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707 **Managed Digital Private Line (MDPL) Service**

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707.1 **Service Description**

MDPL 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. |

This service is forborne from regulation, pursuant to Telecom Decision CRTC 97-20, when it is provided on the cross-sections identified in TCI Tariff CRTC 21461, Item 508. |

For existing outstanding customer agreements that were originally signed under former Stentor National Services Tariff CRTC 7400 Item 303. (the Original Agreement) which include MDPL Service provisioned by TCI, TCI shall continue to provide service pursuant to the terms of the Original Agreement until the expiry date of the Original Agreement, and in accordance with the provisions specified in TCI's Item 707. |

(For up-to-date information on rates, charges and conditions of service of former Stentor member companies other than TCI, see National Services Tariff (CRTC 7400-E) of the former Stentor member companies (the NST), NST Item 303, or the tariffs of the respective former Stentor member companies as applicable.)

Effective 2004 10 06, MDPL Service is no longer available to new customers. This service continues to be available to existing Customers. |

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707.2 **Definitions**

"Basic Control" provides for control of the proprietary network elements included under Network Management and Control System (NMCS) and for the provision of 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)" is equipment located at the Customer's premises that processes multiple signals onto Digital Network Access(s). It has a capability of DS-0 output channels.

"Managed Digital Private Line Terminating Equipment (MTE)" 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.

"Managed Digital Private Line Terminating Equipment Circuit Expansion Unit" provides equipment at the Customer's premises to expand the initial bandwidth capacity.

"Managed Digital Private Line Terminating Unit (MTU)" is 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.

"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.

"Service Extension" refers to equipment in the rate centre which permits the extension of MDPL Service to other Customer service locations.

"Stentor Carrier Administered Network Management Control System" controlling equipment may be located on TCI (or the former Stentor Carrier's) premises with basic control performed by TCI (or the former Stentor Carrier's) personnel for an additional management fee.

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707.3 **Terms and Conditions**

- (a) MDPL Service shall be provided at TCI's and the respective former Stentor Carriers' discretion, within and between exchanges subject to the availability of suitable facilities and equipment. |
- (b) TCI and the respective former Stentor Carriers shall determine the exchanges from where service shall be provided |
- (c) Multi-point and multi-drop configurations are available for circuits terminating on Managed Digital Private Line Terminating Units. |
- (d) MDPL DS-1 Access and DS-3 Access, Item 500 (and the equivalent tariff items of other former Stentor Carriers), are offered on a monthly basis, with restriction, or on a one to five-year Minimum Contract Period basis. Other MDPL Service components are offered on a monthly basis or under a Customer Volume Pricing Plan as detailed in TCI Tariff CRTC 21461, Item 504 (and the equivalent tariff items of other Stentor Carriers). |
- (e) When it is necessary to install special equipment or to incur an unusual expense to establish MDPL Service, the Customer shall pay an additional charge based on the equipment installed and the unusual expense incurred |
- (f) MDPL Service may be connected (by way of MDPL station equipment) to either Customer or TCI (or Stentor Carrier) provided terminal equipment located beyond the terminating equipment at the Customer's premises |
- (g) The Customer is solely responsible for the installation, operation and maintenance of Customer provided terminal equipment |

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707.3 **Terms and Conditions - Continued**

- (h) 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.
- (i) 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 MDPL Service.
- (j) Dedicated MTE may be located at the Customer's premises or at the former Stentor Carriers' rate centre or diversity office.
- (k) Customer terminal equipment attached to the TCI (or former Stentor Carriers') network must be certified or connected through a certified network protection device in accordance with Item 110, Attachments, and other former Stentor Carriers' Terminal Attachment Standards as applicable.
- (l) MDPL Service may be connected to other TCI or former Stentor Carrier services subject to the rates and conditions of service as specified in TCI's and other former Stentor Carriers' Tariff. As an exception, Digital Private Line Service Extension Features (TCI Tariff CRTC 21461, Item 506) may not be connected to Digital Channel Services.
- (m) Channel capacity shall be required to accommodate such overheads as signalling and/or supervision over the MDPL Service.

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707.3 **Terms and Conditions - Continued**

- (n) The FME and MTU may be connected to other MDPL station equipment located at the Customer's premises.
- (o) For MTU dual channel operation, an MTU port is required on the MTE or FME to which the MTU is connected, for each circuit terminating on the MTU.
- (p) DS-1 and DS-3 Access Special Routing may be provided at rates and charges contained in Access Special Routing, Item 712 (and the equivalent tariff items of other Incumbent Carriers), if the Customer's premises are located on a route where TCI and the respective Incumbent Carrier involved have 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 or via special assembly.
- (q) In TCI territory, for DS-1 Access Channel from a Customer's premises located outside the Base Rate Area of the serving wire centre, former TCI General Tariff (CRTC 18001), Item 500.3.14, applies.
- (r) Access via other TCI (or Incumbent Carrier) services from the Customer's premises to a Basic or Enhanced Service Extension Feature located in the TCI (or Incumbent Carrier) rate centres may be provided as detailed in TCI Tariff CRTC 21461, Item 506 (and the equivalent tariff items of other Incumbent Carriers).
- (s) From 2000 11 06 to 2001 05 07, Customers can terminate MDPL Service on a non-forborne cross-section and subscribe to other TCI services without application of service charges for the replacement TCI service. Also, Customers can terminate MDPL Service on a non-forborne cross-section and migrate to a competitor's offering.

In both cases, if the sum of the Customer's eligible charges under the Customer Volume Pricing Plan (CVPP) falls below the contracted Minimum Monthly Billing Commitment (MMBC) as a result of the migration described above, the Customer may decrease the MMBC to the lower MMBC level, without liability and with the same contract term.

In the event that the termination of MDPL Service on non-forborne cross-sections results in a total termination of the CVPP contract, no termination charges associated with the CVPP contract would apply.

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707.4 **Rates**

The Customer shall pay the following MDPL rates and charges for each appropriate MDPL Service item required to establish a Customer's network.

(Note #: For up-to-date information on rates, charges and conditions of service of former Stentor member companies other than TCI, see National Services Tariff (CRTC 7400-E) of the former Stentor member companies (the NST), NST Item 303, or the tariffs of the respective former Stentor member companies as applicable.)

(a) Station Charges for each Customer service location: (See Note # above)

1. Terminating Equipment:

Service Item	Monthly Rate	Service Charge
MTE, each	\$990.00	\$1,300.00
MTE Expansion Unit, Each	352.00	300.00
FME, each	495.00	650.00 (Note 1)
MTU, each	55.00	175.00 (Note 1)

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Note 1: An Access Service Charge as specified in Digital Network Access, Item 500 (and the equivalent tariff items of other Incumbent Carriers) shall apply whenever an FME is replaced by an MTU, or vice-versa, due to the required reconfiguration of the Digital Network Access.

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Rates - Continued

2. FME/MTE Circuit Terminations:

Service Item	Monthly Rate	Service Charge	
Analogue Termination, each circuit, each end			
- 2/4 wire E & M Signalling	\$55.00	Note 2	A
- Low Bit Rate Voice (LBRV) (Note 4)	55.00	Note 2	
Digital Termination, each circuit, each end			
- Low Speed Ports	55.00	Note 2	
- Synchronous Ports	55.00	Note 2	
- Dataphone Digital Service (DDS) Compatible Ports	55.00	Note 2	
- High Speed Ports (DS-1)	412.50	-	
- each DS-0 time slot activated	-	Note 2	
- Echo Cancellation	412.50	-	
- each DS-0 time slot activated	-	Note 2	
- Low Bit Rate Voice each DS-0 time slot activated (Note 4)	55.00	Note 2	
- MTU Ports	55.00	Note 2 and 5	
- Enhanced Data Feature No. 1 (Note 6)	412.50	Note 2	
- Enhanced Data Feature No. 2 (Note 6)	687.50	Note 2	

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., MTE, 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 3: Reserved for future use.

Note 4: 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 5: MDPL multi-point and multi-drop configurations are available using MTU's. An additional charge of one MTU port applies for each MTE and FME in the multi-point configuration to which a slave MTU is connected.

Note 6: This feature is provided at TCI's and the respective Incumbent Carrier's discretion where suitable equipment is available.

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707.4 **Rates - Continued**

3. MTU Digital Terminations, each circuit

Service Item	Monthly Rate	Service Charge
Low Speed Port	\$44.00	Note 2 and 7
Synchronous Port	44.00	Note 2 and 7

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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., MTE, 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 center.

Note 7: A service charge does not apply when installed at the same time as the MTU.

4. Standby Power Supply (TCI only)

Service Item	Monthly Rate	One Time Charge
Standby Power Supply	\$165.00	-

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707.4 **Rates - Continued**

(b) Access, each Customer location: (See Note # above.)

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

This provides for the digital facilities to connect a Customer-located FME or MTU to a Basic or Enhanced Service Extension Feature as appropriate, located in the TCI (or former Stentor Carrier's) rate centre. It is provided at rates and charges specified in Item 500 and Item 709.4 (and equivalent tariff items of other former Stentor Carriers).

2. DS-1 Digital Network Access

DS-1 Digital Network Access is provided at rates and charges specified in Item 500 (and equivalent tariff items of other former Stentor Carriers).

3. DS-3 Digital Network Access

DS-3 Digital Network Access is provided at rates and charges specified in see Item 500 (and equivalent tariff items of other former Stentor Carriers).

4. Access via other TCI or former Stentor Carrier services

The rates and charges for analogue local connections between a rate centre and a Customer's premises is identified in the appropriate TCI (or former Stentor Carriers') Tariffs under local access to analogue inter-exchange channel.

(c) Reserved for future use.

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707.4 **Rates - Continued**

(d) Network Charges: (See Note # above.)

As noted in Item 707.1 (and equivalent tariff items of other former Stentor Carriers), MDPL 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 TCI Tariff CRTC 21461, Item 503 (and equivalent tariff items of other former Stentor Carriers).

1. 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 Item 500 (and equivalent tariff items of other former Stentor Carriers). These channels are not eligible for the Customer Volume Pricing Plan.

2. Inter-exchange (I)

DS-0 channels between wire centres in adjoining exchanges are furnished at rates and charges as detailed in the National Service Tariff (CRTC 7400-E) of the former Stentor member companies (the NST), see NST Item 307.4(2). (See TCI General Tariff Item 705 for definition of “adjoining exchanges”.)

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707.4 **Rates – Continued**

(d) Network Charges – continued

3. Inter-exchange (II)

DS-0 channels between exchanges are furnished at rates and charges as detailed in TCI Tariff CRTC 21461, Item 503.3(2) (and the equivalent tariff items of other Incumbent Carriers).

(e) Network Management and Control System (NMCS): (See Note # above.)

1. 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	\$2,475.00	\$5,000.00 (Note 11)
Additional Controller, each	1,925.00	1,250.00

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Note 11: Initial system service charge includes training of up to 8 customer personnel at an Incumbent Carrier (including TCI) facility. Additional training is available from Bell, TCBC, TCI and NewTel Communications at rates detailed in their respective Tariffs.

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707.4 **Rates – Continued**

(e) Network Management and Control System (NMCS) - continued

1. Basic Network Management - continued

The controlling terminal may be located on TCI (or the Incumbent Carrier's) premises with Basic Network Management performed by TCI (or Incumbent Carrier's) personnel for an additional management fee.

Service Item	Monthly Rate	Service Charge
Management Fee	\$1,512.50	-

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2. 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 required to run the Enhanced Network Management application software on Customer premises are Customer provided.

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707.4 **Rates – Continued**

(e) Network Management and Control System (NMCS) - continued

2. Enhanced Network Management - continued

Service Item	Monthly Rate	Service Charge
First copy of the Enhanced Network Management application software	\$3,437.50	\$2,500.00
Additional copies of the Enhanced Network	\$3,025.00	\$2,500.00

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The controlling terminal may be located on TCI (or Incumbent Carrier's) premises with Enhanced Network Management performed by TCI (or Incumbent Carrier's) personnel for an additional management fee.

Service Item	Monthly Rate	Service Charge
Management Fee	\$1,512.50	-

3. Network Control

a. Network Control provides for channel switching at the central-office.

Service Item	Monthly Rate	Service Charge
Initial Rate Centre	\$2,365.00	\$750.00
Next 4 Rate Centres, each	825.00	-
Additional Rate Centres, each	346.50	-

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(e) Network Management and Control System (NMCS) – continued

3. Network Control - continued

b. Temporary Bandwidth, (minimum of 2 hours, each channel)

(1) Temporary Bandwidth, which requires Network Control, provides additional channel capacity, to be used only for data transmission with the exception of TCI which permits data and voice channels. It is provided between exchanges on a temporary basis, subject to availability, as follows:

Distance Band (miles)	Each 1/2 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

(2) 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