is a digital local loop from the Customer's premises to the serving wire centre. *Megalink* PRI Access is available at a DS-1 bit rate in the Regina, Saskatoon, and Prince Albert exchanges ONLY. Each DS-1 will be one of the following types of access: • *Initial access* - provided as DS-l access configured as 23 B channels, plus one D channel. • *Additional DS-l access* - configured as 24 B channels or 23 B channels plus one D channel, depending on whether the Customer equipment requires single D channel control or multi D channel control. The maximum number of B channels controlled by a single D channel is 431 or 18 DS-1 channels. The initial and additional DS-l accesses make up a *Megalink* System Group. Back-up D channels are available. **Definition**: *Megalink* System Group is a group of B channels served by the same switch, operating together as one large system, terminating at the same address and billed to a single telephone number.

C
D
|
|
|
|

(table continued on next page)

Megalink™ **service is a trademark of Stentor Resource Centre Incorporated used under license.**

Megalink Service - *Continued*   F

Description – *Continued*

Table Continued

Component	Description	
PSTN Termination and ISDN Signaling	Provides the ISDN-compatible connection between the DS-1 access facility and the Public Switched Telephone Network (PSTN), as well as the required D channel call processing for each of the maximum 431 B channels in the ***Megalink*™** System Group. As a mandatory component, it is provided per ***Megalink*** PRI Access DS-1 access.	F C
PSTN Connectivity	Provides for the central office equipment required to connect each B channel with local exchange or inter-exchange services. The number of PSTN Connectivity charges is the lesser of either: • the total number of B channels within the ***Megalink*** System group; *or* • the sum of the size of the Route Traffic Managers (RTM) which handle non-800 numbers and outward PSTN traffic.	 F
Service Extension	Extends ***Megalink*** service via dedicated DS-1 facilities to the Customer's premises in another exchange.	C

Megalink Service - *Continued*   F

Description – *Continued*

The following optional features are available for an additional charge:

Feature	Description
Back-up D Channel	A Back-up D Channel supports the primary D channel in a normal *Megalink*™ configuration. If the primary D Channel's circuit is interrupted, the Back-up D Channel will continue operating for all or a portion of the B channels and will maintain the link to the ISDN equipped serving wire centre.
Calling Line Identification	Displays the telephone number of incoming calls from outside the customer group. Available only on electronic business sets with display.
Calling Name Identification	Displays the name of incoming callers from outside the customer group. Customers who subscribe to Calling Name Identification must also subscribe to Calling Line Identification. Available only on electronic business sets with display.
Inward Route Labeller (IRL)	Assigns the Customer defined call type and service identifier to each call terminating on any set of dialable terminating numbers. Digit manipulation can also be performed on the called number. Two IRL's are provided at no charge.

F

(table continued on next page)

Megalink Service - *Continued*   F

Description – *Continued*

Table Continued

Feature	Description
Route Traffic Manager (RTM)	Limits the number of simultaneous calls. There are two types of Route Traffic Managers: *Inward* - limits the number of calls within the DMS switch by choking certain categories of calls before they reach the ***Megalink™*** System group. *Outward* - limits the number of calls to either a PSTN connection or certain toll plans.
Overflow / Reroute	Redirects calls from an IRL or RTM to another destination as defined by the Customer. Overflow redirects calls within the same serving DMS, while Reroute requires a DMS network management scan point to activate network reroute features used to divert traffic. **Note**: The DMS network management scan point may be provided at cost.
Links to other services	Applies to each toll service or Centrex B channel within a RTM, or in the case of toll free service, it applies per number within a RTM. **Note**: Links to Centrex enable some Centrex features, as defined by SaskTel, within a Centrex customer group to interwork with ***Megalink***. Type A Links provide the software, translations and other switched resources needed to route calls in both directions between a ***Megalink*** access and one or more DS-0 channels associated with the dedicated network service to which the channels are connected. The DS-0 channels must be equipped with Common Channel Signaling #7.
Release Line Trunking (RLT)	In the course of multiple call transfer and forward activity to destinations separate from the ***Megalink*** service, Release Line Trunking (RLT) allows the B-channel used in making the connection to be dropped and made available for future calls.

F

F

Megalink Service – *Continued*   F

Terms and Conditions

These terms, conditions and rates apply only to business exchanges that are forborne
from regulation, as identified on page 360, *Forborne Local Exchanges*. For all other
locations, refer to the regulated General Tariff.

C
F

1. The following services may be connected to *Megalink™* service:
   - Centrex;   F
   - Certain toll and toll free services. |

2. Multi-point and multi-drop configurations are not available.

3. One DS-0 channel is used for each Back-up D channel subscribed to.

4. Customers who subscribe to Calling Name Identification must also subscribe to
   Calling Line Identification.

5. The service charge for each installation of an initial or additional access system
   includes two consecutive days (8:00 a.m.-5:00 p.m. Monday to Friday, excluding
   holidays observed by SaskTel) of testing, rearrangements and required translations
   (assistance time). This condition also applies when the installation of additional
   access systems is requested subsequent to the installation of the initial access system.
   Thereafter, a rate of $89.00 per person per hour (minimum ½ hour) billed in ¼ hour
   increments will apply.

   Note 1: A translations charge will apply for changes such as adding Route Traffic
   Manager, IRL or Overflow/Reroute functions, activating Calling Line or
   Name Identification, or changing the number of PSTN connectivities. It will
   also apply when adding links to other services.

   Note 2: The translations charge does not apply to translations performed during
   initial or additional access system installation.

Megalink Service - *Continued*

Terms and Conditions – *Continued*

6. SaskTel will determine the exchanges (i.e., rate centre and/or wire centre, as appropriate) where it will provide service.

7. Service is provided at SaskTel's discretion within such exchanges depending on the availability of suitable facilities and equipment.

8. When it is necessary for SaskTel to install special equipment or to incur an unusual expense to establish service, the Customer shall pay an additional charge based on the equipment installed and the unusual expense incurred.

9. The Customer is solely responsible for the installation, operation and maintenance of Customer provided terminal equipment.

10. For the provision of *Megalink*™ PRI Access - DS-1, wire centres in SaskTel territory are categorized according to bands depicting serving area. The exchanges of Regina and Saskatoon shall be classified as Band 2 serving areas. All other locations in Saskatchewan, where the service is available, shall be classified as Band 3 serving areas.

C
|

11. Customer 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.

12. If the Customer is located outside the base rate boundary or island base rate boundary of an exchange area, an extra construction charge will apply in addition to the service charges listed in this Item. Refer to the Item on Extended Data Access Charge.

Megalink Service - *Continued*

Terms and Conditions – *Continued*

13. The calculation of *Megalink*™ PRI Access - DS-1 access quantity discounts is subject to the following conditions. All *Megalink* PRI Access - DS-1 accesses must:　　C
    a)　be billed on the same account (Billing Telephone Number (BTN));　　C
    b)　be part of the same Minimum Contract Period (MCP) commitment (i.e., same agreement and same term); and
    c)　terminate at the same Customer premises.

14. If the Customer terminates a contract or a portion of a contract for *Megalink* PRI Access - DS-1 Service prior to the expiry date of the contract term, termination charges equal to one half of the remaining charges for such *Megalink* PRI Access - DS-1 Service for the unexpired part of the contract will be payable in a single payment at the termination of the contract.　　C C |

15. Termination charges for *Megalink* PRI Access - DS-1 service will be reduced or waived if the Customer re-contracts for another access service within SaskTel's operating territory.　　C |

    a)　If the committed revenues under the new contract(s) are equal to or greater than those remaining under the original contract(s), the termination charges for the original contract(s) will be waived.

    b)　If the committed revenues under the new contract(s) are less than those remaining under the original contract(s), the termination charges for the original contract(s) will be reduced by half the committed revenues under the new contract(s).

Megalink Service - *Continued*

F

Rates

Customers in forborne ***business local exchanges*** shall pay to SaskTel the following rates and charges for ***Megalink™*** service. Such rates and charges are in addition to any other rates and charges that may be applicable.

The following rates and charges apply for *initial or additional access:*

Competitors refer to SaskTel Competitor Access Tariff on Competitor Digital Network (CDN) Services.

Megalink Service – *Continued*

Rates – *Continued*

1. ***Megalink*™** PRI Access – DS-1

    a) ***Megalink*** PRI Access – DS-1, each customer, each location **(Note 1)**

Band	Quantity of DS-1s	Monthly Rate							Service Charges Each DS-1	
		Non-Contracted	Minimum Contract Period						Non-Contracted	Contracted
			1 Year	2 Years (Note 3)	3 Years	4 Years	5 years			
2	Initial 4, each (Note 2)	510.00	280.00	270.00	255.00		235.00		1400.00	700.00
	Over 4, each	510.00	160.00	155.00	145.00		120.00		1400.00	700.00
3	Initial 4, each (Note 2)	600.00	330.00	315.00	305.00		285.00		1400.00	700.00
	Over 4, each	600.00	190.00	180.00	170.00		145.00		1400.00	700.00

D
|
|
|
|
|
|
|
|

Note 1: Customers located in non-serving areas pay the rates of Band 3 in addition to the expense incurred to subscribe to DS-1 access.

Note 2: Applies to the initial 28 DS-1's only.

Note 3: Megalink PRI Access is no longer available on a 2 year contract period for new customers. The contract rates for 2 years will continue to apply for existing customers on an active 2 year agreement.

N D
| |
| |
   |
   |
   |
   |
   |
   |
   |
   |
   |
   |
   |

Megalink Service – *Continued*

F

Rates – *Continued*

D

M

The following rates and charges apply for *service extension:*

Rate Distance (miles)	Monthly rate, each DS-1 Channel	Service Charge
1-25	$70.00	$1100.00
26-50	100.00	
51-100	150.00	
101-200	200.00	
201-500	300.00	

M- Moved from Page 196

Megalink Service – *Continued*   F

Rates – *Continued*

The following rates and charges apply for *optional features:*

Equipment	Monthly Rental	Service Charge
Back-up D channel, each	$25.00	$100.00
Inward Route Labeller • first 2 labellers (each)	N/A	N/A
• additional labellers (each)	$20.00	$100.00
Overflow/Reroute	$10.00	$50.00
Route Traffic Manager • first 2 inward RTM's	N/A	N/A
• first 2 outward RTM's	N/A	N/A
• additional RTM's (inward or outward) (each)	$50.00	$150.00
Release Line Trunking	$150.00**	$250.00**

**   Per *Megalink*™.

The following rates and charges apply for *links* to other services:

To Link to…	Monthly Rental	Service Charge
Toll service (per B channel)	$5.00	
Toll-free service (per Toll-free number)	8.00	$50.00
Type A Link Connection (per B channel)	8.00	
Centrex (per B channel)	35.00	

M- Moved from Page 197

Megalink Service – *Continued*

Rates – *Continued*

The following *other charges* may apply:

For…	the charge* is…
translations	$250.00

- applies once per system group per Customer order when the Customer requests a change to their existing *Megalink*™ system group.

Customers in forborne *business local exchanges* shall pay to SaskTel the following rates and charges for *Megalink* Service. Such rates and charges are in addition to any other rates and charges that may be applicable.

For…	Minimum Rate	Monthly Rental	Maximum Rate	Service Charge	
PSTN Termination and ISDN Signaling, per DS-1 Access	#	$150.00	#	$830.00 **(Note 4)**	F
PSTN Connectivity, per B channel	#	$15.00	#	N/A	
Calling Name Identification (per incoming connectivity)	#	$0.00	#	$100.00 **(Note 5)**	F
Calling Line Identification (per incoming connectivity)	#	$0.00	#	$100.00 **(Note 5)**	F

Note 4: This service charge applies for the first D channel. Additional D channels per *Megalink* System Group are $320.00 each.   F

Note 5: This charge applies once per *Megalink* System Group.   F

M- Moved from Page 198

End

 # Confidential

(Reserved for future use)

(Reserved for future use)

(Reserved for future use)

(Reserved for future use)

(Reserved for future use)

(Reserved for future use)