

ITEM
500.14**Managed Digital Private Line Service**

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1. Service Description

Managed Digital Private Line Service provides for the transmission of voice, data and image information over digital channels in multiples of 64 Kbps (DS-0) between two points in the same exchange or between exchanges or between an exchange and an international border crossing point.

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This service is forborne from regulation, pursuant to Telecom Decision CRTC 2000-150, when it is provided on the cross-sections identified in Item 500.02.

2. Definitions

For the purposes of this Tariff Item:

“Basic Control” provides for control of the proprietary network elements included under Network Management and Control System (NMCS) and for the provision for network reports.

“Enhanced Network Management” provides flexible end-to-end management of the proprietary network elements included under NMCS and for the provision of network reports. It features a graphical user interface architecture.

“Feeder Multiplexing Equipment (FME)” refers to equipment located at the customer’s premises that processes multiple signals onto Digital Network Access(s). It has the capability of DS-0 output channels.

ITEM
500.14**Managed Digital Private Line Service – Continued**

C

2. Definitions – Continued

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“Managed Digital Private Line Terminating Equipment (MDPLTE)” provides the customer with a multiplexer interface to the DS-1 access at the individual circuit level together with the ability to process multiple signals onto the high speed (1.544 Mbps) output.

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“Managed Digital Private Line Terminating Equipment Circuit Expansion Unit” provides equipment at the customer’s premises to expand the initial bandwidth capacity.

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“Managed Digital Private Line Terminating Unit (MDPLTU)” refers to the equipment located at the customer’s premises that processes signals onto a Digital Network Access. It has a capacity of up to 64 Kbps per channel with dual channel operation and up to 128 Kbps with single channel operation.

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“Network Control” provides for DS-0 switching at the rate centre and for temporary DS-0 capacity, booked on a reserved, as available basis.

“Network Management and Control System (NMCS)” enables customers to manage and control their network. Features include circuit level activation and deactivation, circuit testing, network statistics, and alarm processing and reporting.

“SaskTel Administered Network Management Control System” controlling equipment may be located on SaskTel’s premises with basic control performed by SaskTel’s personnel for an additional management fee.

ITEM
500.14**Managed Digital Private Line Service – *Continued***

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3. Conditions of Service

1. Managed Digital Private Line Service shall be provided at SaskTel's discretion, within and between exchanges subject to the availability of suitable facilities and equipment. C
2. SaskTel shall determine the exchanges from where service shall be provided.
3. Multi-point and multi-drop configurations are available for circuits terminating on Managed Digital Private Line Terminating units. C
4. Managed Digital Private Line DS-1 Access (refer to the item on Digital Network Access) and DS-3 Access (refer to the item on Digital Network Access) are offered on a monthly basis, with restriction, or on a one to five-year Minimum Contract Period basis. Other Managed Digital Private Line service components are offered on a monthly basis or under a Customer Volume Pricing Plan. (Refer to the item on Customer Volume Pricing Plan) C
5. When it is necessary to install special equipment or to incur an unusual expense to establish Managed Digital Private Line Service, the Customer shall pay an additional charge based on the equipment installed and the unusual expense incurred. C
6. Managed Digital Private Line Service may be connected (by way of Managed Digital Private Line station equipment) to either customer or SaskTel provided terminal equipment located beyond the terminating equipment at the customer's premises. C
7. The Customer is solely responsible for the installation, operation and maintenance of customer provided terminal equipment.

ITEM
500.14**Managed Digital Private Line Service – Continued**

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3. Conditions of Service – Continued

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8. A separate wire centre may be designated as Special Routing Office. In such cases, charges for local channel facilities will be calculated based on the distance measured from the customer's normal serving wire centre, and charges for interexchange channel facilities will be calculated based on the distance measured from the normal rate centre. In addition, the customer shall pay channel charges between the customer's normal serving wire centre and the rate centre, where applicable.
9. Service Extension to the customer's premises or interconnection to other services except Digital Channel Services may be provided via the rate centre or diversity office served by Managed Digital Private Line. C
10. Dedicated MDPLTE may be located at the customer's premises or at SaskTel's rate centre or diversity office. 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. Managed Digital Private Line Service may be connected to other SaskTel Services subject to rates and conditions of services as specified in the other SaskTel Tariffs. As an exception, Digital Private Line Solutions Service Extension Features may not be connected to Digital Channel Services. C
13. Channel capacity shall be requires to accommodate such overheads as signalling and/or supervision over the Managed Digital Private Line Service. C

ITEM
500.14

Managed Digital Private Line Service – Continued

3. Conditions of Service – Continued

14. The FME and MDPLTU may be connected to other Managed Digital Private Line station equipment located at the customer's premises.
15. For MDPLTU dual channel operation, an MDPLTU port is required on the MDPLTE or FME to which the MDPLTU is connected, for each circuit terminating on the MDPLTU.
16. DS-1 and DS-3 Access Special Routing may be provided at rates and charges contained in the item on Access Special Routing, if the customer's premises are located on a route where SaskTel has sufficient and diverse facilities. In cases where sufficient and diverse facilities do not exist, Access Special Routing may be provided based on the costs incurred.
17. Access via other SaskTel services from the customer's premises to a Basic or Enhanced Service Extension Feature located in SaskTel rate centres may be provided as detailed in the item on Digital Private Line Solutions Service Extension Features.
18. This service is no longer available for new customers. Existing customers can continue to order new installations, change of address, moves, rearrangements or additions to existing installations.

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ITEM
500.14

Managed Digital Private Line Service – Continued

4. Rates

The Customer shall pay to SaskTel the following rates and charges for each appropriate Managed Digital Private Line Service item required to establish a customer's network. Such rates and charges are in addition to any other rates and charges that may be applicable.

1. Station Charges for each customer service location:

(a) Terminating Equipment:

Service Item	Monthly Rate	Service Charge
MDPLTE, each	\$ 1327.11	\$ 1300.00
MDPLTE Expansion Unit, each	471.87	300.00
FME, each	663.56	650.00 (Note 1)
MDPLTU, each	75.80	175.00 (Note 1)

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Note 1: An Access Service Charge as specified in the item on Digital Network Access, shall apply whenever an FME is replaced by a MDPLTU, or vice-versa, due to the required reconfiguration of the Digital Network Access.

ITEM
500.14

Managed Digital Private Line Service – Continued

4. Rates – Continued

1. Station Charges for each customer service location: – Continued

(b) FME/MDPLTE Circuit Terminations:

Service Item	Monthly Rate	Service Charge
Analogue Termination, each circuit, each end		
• 2/4 wire E & M Signalling	\$ 91.71	Note 2
• Low Bit Rate Voice (LBRV) (Note 3)	75.80	Note 2
Digital Termination, each circuit, Each end		
• Low Speed Ports	110.96	Note 2
• Synchronous Ports	91.71	Note 2
• Dataphone Digital Service (DDS) Compatible Ports	91.71	Note 2
• High Speed Ports (DS-1) • each DS-0 time slot activated	687.94	N/A
	N/A	Note 2
• Echo cancellation • each DS-0 time slot activated	687.94	N/A
	N/A	Note 2
• Low Bit Rate Voice each DS-0 time slot activated (Note 3)	75.80	Note 2
• MDPLTU Ports	75.80	Note 2, 4
• Enhanced Data Feature No. 1 (Note 5)	687.94	Note 2
• Enhanced Data Feature No. 2 (Note 5)	1115.13	Note 2

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ITEM
500.14

Managed Digital Private Line Service – Continued

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4. Rates – Continued

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Note 2: Up to 5 activities per customer order at \$700.00, additional activities on the same order at \$100.00 each. Service charges apply but are not restricted to the installation of analogue and digital terminations (i.e. MDPLTE, and enhanced Service Extension Feature (ESEF), changes in port configuration, changes to channel grouping and other changes as required, at the customer's premises or in the wire centre.

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Note 3: Analogue Termination – 4 wire E & M Signalling or Digital Termination – High Speed Port monthly rate and service charge also apply to this service item, as appropriate. The service charge does not apply to LBRV if the LBRV is installed at the same time as the 4 wire E & M Signalling termination or the High Speed Port termination.

Note 4: Managed Digital Private Line multi-point and multi-drop configurations are available using MDPLTU's. An additional charge of one MDPLTU port applies for each MDPLTE and FME in the multi-point configuration to which a slave MDPLTU is connected.

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Note 5: This feature is provided at SaskTel's discretion where suitable equipment is available.

ITEM
500.14

Managed Digital Private Line Service – Continued
4. Rates – Continued

1. Station Charges for each customer service location: – Continued

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(c) MDPLTU Digital Terminations, each circuit:

Service Item	Monthly Rate	Service Charge
Low Speed Port	\$ 58.98	Note 2, 6
Synchronous Port	58.98	Note 2, 6

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Note 2: Up to 5 activities per customer order at \$700.00, additional activities on the same order at \$100.00 each. Service charges apply but are not restricted to the installation of analogue and digital terminations (i.e. MDPLTE, and enhanced Service Extension Feature (ESEF), changes in port configuration, changes to channel grouping and other changes as required, at the customer's premises or in the wire centre.

Note 6: A service charge does not apply when installed at the same time as the MDPLTU.

ITEM
500.14**Managed Digital Private Line Service – Continued**

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4. Rates – Continued

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2. Access, each customer location

(a) Digital Network Access (at speeds less than DS-1)

This provides for the digital facilities to connect a customer-located FME or MDPLTU to a Basic or Enhanced Service Extension Feature as appropriate, located in SaskTel's rate centre. It is provided at rates and charges specified in the items on Digital Network Access and Digital Private Line Solutions Service Extension Access Service.

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(b) DS-1 Digital Network Access

DS-1 Digital Network Access is provided at rates and charges specified in the item on Digital Network Access.

(c) DS-3 Digital Network Access

DS-3 Digital Network Access is provided at rates and charges specified in the item on Digital Network Access.

(d) Access via other SaskTel Services

The rates and charges for analogue local connections between a rate centre and a customer's premises is identified in the appropriate SaskTel Tariffs.

ITEM 500.14	Managed Digital Private Line Service – <i>Continued</i>	C
	4. Rates – <i>Continued</i>	F
	3. Network Charges	
	As noted in this item, Managed Digital Private Line is a DS-0 based service. However, rates for larger quantities of inter-exchange channels (e.g., channels occupying DS-1 capacity) are available as detailed in the item on Inter-Office Digital Channels.	C C
	(a) Intra-exchange	
	DS-0 and DS-1 channels between wire centres, or between a wire centre and a rate centre within an exchange are furnished at rates and charges as detailed in the item on Digital Network Access. These channels are not eligible for the Customer Volume Pricing Plan.	
	(b) Inter-exchange	
	DS-0 channels between exchanges are furnished at rates and charges as detailed in the item on Inter-Office Digital Channels.	C

ITEM
500.14

Managed Digital Private Line Service – Continued
4. Rates – Continued
4. Network Management and Control System (NMCS)
(a) Basic Network Management:

Basic Network Management provides for control of the proprietary core network elements included under NMCS and includes the provision of network reports. The monthly rate includes the hardware and software components as well as the Basic Network Management application software provided on the customer's premises.

Service Item	Monthly Rate	Service Charge
Initial Controller	\$ 3649.55	\$ 5000.00 (Note 7)
Additional Controller, each	2838.55	1250.00

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Note 7: Initial system service charge includes training of up to 8 customer personnel at a SaskTel facility.

ITEM
500.14

Managed Digital Private Line Service – Continued
4. Rates – Continued

4. Network Management and Control System (NMCS) – Continued

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(a) Basic Network Management: – Continued

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The controlling terminal may be located on SaskTel's premises with Basic Network Management performed by SaskTel personnel for an additional management fee.

Service Item	Monthly Rate	Service Charge
Management Fee	\$ 2027.52	N/A

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(b) Enhanced Network Management

Enhanced Network Management provides flexible end-to-end management of the proprietary network elements and network reporting. Enhanced Network Management features a graphical user interface architecture. All hardware and software components requires to run the Enhanced Network Management application software on customer premises are customer provided.

ITEM
500.14

Managed Digital Private Line Service – Continued
4. Rates – Continued

4. Network Management and Control System (NMCS) – Continued

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(b) Enhanced Network Management: – Continued

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Service Item	Monthly Rate	Service Charge
First copy of the Enhanced Network Management application software	\$ 4608.02	\$ 2500.00
Additional copies of the Enhanced Network Management application software, each	4055.06	2500.00

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The controlling terminal may be located on SaskTel's premises with Enhanced Network Management performed by SaskTel's personnel for an additional management fee.

Service Item	Monthly Rate	Service Charge
Management Fee	\$ 2027.52	N/A

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(c) Network Control

- (i) Network control provides for channel switching at the central-office.

Service Item	Monthly Rate	Service Charge
Initial Rate Centre	\$ 3170.32	\$ 750.00
Next 4 Rate Centres, each	1105.92	N/A
Additional Rate Centres, each	464.49	N/A

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ITEM
500.14

Managed Digital Private Line Service – Continued

C

4. Rates – Continued

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(c) Network Control – Continued

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(ii) Temporary Bandwidth, (minimum of 2 hours, each channel)

- Temporary Bandwidth, which requires Network Control, provides additional channel capacity, to be used only for data transmission. It is provided between exchanges on a temporary basis, subject to availability, as follows:

Distance Band (miles)	each ½ hour
1-25	\$ 20.00
26-50	25.00
51-100	30.00
101-200	45.00
201-500	50.00
501-1000	60.00
Over 1000	65.00

- Cancellation Charges

Temporary Bandwidth is booked in advance of the time required, and cancellations with less than 5 working days notice are charged as follows:

Notice	Charge
From 3-5 working days	\$50.00
1 or 2 working days	\$ 100.00 or 100% of time cancelled, (whichever is less)
Cancellation on day of booking	100% of time cancelled