TARIFF

This Tariff, together with other Tariffs of the Company referred to herein which supplement it and are governed by it where stated, specifies the rates, charges and regulations applicable to service, equipment and facilities furnished by the Company. (C) (C)

(D)

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(C)

EXPLANATION OF SYMBOLS

(A)	-	to denote increases
(R)	-	to denote reductions
(C)	-	to denote changes in wording which result in neither increases nor reductions in rates or charges
(D)	-	to denote material previously shown has now been deleted
(M)	-	to denote information moved to or from another page
(N)	-	to denote new rates or items
(S)	-	to denote reissued matter
(V)	-	not available for new installations or for expansion of existing
(Z)	-	available on recovery basis only and at the discretion of the Company

(D)

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DEFINITIONS

Airline Mileage
The airline mileage referred to in this tariff is based on the calculated distance between the service points. Such mileage is computed by using a system of vertical and horizontal co-ordinates related to latitude and longitude.

Alternate Use Arrangement
The term "alternate use arrangement" denotes the facilities required to permit the customer to use a private line service for different types of transmission on an alternate use basis. **(C)**

Authorized User
The term "authorized user" denotes a person, firm or corporation authorized by the Company to be connected to the channels leased to the customer. As authorized user must be specifically named in the application for service and each authorized user shall transmit and receive his particular communications over the equipment installed in this office for this purpose. **(C)**

Authorized users include the following:

(a) persons, firms or corporations who are to receive or send communications from or to the customer only and relating solely to the customer's business. **(C)**

(b) Corporations over which the customer exercises control by contract, lease or ownership of more than 50% of the voting stock.

Channel or Circuit
The term channel or circuit is applied to the inter-city portion of the electrical path provided by the Company to connect the stations at which service is furnished. **(M)**

Company
Company means Northwestel Inc.

Continuous Property
The term "continuous property" means that portion of land occupied by a customer that does not extend beyond property occupied by another party. However, where a customer occupies portions of land fronting on both sides of a public thoroughfare and opposite to each other, or is the sole occupant of buildings located thereon, these portions of land are considered to be continuous property if suitable poles, conduit or enclosed passageway for the placing of circuits between them or between such buildings are provided, installed and maintained by or at his expense. **(C)**

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Approved in CRTC Telecom Order 1987-448, 17 July 1987
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DEFINITIONS

Contract
The contract is the agreement between the customer and the Company covering services furnished under this tariff. The names of the authorized users shall be set forth in the contract.

Customer
A person, firm or corporation contracting for any form of service furnished by the Company.

Drop
The term "drop" as used herein denotes any city or community at which there is a station or stations for sending or receiving signals over facilities furnished under this tariff except the terminals which are defined elsewhere in this section. Specific interpretations of the term drop, as applied to various types of service for rating purposes, are shown in connection with the sections of this tariff covering each type of service.

Duplex Service
Duplex service is that type of service, which is arranged for simultaneous transmission in both directions.

Half Duplex **(M)**
The term "half duplex" denotes service, which provides for transmission alternately in either direction or for transmission in one direction only.

Interface
The term "interface" refers to equipment required to make two different types of systems compatible.

Leg
The term "leg" is applied to that portion of a channel between a drop off the main pricing route and a drop on such route or on another leg.

Local Channel
The term "local channel" is applied to the electrical path by means of which connection is made between a station and the channels.

Operating Territory or Operating Area
Reference to Northwestel Inc.'s operating territory or operating area means that portion of the Province of British Columbia, all of the territory referred to as Yukon Territory and that portion of the Northwest Territories served by Northwestel Inc. **(C)**

Premises
The term "premises" denotes the space occupied by the customer, or authorized user, when in a building or buildings on continuous property (except railroad rights-of-way, etc.) not separated by a public highway.

(M) – Moved from CRTC 3003, Page 18

For explanation of symbols see Page 1

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DEFINITIONS

Regular Service (M1)

Regular service is that which is retained in operation continuously for at least one month.

Service Point

The term "service point" denotes a municipality in which a station of a customer is located or a municipality via which the channel is routed *at the request of the customer*. (C)

Single Service

Single service is the type of service in which the circuit is arranged either for transmission in one direction only or for non-simultaneous transmission in both directions.

Stations

Each separate set of operating equipment, whether furnished by the Company or by the customer, is referred to as a "station". The associated sending and receiving sets on duplex service are considered one station. (C)

Subscriber (C)

See "Customer".

Teleprinter (M2)

The term "teleprinter" is a general term applied to printing telegraph machines. Two general types of teleprinters are furnished, namely, page and tape machines.

Temporary Service

Any private line service furnished for an initial period of less than one month is called "temporary service".

Terminal

The term "terminal" denotes the city or community at each end of the pricing route of any channel facility.

Way Circuit or Channel

A way circuit or channel is a circuit or channel on which there are three or more stations. Any station on a way circuit or channel is referred to as a way station.

(M1) – Moved from CRTC 3003, Page 19
(M2) – Moved from CRTC 3003, Page 20

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Item
1 APPLICATION OF TARIFF

(a) This tariff applies to private line service furnished by Northwestel Inc. (hereinafter referred to as the Company) and contains the regulations and rates governing the leasing of facilities, including channels and station equipment, for use between points within Canada and, where applicable, to that part within Canada of service extending outside Canada furnished by the Company in conjunction with connecting carriers.

(b) The rates and regulations herein also apply to private line service furnished by the Company when connected with overseas facilities of other carriers.

(c) Any change whatsoever in this tariff shall, contemporaneously with the effective date thereof, effect the modification of the obligations of the Company and its customers towards each other to conform thereto. A change in rates, rentals or charges is applicable on and from its effective date whether or not the customer has been billed and/or has paid in advance at the previous rate, rental or charge.

Item
2 DESCRIPTION OF SERVICE

Private line service in this tariff is the furnishing of Company facilities, including channels and station equipment, for the communication purposes of the customer and authorized users, connecting specified locations for a continuous period, for regularly recurring periods at stated hours or for a particular period on a temporary basis.

Item
3 APPLICATION OF OTHER TARIFFS **(N)**

(a) Except as otherwise specified, this tariff supplements the Company's other tariffs. Without limiting the generality of the foregoing, the services, equipment and facilities in this tariff (except as otherwise specified) are subject to the following provisions in General Tariff CRTC 3001:

Definitions
Section 1 – Terms of Service
Section 1A – General
Item 101 – General
Item 102 – Application for Service
Item 103 – Alterations
Item 104 – Payments of Rates and Charges
Item 105 – Rate Rounding Procedure
Item 106 – Resale and Sharing
Item 107 – Bypass
Section III – Non-recurring Charges

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SECTION I – REGULATIONS

(D)

See Page 4 For Table of Contents **(C)**

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Item 101 UNDERTAKING OF THE COMPANY **(C)**

(a) The Company does not undertake to transmit messages but furnishes the use of its facilities, when and where available, to its customers and their authorized users in accordance with the Terms of Service, CRTC 3001 and the regulations, rates and charges contained in this tariff. **(C)**

(b) In no case do the rates set forth in this tariff contemplate the furnishing of employees at the Company's expense to operate the channels or equipment in the customer's or authorized user's premises. **(C)**

(c) The rates and charges contained herein are based upon the provision of standard equipment and facilities and the performance of installation and maintenance work by the Company during regular working hours. When it is necessary to install special equipment, or to incur any unusual expense in order to meet special requirements of a customer, an additional charge may be made based upon the equipment installed or other unusual expense incurred. **(C)**

(d) The rates and charges set forth herein do not cover the furnishing of stationery and other operating supplies such as message blanks or page rolls, number sheets, teleprinter tape, perforator or re-perforator tape, etc.

Item 102 LIABILITY OF THE COMPANY
See Terms of Service, CRTC 3001, Section I

Item 104 LIABILITY OF THE CUSTOMER
See CRTC 3001, Item 4 **(C)**

Item 105 INITIAL CONTRACT PERIOD

(a) The initial contract period for service equipment and facilities furnished by the Company under this tariff shall be one week or one month where the rate or rental is quoted by the week or month, respectively, and one month in other cases unless otherwise specified, provided that the Company may stipulate a longer initial contract period: **(M1)**

i) where it has to do special construction to furnish the service, equipment or facilities applied for;

ii) where it installs non-standard equipment or special assemblies of equipment that cause it to incur unusual expense.

(b) Application for or cancellation of service, equipment or facilities shall be in writing.

Item 106 TERMINATION OF SERVICE **(M2)**
See Terms of Service, CRTC 3001, Section I

(M1) – Moved from CRTC 3003, Page 28
(M2) – Moved from CRTC 3003, Page 29

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Item
107 USE OF SERVICE BY CUSTOMERS

(a) Use of the Company's facilities or services for the purpose of resale or sharing, or interconnection of equipment or circuitry to the Company's facilities, shall conform to the appropriate Industry Canada technical standards and the Company's tariffs. The Company's telecommunications services may be shared or resold in accordance with the conditions set out in CRTC 3001, Item 106 "Resale and Sharing". **(C)**

(M)

(M) – CRTC 3003, Item 107.A.1 and 107.A.2 moved to CRTC 3001, Item 106, pages 44 and 45.

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(M)

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(M) – CRTC 3003, Item 107.A.2 moved to CRTC 3001, Item 106.A

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Item
107 USE OF SERVICE BY CUSTOMERS (cont'd)

(b) The customer shall furnish at his expense any electric power outlets required on his premises. The customer shall also provide the personnel, power, stationery and other supplies required for operation of the station equipment on his premises.

(c) The magnitude and the character of the voltages and the currents impressed on the Company's channel by the customer provided equipment and wiring and the operation and maintenance of such equipment and wiring shall be such as not to interfere with any of the services offered by the Company or interfere with others. **(C)**

(d) Customer equipment attached to the Company's facilities must be in accordance with Northwestel's Connection of Customer-Provided Equipment tariff CRTC 3001, Items 1301, 1302 and 1303.

(e) The channels and equipment furnished by the Company, or by the Company and its other participating carriers, shall not be connected either directly or indirectly with channel facilities provided other than by such companies, except as provided in this tariff.

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Item
108 USE OF SERVICE FOR UNLAWFUL PURPOSES
See CRTC 3001, Item 8.2

Item
109 CANCELLATION FOR CAUSE
See Terms of Service, CRTC 3001, Item 22

Item
110 CANCELLATION BEFORE SERVICE STARTED
See CRTC 3001, Item 20

Item
112 INTERRUPTION OF SERVICE
See CRTC 3001, Item 15

Item **(C)**
113 FURNISHING OF EQUIPMENT
See Terms of Service and CRTC 3001, Items 1301, 1302 and 1303

Item
114 MAINTENANCE AND REPAIRS
See CRTC 3001, Item 4

Item
116 BILLING

When rates are on a monthly or per month basis, the minimum charge is for one month. When service does not begin on the first of a monthly billing period or end on the last day of a monthly billing period, the charge for the fractional part of the monthly billing period during which service is furnished will be a proportionate part of the monthly charge based on the ration of the number of days in such beginning or concluding fractional monthly billing period to 30 days. For example, the pro rata billing for a partial monthly billing period from January 22 through January 31 is 10 thirtieths or one third of the monthly charge. For this purpose a monthly billing period is considered to have 30 days.

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Item
117 PAYMENT

(a) Charges for service and equipment are payable monthly in advance.

(b) The customer is responsible for payment to the Company of charges for all service and equipment furnished to him or an authorized user of his service.

Item
118 ADVANCE PAYMENTS

At the time of application for service, the Company may request an advance payment from those whose credit is not satisfactorily established with the Company.

Item
119 COMBINATION OF CHANNELS

When a combination of two or more channels is necessary to provide channel facilities for a single purpose, charges are determined on the basis of the types and number of channels required.

Item
120 Reserved for Future Use **(D)**

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SECTION II – MILEAGE CHARGES

(D)

See Page 4 For Table of Contents **(C)**

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Item 201 GENERAL **(M)**

The regulations and charges herein apply to channels provided under this tariff, unless otherwise specified.

Mileage charges are based on the provision of standard arrangements of equipment and facilities. When it is necessary for the company to install special equipment or to incur any unusual expense in order to provide any of such channels, an additional charge may be made based on the equipment installed or other expense incurred.

When it is necessary to obtain equipment and/or facilities from another communications organization to provide a service, the Company may levy all charges imposed on it by the other organizations.

Item 202 VOICE GRADE CHANNELS

A. General

These are channels which provide voice-frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated on a two-wire or four-wire basis.

Transmission may be in one direction only or it may be in both directions, simultaneously or alternately, without additional charge.

The Company does not provide any direct current (DC) or low frequency ringing current on the channel nor does it provide DC continuity. Only alternating current, provided by the Customer and at a performance characteristics as established by the Company may be transmitted over the channel.

The channel is furnished as a Schedule 4 Type 4 (Basic) without conditioning or Company provided signalling. Additional charges will apply for conditioning as per CRTC 3003, Item 304.C to provision Type 4A, 4B and 4C.

Schedule IV - the numerical requirements are specified as follows: **(M_1)**

Attenuation Distortion		Envelope Delay Distortion	
Schedule IV (in Hertz)	Overall (Note 1)	Schedule IV (in Hertz)	Overall (Note 2)
Type 4 (Basic) 500-2500 300-3000	 -2 to +8 -3 to +12	Type 4 (Basic) 800-2600	 1750
Type 4A (C1) 1000-2400 300-2700 300-3000	 -1 to +3 -2 to +6 -3 to +12	Type 4A (C1) 1000-2400 800-2600	 1000 1750
Type 4B (C2) 500-2800 300-3000	 -1 to +3 -2 to +6	Type 4B (C2) 500-2600 300-3000 500-2800	 500 1500 3000
Type 4C (C4) 500-3000 300-3200	 -2 to +3 -2 to +6	Type 4C (C4) 1000-2600 800-2800 600-3000 500-3000	 300 500 1500 3000

Notes: 1. (-) and (+) indicate more or less loss, respectively, within the specified bandwidth.
2. Figures are microseconds between minimum and maximum delay in the specified bandwidth.

(M) - Moved from CRTC 3003, 3rd Revised Page 39
(M_1) - Moved from CRTC 3003, Original Page 39A

Issued: 13 June 2007 Effective: 16 July 2007
Interim Approval in Telecom Order CRTC 2007-228, 28 June 2007
Final Approval in Telecom Order CRTC 2007-294, 13 August 2007
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Item
202 VOICE GRADE CHANNELS (cont'd) **(M)**

A. General (cont'd)

Conditions:

1. When it is necessary to install special equipment or to incur any unusual expense to establish a circuit to meet specific customer requirements, the customer shall pay an additional charge based on the equipment installed or the unusual expense incurred.

2. The customer shall pay for any Channel Conditioning (CRTC 3003, Item 304.C) required to furnish the service.

3. Interexchange channels are subject to the transmission standards, operating limitations and equipment capability being met.

4. Customer equipment attached to the Company's facilities must be in accordance with Northwestel's Connection of Customer-provided Equipment Tariff, CRTC 3001, Items 1301, 1302 and 1303.

5. The use of the service by customers shall be in accordance with the conditions outlined in the Use of Service Tariff, CRTC 3001, Item 107.

6. The noise value of the signal current impressed on the signal channel is to be within the limits the Company specifies and must not cause interference or disruption to services furnished or other channels leased by the Company.

B. Local Mileages **(M_1)**

1. General
   Local mileage charges apply to channels between service points in the same city, as follows:

   a) All service points in the same city (Item 202.B.2)

   b) Between one or more service points in a city and the location of the Company's office that is used as a measuring point for an inter-city channel provided for the customer (Item 202.C.2.f). **(C)**

   c) For local channels as described in a) and b) above, which are connected with an Inter-city channel.

(M) - Moved from CRTC 3003, Original Page 39A
(M_1) - Moved from CRTC 3003, 1st Revised Page 39B

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Item 202 VOICE GRADE CHANNELS (cont'd)

B. Local Mileages (cont'd)

2. All service points or stations in same city:

a) General
When a four-wire channel is required, the customer shall pay double the local channel mileage rates.

b) Channels between buildings on different properties:

i) A monthly mileage charge applies for each two-point circuit based on the airline distance between the centres of the buildings in which the circuit terminates except in cases where a Private Line Service terminates in the Company's Central Office and the customer does not require a local loop to the premises.

	Monthly Rental		Service Charge
First quarter mile	$ 74.72	A	Item 503
Ea. additional quarter mile or fraction thereof	21.19	|	Item 503
Minimum	44.31	A	Item 503

ii) For a multi-point channel the chargeable distance for each of the combinations of service points is determined separately. The total chargeable distance is the combination of distances connecting all service points that produce the lowest charge. The higher initial quarter mile charge applies only once.

c) Channel between buildings or points on continuous property:

i) When a channel is provided between buildings on continuous property, rates, rentals and charges apply as follows:

	Monthly Rental		Service Charge
First quarter mile	$ 64.87	A	Item 503
Ea. additional quarter mile	18.41	A	Item 503

ii) When a channel is provided between service points in more than two buildings, the mileage charge applies to the portion of the channel between each pair of buildings.

d) Channel in a building:

i) A monthly rate of $19.32 applies for a channel entirely within one building. A

ii) When a channel is extended to one or more service points outside the building, a charge applies only for the part outside the building (paragraphs b) and c) preceding); for a channel under these conditions a non-recurring service charge applies for each service point in the building in excess of one as per Item 503.

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Item
202 VOICE GRADE CHANNELS (cont'd)

B. Local Mileages (cont'd)

3. Customer Requirements - The customer is to provide, install and maintain the poles or underground conduit, or do the trenching and backfilling for buried wire or cable, required for local channels provided for him on continuous property.

C. Intercity Mileage

1. Channel Measurement (see note)

a) Two Point Channel:

i) The mileage charge is based on the rate distance (chargeable mileage) between the service points of the cities in which the stations are located.

ii) The rate distance is determined as follows:

(a) For points not more than 10 miles apart by airline (map) measurement, the rate distance is the airline distance between them.

(b) For points more than 10 miles apart by airline measurement, the rate distance is based on the vertical (V) and horizontal (H) coordinates of the points. Such distance is the square root of one-tenth the sum of the square of the difference between the V coordinates and the square of the difference between the H coordinates, any remaining fraction of mile being carried to the next higher mile.

b) Multi Point Channel

The rate distance and charge for each of the combinations of pairs of cities (each leg of the circuit) is determined separately (per Item 202.C.1.a above). The total charge is the sum of the charges for the lowest combination of rate distances that connect all service points.

Notes:

(a) For service between points in the Company's operating area, mileage charges are measured as per Item 202.C.1 a) and b). C

(b) i) Subject to 202.C.2, for service between the Company's operating area and a point in British Columbia not served by the Company or in Alberta, mileage charges are measured as per Item 202.C.1. a) and b). C C

ii) For service between the Company's operating area and a point in British Columbia not served by the Company, where the circuit is provided jointly with TELUS Communications BC, mileage charges are measured via the gateway at Dawson Creek, British Columbia except for a circuit between Whitehorse, Yukon and Atlin, British Columbia where the mileage will be measured at a point mid-air between White Mountain, Yukon and Atlin, British Columbia. C C

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Item
202 VOICE GRADE CHANNELS (cont'd)

C. Intercity Mileage (cont'd)

Notes: (cont'd)

(c) For service between the Company's operating area in the Yukon or British Columbia and a point in Canada (excluding service to areas described in (a) and (b) above), mileage charges are measured via the gateway at BALTA. C

(d) For service between the Company's operating area in the Northwest Territories (District of MacKenzie) and a point in Canada (east of Alberta) mileage charges are measured via the gateway at BANT. C

(e) For service between the Company's operating area in Nunavut and a point in Canada not served by the Company, mileage charges are measured via the gateway at James Bay. C C

(f) *Reserved for future use.*

(g) Service to/from Alaska

ALYUK (Alaska-Yukon Border) is the interconnect point for rating Private Wire Circuits between Alaska, west of the 141st Meridian and the Company's operating area. C

SEAYUK (Southeast Alaska-Yukon Border) is the interconnect point for rating Private Wire Circuits between Alaska, east of the 141st Meridian and the Company's Operating Area. C

	V	H
ALYUK	2868	10915
SEAYUK	3640	10442

i) For service between the Company's operating area and Alaska, mileage charges are measured via the gateway at ALYUK or SEAYUK. C
ii) For service between British Columbia beyond the Company's operating area and a point in Alaska, mileage charges are measured via the gateway at Dawson Creek, British Columbia and ALYUK or SEAYUK. C
iii) For service between a point in Canada, except British Columbia and the Company's operating area, and a point in Alaska, mileage charges are measured via the gateways at BALTA and ALYUK or SEAYUK. C

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MILEAGE CHARGES

Item
202 **VOICE GRADE CHANNELS** (continued)

C. Intercity Mileage (continued)

2. Monthly Charges

a) Schedule of Rates

i) Intra Company Schedule of Rates

(a) Charge per Mile

Mileage	Monthly Rate		Mileage	Monthly Rate	
1	$ 152.26	A	57-60	$ 2,467.00	A
2	173.78		61-65	2,711.51	
3	214.61		66-70	2,975.04	
4	215.62		71-76	3,245.37	
5	316.23		77-83	3,465.35	
6	360.63		84-91	3,490.41	
7	455.33		92-100	3,680.12	
8	540.24		101-110	3,783.23	
9	555.40		111-121	3,988.20	
10	562.49		122-133	4,143.57	
11-12	619.31		134-146	4,379.12	
13-14	679.33		147-160	4,427.43	
15-16	743.28		161-175	4,521.84	
17-18	743.79		176-191	4,661.45	
19-20	778.82		192-208	4,937.90	
21-22	909.62		209-226	5,089.29	
23-24	973.73		227-245	5,239.39	
25-26	1,202.02		246-265	5,380.66	
27-29	1,274.30		266-286	5,572.31	
30-32	1,392.17		287-308	5,582.72	
33-35	1,517.74		309-331	6,011.64	
36-38	1,528.27		332-355	6,643.76	
39-41	1,717.48		356-380	6,940.94	
42-44	1,950.48		381-406	6,954.73	
45-48	2,151.19		407-433	7,603.39	
49-52	2,197.62		434-461	8,194.19	
53-56	2,247.66	A	462-490	8,301.88	
			Over 490	8,723.61	A

For explanation of symbols see Page 1

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Item
202 **VOICE GRADE CHANNELS** (continued)

C. Intercity Mileage (continued)

2. Monthly Charges (continued)

a) Schedule of Rates (continued)

i) Intra Company Schedule of Rates (continued)

(b) Service charges as per CRTC 3003, Item 503 apply at each service point for the circuit.

(c) Link Charges
A link charge, as detailed below, is applicable to each termination and origination point of an inter-city, point-to-point channel. In the case of an inter-city, multi-point channel, the preceding applies in addition to a link charge for each end of a multi-point channel and its interconnection point of each leg of the point-to-point channel described proceeding.

	Monthly Rate	Service Charge
Data Channel	$ 128.71	$ 292.82
Voice Channel	$ 141.58	$ 266.20

(d) Local Channel Charge
As per CRTC 3003, Item 202.B

(e) Where applicable, channel Conditioning charges also apply as per CRTC 3003, Item 304.C

ii) Adjacent Company schedule of Rates (Note 1)

(a) Base Charge and Charge per Mile

Mileage	Monthly Base Charge		Monthly Charge per Mile	
0-20	$ 0.00		$ 44.86	A
21-50	332.93	A	32.06	A
51-100	829.36	A	24.48	
101-300	1,950.73	R	10.83	A
301-500	3,226.25	A	7.40	|
501-1000	4,376.39	|	5.07	|
1001-1500	8,114.52	|	1.57	|
Over 1500	9,010.50	A	1.23	A

(b) Service Charges

Service Charges as per CRTC 3003, Item 503 apply at each service point for the circuit.

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Item
202 VOICE GRADE CHANNELS (cont'd)

C. Intercity Mileage (cont'd)

2. Monthly Charges (cont'd)

a) Schedule of Rates (cont'd)

ii) Adjacent Company schedule of Rates (Note 1) (cont'd)

(c) Link Charge
A link charge as detailed below is applicable to each termination and origination point of an inter-city, point-to-point channel. In the case of an inter-city, multi-point channel, the preceding applies in addition to a link charge for each end of a multi-point channel and its interconnection point of each leg of the point-to-point channel described proceeding.

	Monthly Charge	Service Charge
Data Channel	$ $79.86 A	$ $266.20 A
Voice Channel	$ $79.86 A	$ $266.20 A

(d) Local channel Charge
As per CRTC 3003, Item 303.B.

Note:
1. As of 30 September 2004, this service is destandardized and will not be available to new customers. Moves and rearrangements will not be carried out for existing customers. However, customers with an existing channel rated in accordance with this service may retain it until it is no longer required or replaced by another service. Digital channels are available under Digital Private Line Service, CRTC 3003, Item 1112 and rated accordingly.

b) Short-term Channels
Inter-city channels, which are provided for periods of one day or more but less than one month, are charged at the monthly rate.

c) Applicable Schedule of Rates

i) For a channel within the Company's operating area, use the Intra-Company Schedule of Rates.

ii) For service extending beyond the Company's operating area to a service point in Canada, voice grade channels are available in conjunction with Digital Private Line Service, CRTC 3003, Item 1112 and rated accordingly.

iii) For service between the Company's operating area and Alaska, use the Intra-Company Schedule of Rates applicable to the gateway at ALYUK or SEAYUK.

For explanation of symbols see Page 1

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Item 202 VOICE GRADE CHANNELS (cont'd)

D. Drop-Service Charge **(C) (M)**

1. When telephones or service points in more than two cities are connected by the same channel, a monthly drop-service charge of $25.60 applies at each city other than the two terminals, regardless of the number of telephones or service points connected in any such city, in addition to all other rates and charges.

2. In determining the application of drop-service charges for a multi-point channel that has telephones or service points in Canada and Alaska, the Canadian part of the inter-city channel is considered separately, the border-crossing point is classed as a terminal. When two or more inter-city channels, each extended from a different border-crossing point, are used to connect telephones or service points in Canada to a channel in Alaska, each such Canadian channel is considered separately in the application of drop-service charges.

E. Interruptions **(C)**

1. Rebates for interruptions are computed as detailed below. A rebate may also apply for terminating equipment made inoperable because of an interruption to the circuit.

2. For a channel between points in the same, city, no rebate is made for an interruption if operation is restored on the day on which the Company learns of it or on the following day. For a later restoral, the Company makes a rebate of the proportionate part of the monthly charge for the total period during which the interruption continues.

3. For an inter-city channel, the duration of each interruption is computed from the time at which the Company learns of it. No rebate is made for any interruption of less than 30 minutes. Each interruption of 30 minutes or more is credited in multiples of one-half hour, any remaining fraction of 30 minutes being counted as one-half hour. The total of all such interruptions during the month determines the amount to be credited t the subscriber.

Item 203 ***Reserved for Future use*** **(C)**

Item 204 INTERRUPTIONS **(M_1)**

General

A. Rebates for interruptions are computed as detailed below, unless a different method for their computation is specified in that part of this tariff applicable to the particular service or facility. A rebate may also apply for terminating equipment made inoperative because of an interruption to the circuit.

B. In the event of service interruption of an intra-city channel, where a monthly rate is charged, no rebate of charges shall be made by the Telecommunications Company for an interruption if service is restored on the day on which such interruption is made known to the Telecommunications Company or on the following day. For a later restoral of service, the Telecommunications Company will make a rebate of the proportionate part of the monthly charge for the total period during which the interruption continues.

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(M_1) - Moved from CRTC 3003, Original Page 61

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Item 204 **INTERRUPTIONS** (cont'd) **(M)**

General (cont'd)

C. In the event of service interruption of an inter-city channel, where a monthly rate is charged, no rebate of charges shall be made by the Telecommunications Company for an interruption of less than 30 consecutive minutes calculated from the time such interruption is made known to the Telecommunications Company.

D. For the purpose of computing rebates for service interruptions, each month is considered to have 30 days.

E. 1) For a leased overseas circuit, a refund may be made if there has been non-operation for a period of at least 3 consecutive hours after it has been reported to the Telecommunications Company by the subscriber.

2) For each period of non-operation of 3 consecutive hours, the basis of the refund is 1/5th of the charge for a day's lease, which is:
- for a lease of more than one month, 1/30th of the monthly rental;
- for a lease of less than one month, the total rental divided by the number of days reckoned in the lease;

with a maximum of one day's rental for any period of 24 consecutive hours.

3) However, the International carrier need not consider requests for refunds resulting from unfavourable propagation conditions for radio circuits. **(M_1)**

4) Requests for refund charges resulting from the use of the public telecommunication service (telephone, telegraph or telex) during the period when the leased circuit is not available will not be entertained.

5) No refund shall be granted when an interruption (regardless of how long it lasts), or the non-operation of the leased circuit, is due to the negligence of the subscriber or to a fault in the apparatus or equipment operated by him regardless of who provides an/or maintains the equipment.

Item 205 **TEMPORARY SERVICE** **(M_2)**

A. Temporary service is furnished for a period of less than one month when equipment and channels are available. If unusual construction or other expense is involved in furnishing the service an additional charge may be made based upon such expense.

B. The charge for circuitry, equipment and local channels is a minimum of one month plus applicable installation charges.

Item 206 ***Reserved for Future Use*** **(C)**

(M) - Moved from CRTC 3003, Original Page 61
(M_1) - Moved from CRTC 3003, Original Page 62
(M_2) - Moved from CRTC 3003, Original Page 63

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Interim Approval in Telecom Order CRTC 2007-228, 28 June 2007
Final Approval in Telecom Order CRTC 2007-294, 13 August 2007
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Item
207 CHANNELS FOR SIGNAL TRANSMISSION **(M)**

A. General

1. Channels are leased for the transmission of signal pulses between items of equipment of the customer that require direct current continuity or metallic facilities. Applications for this service consist of:

   a) Remote reading of electric, water, steam, oil and gas meters.

   b) Remote operations of electric, radio, water, steam, oil and traffic systems and rail switching positions.

   c) Operation of signaling devices of the customer such as police, fire, watchman, sprinkler and burglar alarms and clock, messenger, telautograph, call box and buzzer equipment.

   Conditions

   1. The Telecommunications Company provides a suitable termination of the channel on the customer's premises reasonably close to his terminating equipment. On request of the customer, the Telecommunications Company provides, installs and maintains certain items of terminating equipment, for which established charges apply. All additional equipment and wiring is to be provided, installed, owned and maintained by the customer, in accordance with the following regulations:

      a. the potential of a direct current supply used with such equipment is not to exceed 135 volts positive or negative between any conductor and ground;

      b. the potential of an alternating current supply used with such equipment is not to exceed 50 volts root mean square value between conductors or between any conductor and ground;

      c. the operating equipment used in the customer's system is not to exceed 350 milliamperes; and

      d. the customer's system is to be so designed so that it is in accordance to Industry Canada CS-03 and be registered in accordance with Industry Canada DC-01 and connected in accordance with other applicable provisions in CRTC 3001, Items 1301, 1302 and 1303.

   2. Regular direct current or ringing current is provided without additional charge if facilities are available. Otherwise such current is provided at an additional charge based on the cost incurred.

   3. When it is necessary to install special equipment or to incur any unusual expense to establish a circuit to meet specific customer requirements, the customer shall pay an additional charge based on the equipment installed or the unusual expense incurred. **(M_1)**

   4. Interexchange channels are subject to the transmission standards, operating limitation and equipment capability being met.

   5. Provisioning is subject to the availability of metallic facilities.

(M) - Moved from CRTC 3003, 2nd Revised Page 65
(M_1) - Moved from CRTC 3003, 7th Revised Page 66

For explanation of symbols see Page 1

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Item 207 **CHANNELS FOR SIGNAL TRANSMISSION** (cont'd) **(M)**

A. General (cont'd)

6. Customer equipment attached to the Company's facilities must be in accordance with NWTel's Connection of Customer-Provided Equipment Tariff CRTC 3001, Items 1301, 1302 and 1303.

7. The use of the service by customers shall be in accordance with the conditions outlined in the Use of Service Tariff CRTC 3003, 107.

8. The noise value of the signal current impressed on the signal channel is to be within the limits the Company specifies and must not cause interference or disruption of services furnished or other channels leased by the Company.

B. Use of Channels

1. Transmission may be in one direction only or it may be in both directions, simultaneously or alternately, without additional charge.

2. Channels are leased for continuous use on a two-point or multi-point basis.

C. Installation Charges

1. Signal channel station installed or reconnected:

   a. a non-recurring installation charge as per Item 503 applies for each station;
   b. a non-recurring installation charge as per Item 503 applies for the reconnection of each channel suspended without termination.

D. Class of Service **(M_1)**

Class C
Voice grade signal channel which provides facilities having bandwidth equivalent to those provided on normal voice telephone service (approximately 3,000 Hz).

E. Inter-city Channels

1. The monthly rates for Class C signal channels provide for continuous operation and are as per CRTC 3003, Item 202.C (voice grade).

2. Inter-city channels which are provided for a period of one day or more, but less than one month, are charged at the monthly rates.

F. Local Channels **(M_2)**

Regulations and rentals for Class C channels apply as per CRTC 3003, Item 202.B (voice grade).

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(M_2) - Moved from CRTC 3003, 7th Revised Page 68

For explanation of symbols see Page 1

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Item
207 CHANNELS FOR SIGNAL TRANSMISSION (cont'd)

G. Drop-service Charges

1. When service points in more than two municipalities are connected with the same class C signal channel, a monthly drop-service charge of $ 31.03 applies at each municipality other than the two terminal municipalities, regardless of the number of service points connected in any such municipality, in addition to all other rates and charges. A

2. In determining the application of drop-service charges for a multi-point channel that has service points in Canada and Alaska, the Canadian part of the inter-city channel is considered separately and the border-crossing point is classed as a terminal. When two or more inter-city channels, each extended from a different border-crossing points, are used to connect service points in Canada to a channel in Alaska each such Canadian channels is considered separately in the application of drop-service.

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SECTION III – DATA TRANSMISSION SERVICE

(D)

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DATA TRANSMISSION SERVICE ARRANGEMENTS

SECTION III

Item
301 DESCRIPTION OF SERVICE **(C)**

A. Channels are leased for the transmission of data and text material between data transmitting and receiving equipment of the Customer between service locations.

The data processing equipment and the station wiring for data transmission purposes, other than the data terminal equipment referred to under "Rates" following, generally are provided by the subscriber.

B. Transmission may be in one direction only or it may be in both directions simultaneously or alternately with no additional charge.

Conditions:

1. When it is necessary to install special equipment or to incur any unusual expense to establish a circuit to meet specific customer requirements, the customer shall pay an additional charge based on the equipment installed or the unusual expense incurred.

2. The customer shall pay for any Channel Conditioning (CRTC 3003, Item 304.C) which is required to furnish the service.

3. Interexchange channels are subject to the transmission standards, operating limitations and equipment capability being met.

4. Customer equipment attached to the Company's facilities must be in accordance with NWTel's Connection Customer-Provided Equipment Tariff CRTC 3001, Items 1301, 1302 and 1303.

5. The use of service by customers shall be in accordance with the conditions outlined in Northwestel's Use of Service Tariff CRTC 3003, Item 107.

6. The noise value of the signal current impressed on the signal channel is to be within the limits the Company specifies and must not cause interference or disruption to services furnished or other channels leased by the Company.

Item
302 CHANNEL SCHEDULES **(D)**

Schedule 4 **(C)**

These channels are similar to those provided for voice-frequency transmission in the nominal frequency range of 300 to 3000 Hz. When the transmission characteristics of a Type 4 (Basic) channel do not meet the subscriber's requirements a Type 4A, Type 4B or Type 4C channel conditioned to provide certain envelope delay and loss deviation characteristics may be provided at the appropriate rates and charges as per CRTC 3003, Item 304.C.

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Item 302 CHANNEL SCHEDULES (cont'd)

Schedule IV – the numerical requirements are specified as follows: **(C)**

Attenuation Distortion		Envelope Delay Distortion	
Schedule IV (in Hertz)	Overall (Note 1)	Schedule IV (in Hertz)	Overall (Note 2)
Type 4 (Basic) 500-2500 300-3000	 -2 to +8 -3 to +12	Type 4 (Basic) 800-2600	 1750
Type 4A (C1) 1000-2400 300-2700 300-3000	 -1 to +3 -2 to +6 -3 to +12	Type 4A (C1) 1000-2400 800-2600	 1000 1750
Type 4B (C2) 500-2800 300-3000	 -1 to +3 -2 to +6	Type 4B (C2) 500-2600 300-3000 500-2800	 500 1500 3000
Type 4C (C4) 500-3000 300-3200	 -2 to +3 -2 to +6	Type 4C (C4) 1000-2600 800-2800 600-3000 500-3000	 300 500 1500 3000

Notes: 1. (-) and (+) indicate more or less loss, respectively, within the specified bandwidth.

2. Figures are microseconds between minimum and maximum delay in the specified bandwidth. **(D)**

Item 304 RATES

A. Channel Mileage **(C)**

Channel Mileage Rates are determined as follows:

Local channels as per CRTC 3003, Item 202.B (voice grade).
Inter-city channels as per CRTC 3003, Item 202.D (voice grade).

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Item
304 **RATES** (cont'd)

B. Service Charge

A non-recurring service charge as per Item 503 applies to each data channel loop connected to subscriber provided equipment.

C. Channel Conditioning Arrangements

These are required for certain Schedule 4 inter-city channels as follows:

	Monthly Rental		Service Charge	
First Station in each city				
On a two-point channel not arranged for switching				
Type 4A	$ 27.22	A	$ 25.28	A
Type 4B	71.33		29.70	
Type 4C	162.51	A	59.89	A
On a two-point channel arranged for switching and on a multi-point channel				
Type 4A	71.44		29.70	
Type 4B	122.10		49.50	
Type 4C	Special Assembly			
Each Additional Station in the same city and on the same channel				
Type 4A	54.23	A	20.90	
Type 4B	50.87		29.70	
Type 4C	Special Assembly			

On an intra-city channel, conditioning of the type indicated above is not generally required. Each situation will require to be investigated to determine if conditioning is required and type. If required to be furnished, additional rental applicable will be determined on a special assembly basis.

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Item 304 **RATES** (cont'd)

D. Modem Charges

On Schedule 4 channels, a modem is required to modulate signals generated by data terminal equipment to signals suitable for transmission over channels furnished by the Company and to demodulate signals received from such channels for delivery to data equipment. Such terminal equipment is generally furnished by the Company but it may be provided by the customer.

The following rates apply for modem equipment furnished by the Company:

Speed	Monthly Rate: Month to Month	1 Year Contract **(N)**	3 Year Contract **(N)**	5 Year Contract **(N)**	Installation (Note 1)
113 Data Set (Answer-only) **(Z)**					
19.2kb/s Line – Driver	73.20 **A**	54.45	47.19	41.14	157.30
64kb/s Line – Driver	174.24	154.88	131.89	116.16	197.23
300 bps	105.27	94.38	78.65	70.18	157.30
1200 bps	105.14 **A**	84.70	72.60	64.13	157.30
2400 bps	127.05	111.32	95.59	84.70	157.30
4800 bps	271.04	239.58	204.49	180.29	197.23
9600 bps	363.00	323.07	274.67	242.00	197.23
1200 bps **(V)**	124.70 **A**	-	-	-	

Notes: 1) Installation rates apply at locations staffed with qualified technicians. At other locations the customer shall bear the cost of the technicians travel time, transportation and lodging. The maintenance and repair depots for B.C. and Yukon are in Whitehorse, Y.T., Fort St. John, B.C. and Fort Nelson, B.C. The maintenance and repair depots for the Northwest Territories are in Yellowknife, Hay River and Inuvik, N.W.T. The customer shall not bear any of the costs associated with travel and related travel expenses when the cause of the technician's visit is the result of an error on the part of the Company in installing the equipment.

Item 304.D 2900 bps, 1200 bps, 4800 bps, 1200 bps moved from CRTC 3001, Items 1405.1 and 1405.2 on p. 208 and items 1405.6 and 1405.7 on p. 209, respectively.

For explanation of symbols see Page 1

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Item
304 **RATES** (cont'd)

Data Equipment Cabinets (Note 1)	Monthly Rate	Service Charge	
Category A –			
Shelf or floor application for small equipment configurations.			**(C)**
Minimum height 13.25 inches and maximum height 29 inches	--	Special Assembly	
Category B –			
Stand alone floor units for large equipment configuration.			
Height 60 inches and 72 inches	--	Special Assembly	**(C)**
Height 84 inches	--	Special Assembly	

(D)

E. Station Terminal Equipment Charges

See Section IV

F. Relocation Charges

When equipment items referred to above are relocated in same or different premises, installation charges apply.

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Item
304 **RATES** (cont'd)

G. Stand Alone Terminals

	Non-Contracted Monthly Rate	Service Charge
Synchronous Modems		
Modem Speed 2400 bps	$ 84.70	
Maintenance Charge	14.52	
PL/PSTN Modem Speed 2400 bps	111.32	$ 193.60
Asynchronous/Synchronous Modems		
Modem Speed 1200 bps	$ 101.01 A	$ 193.60

H. Rack Mounted Terminal

	3yr Monthly Contracted Rate	Service Charge
Synchronous Modems		
Modem Speed 4800 bps	$ 90.75	$ 96.80

	Non-Contracted Monthly Rate	Service Charge
Asynchronous Modems		
Modem Speed 300 bps	$ 45.98	$ 121.00

I. Data Connector Equipment

Connecting Equipment furnished to connect customer-provided data terminal equipment.
Data Connector, each..... $ 14.39

For explanation of symbols see Page 1

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Item
304 **RATES** (cont'd)

J. Bridging Service

A Central Office bridging arrangement is furnished for 4-wire, multi-point, schedule 4 type 4 data channels. Isolation is provided for each leg of the channel. One bridging arrangement is required for each drop/slave leg of the channel.

	Monthly Rate	Service Charge (Note 1 & 2)
Bridging arrangement for each drop/slave leg	$ 58.56 A	$ 363.00

Note 1: The one time service charge is for each drop, irrespective of whether all the drops are installed at the same time or at different times.

Note 2: These service charges apply to all manned communities. For other communities the customer shall bear the cost of the technicians travel time, transportation and lodging for each visit in addition to the above service charges.

The present manned communities are:

Dease Lake, Fort Nelson, Fort Simpson, Fort Smith, Hay River, Inuvik, Norman Wells, Yellowknife, Cambridge Bay, Iqaluit, Nanisvik, Rankin Inlet, Dawson City, Faro, Watson Lake and Whitehorse.

All other communities are unmanned.

For explanation of symbols see Page 1

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SECTION IV – TELEPRINTER SERVICES

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Item 401 GENERAL

A. Teleprinter service provides for the furnishing of facilities for communication between specified locations. Such communications consists of the transmission of electric impulses which are reproduced in the form of printer characters.

B. The service is furnished between two or more serving areas seven days a week for day, night or 24-hour service and continuously within the same service area.

Item 402 STATION EQUIPMENT

Pursuant to Telecom Decision CRTC 2012-102, the Company is forborne on service terms with regard to the installation, maintenance and rental of equipment for the provision of Teleprinter service as found within the Teleprinter Service tariff, when provided in the Exchange centres of Whitehorse and Yellowknife. Accordingly, Teleprinter installation, maintenance and rental services in Whitehorse and Yellowknife may be offered on rates or terms different from those below. C C

Teleprinter and Auxiliary Equipment

The following monthly rates and installation charges apply. They provide 5 and 8 level operation as indicated.

A. Page Teleprinters: 5-level

	Monthly Rate Equipment Service	Monthly Rate Equipment Spare	Service Charge
1 Model 28 (See Note)..... (V)			
Send-Receive (28 PSR) ..... (V)	$ 149.00(x)	$ 118.00(y)	$ 75.00
Receive Only (28 PRO)..... (V)	129.00(x)	103.00(y)	75.00
Send-Receive Automatic (28 ASR) (V)			
Type 1..... (V)	282.00(x)	217.00(y)	75.00
2 ..... (V)	308.00(x)	236.00(y)	75.00
5 ..... (V)	308.00(x)	236.00(y)	75.00
6 ..... (V)	333.00(x)	256.00(y)	75.00
9 ..... (V)	316.00(x)	248.00(y)	75.00
10 ..... (V)	341.00(x)	266.00(y)	75.00
13 ..... (V)	333.00(x)	257.00(y)	75.00
14 ..... (V)	357.00(x)	276.00(y)	75.00
14 VSL-245 ..... (V)	399.00(x)	310.00(y)	75.00

Note: Same rates apply for wall-mounted units

(x) $8.00 additional for 75-baud operation.
(y) $6.25 additional for 75-baud operation.
(w) $4.75 additional for 75-baud operation.

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Item
402 **STATION EQUIPMENT** (cont'd)

A. Page Teleprinters: 5-level (cont'd)

Features as follows are available with the 28 Send-Receive Automatic Teleprinter:

Type	Perforator Non-Typing	Perforator Typing	Reperforator Non-Typing	Reperforator Typing	Fixed Gate Single Contact	Tape Reader Multi-Contact
1	x				x	
2	x					x
5		x			x	
6		x				x
9			x		x	
10			x			x
13				x	x	
14				x		x

		Monthly Rate Equipment Service		Monthly Rate Equipment Spare		Service Charge
2	Model 32 (Z)					
	Send-Receive (32 KSR)..... (Z)	$ 117.00	**(A)**	$ 78.60	**(A)**	$ 75.00
	Receive Only (28 RO) ..... (Z)	99.85		74.90		75.00
	Send-Receive Automatic (32 ASR) (Z)	200.00		149.00		75.00

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Item
402 **STATION EQUIPMENT** (cont'd)

B. Auxiliary Equipment: 5-level

	Monthly Rate Equipment Service	Monthly Rate Equipment Spare	Service Charge
1 Reperforators (Tape Punch) Model 28			
Non-Typing (Q) ..... (V)	$ 99.85(x)**(A)**	$ 74.90(x)**(A)**	Item 503
Typing (ROTR)(Q) ..... (V)	117.00(x)**(A)**	89.85(x)**(A)**	Item 503
2 Reperforator-Transmitters (Punch Reader) Model 28			
RT Set ..... (V)	$ 149.00(x)**(A)**	$ 111.00(w)**(A)**	Item 503

Note 1: Same rates apply for 6, 7 or 8-level units.

(Q) Producing chad or chadless tape.
(x) $8.00 additional for 75-baud operation
(y) $6.25 additional for 75-baud operation
(w) $4.75 additional for 75-baud operation

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Item
402 **STATION EQUIPMENT** (cont'd)

C. Page Teleprinters: 8-level

	Monthly Rate Equipment Service		Monthly Rate Equipment Spare		Service Charge
1 Model 33					
Send-Receive (33 KSR)..... (Z)	$ 118.00	**(A)**	$ 87.85	**(A)**	$ 75.00
Send-Receive Automatic (33 ASR) (Z)	203.00		151.00		75.00
Receive Only (33 RO) ..... (Z)	95.00		76.05		75.00

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Item
402 **STATION EQUIPMENT** (cont'd)

D. Infomode Equipment

	Monthly Rental		Service Charge
Infomode Series			
Infomode 50 (5-level)	$ 95.85	**(A)**	$ 75.00
Infomode 60 (6-level)	105.00		75.00
Infomode 80 (8-level)	150.00		75.00
Options for above			
Pedestal	3.45		75.00
Paper Winder	13.15		75.00
Sprocket Feed	28.75		75.00
Selective Calling	26.10		75.00
Low Paper Switch (*)	3.55		75.00
Infomode 150 – Basic Unit	183.00		75.00
Options			
Auto Motor Control	4.70		75.00
Top of Form/Bottom of Form	11.20		75.00
Printer Controller	19.50		75.00
Serial Interface	19.50		75.00

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Item **(D)**

402 STATION EQUIPMENT (cont'd)

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Item
402 **STATION EQUIPMENT** (cont'd)

E. Auxiliary Equipment: 8-level

		Monthly Rate Equipment Service		Monthly Rate Equipment Spare		Service Charge
1	Data Loop Converter (CDI-101)..... (Z)	$ 17.10	**(A)**	--		Item 503
	The above unit interfaces data processing equipment and/or Teleprinter equipment using RS232 binary voltage signals with Telex or VFCT facilities, i.e., it converts binary voltage signals to DC current signals used on telegraph facilities. The CDI-101 is not speed or code-sensitive and is suitable for all signals up to 200 bauds.					
2	Reperforator					
	Typing..... (Z)	135.00	**(A)**	101.00	**(A)**	Item 503
3	Transmitter Distributor (Note)..... (Z)	64.15	**(A)**	47.25	**(A)**	Item 503

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Item 403 MISCELLANEOUS EQUIPMENT

	Monthly Rental	Service Charge	
Busy Indicating Lamp ..... (z)	$ .95	Item 503	
Combined Carriage Return and Line Feed Automatic Arrangement for Model 28 Teleprinter..... (v)	1.90	Item 503	
Copy Holder (offset, only provided on Model 28)	3.35	Item 503	
File Copy Holder (see copy holder, offset)			**(M_1)**
Lamp Indicator..... (z)	2.95	Item 503	**(M_2)**
With Lockup Feature ..... (z)	11.65	Item 503	
Cut-off Key (Optional) ..... (z)	.70	Item 503	
Single Stroke Chime ..... (z)	3.80	Item 503	
Line Indicator Unit..... (z) (Note: available on a special assembly basis)	3.35	Item 503	**(M_1)**
Line Test Indicating Lamp ..... (z)	.95	Item 503	
Motor Control (W.U. 1204)..... (z)	12.70	Item 503	
Paper Out Alarm ..... (z)	3.35	Item 503	
Paper Winder ..... (z)	6.40	Item 503	

Item 404 SELECTOR EQUIPMENT **(M_3)**

For Model 28 Teleprinters

Basic equipment for each teleprinter.....	9.20	Item 503
Ea. add'l function including single letter (common) answerback	1.90	Item 503

(M_1) – Moved from CRTC 3003, Page 100
(M_2) – Moved from CRTC 3003, Page 101
(M_3) – Moved from CRTC 3003, Page 104

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SECTION V – SERVICE CHARGES

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SERVICE AND RELOCATION CHARGES

Item 501 GENERAL

A. Changes of Address and Outside Moves

A move of station equipment to another building on the same or different premises or within the same building is charged for as a new installation.

B. The subscriber is responsible for the installation, operation and maintenance of customer provided equipment, apparatus or devices which are attached or connected to or used with the Company's facilities. **(C)**

When a repair visit is made to a subscriber's premises and no trouble is found in the Company's facilities but such trouble continues to be present when the subscriber-provided equipment is reconnected to the Company's facilities, a charge as specified in Item 503 applies.

If however, the trouble is no longer present upon such reconnection, no charge will apply.

If the trouble has cleared by the time Company personnel test the service, no charge shall be made.

The maintenance of subscriber-provided equipment shall be the responsibility of the subscriber. In the event the Company enters into an agreement to repair and maintain subscriber-provided equipment, such work shall be charged on an hourly rate or in accordance with a maintenance service agreement based on customer requirements. The maintenance service agreement will include rates, terms and conditions covering provision of such service.

C. When station equipment is replaced or modified at the subscriber's request, for any reason (Except incases of service failure) or, the operating speed of existing station equipment is changed, the tariffed installation charge applies.

When relocation is coincident with these changes, the non-recurring charge will be that for the new installation only.

Item 502 CONVERSION OF STATION EQUIPMENT

A Premise Work charge as specified in Item 503 applies, in addition to the regular service charge, for modifying each item of station equipment to operate as separate sending and receiving units, if the work is done subsequent to the initial installation. **(C)**

Issued: 01 November 1985 Effective: 01 November 1985
Approved in CRTC Telecom Decision 1985-23, 29 October 1985
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Item
503 SERVICE CHARGES

1. General

A. A service charge applies when the Company provides service, equipment and/or facilities to its customers, including that at a new address for an existing customer, or when the Company performs work at the customer's request.

B. A service charge is designed generally to recover, in whole or in part, the expense incurred by the Company to establish, rearrange, provide, relocate, move or change equipment, facilities or records.

C. A service charge does not apply for the following:

1. The removal of service, equipment and/or facilities except as specified elsewhere in this tariff;

2. For work initiated by the Company for service reasons.

D. Other exceptions as may be specified elsewhere in this tariff.

2. Rates Application

Applicable rates and their application are given in Tariff CRTC 3001, Item 302. **(C)** **(D)**

3. Conditions

A. Service charges shall apply in addition to monthly rental and any construction or other charges applicable under this tariff.

B. The charges specified in Item 503.2 contemplate that the work shall be performed during the regular working hours of Company employees. If the applicant requests overtime labour or orders work to be done under conditions which involve unusual expense, an additional charge may be made based on the additional costs involved.

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Note: Item 503.3 moved to Page 110

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Item
503 SERVICE CHARGES (cont'd)

3. Conditions (cont'd)

C. When service has been disconnected on account of default on the part of the subscriber in making payment of any sum due to the Company or when service has been suspended on account of the subscriber failing to comply with the general rules and regulations of the Company governing the service furnished, a charge as specified in Item 503.2 for Order Processing and Line Connection shall be made for the restoration of service. Where service is subsequently terminated, regular service charges shall apply for re-establishment of such service. **(M)**

D. For temporarily disconnecting, removing and replacing wires, cables, poles and other fixtures, the subscriber may be required to pay a move charged based on the cost of labour and material used in such work.

E. For temporary installation of fixtures or equipment and subsequent dismantling and removal, the subscriber may be required to pay a charge based on the cost of labour and material used in such work.

F. No service charge will apply for a record change when the record change is done in connection with other work for which a service charge applies.

G. Provision of wire facilities that exceed one four conductor local drop will be considered on a special assembly basis.

(M) – Material formerly shown on Page 111.

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Item
601 SHORT TERM RURAL RADIO TELEPHONE SERVICE

Description

1. Short Term Rural Radio Telephone Service provides a means of telephone communication from a Company site to a remote site via a single channel UHF radio facilities.

2. (1) Short Term Rural Radio Telephone Service consists of a radio and antenna at the customer's location and access to radio facilities at a Company site; these facilities will be connected to the Company's Exchange facilities by a foreign Exchange line if required. C C

   (2) A High Power Option is also available to extend the range of the radio link.

3. Service will be provided on a contractual basis with a 30 day, 1 year or 3 year term.

Application

4. Repeaters are not included in the service and will be provided on a special assembly basis at the discretion of the Company.

Rates

5. Monthly charges for equipment, as per applicable contract period, are:

	Monthly Charges Contract Period		
	30 Day	1 Year	3 Year
(a) Remote site radio equipment and antenna and Company site equipment	$ 865.00	$ 615.00	$ 588.00
(b) Maintenance	135.00	106.00	103.00
(c) Maintenance for High Power Option	27.00	19.00	19.00

6. (1) Company engineers may specify the high power option during initial installation to ensure the quality of service is within Company guidelines.

   (2) This High Power Option requires a single payment by the customer of $4,426.00.

7. Terminal equipment and exchange access are provided at current tariff rates.

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Item
601 SHORT TERM RURAL RADIO TELEPHONE SERVICE (cont'd)

Services Charges

8. (1) Service charge applies for all shipping, transportation, travel time, labour and board/lodging expenses incurred during installation and upon termination for removal costs of the equipment at the remote customer location.

   (2) A service charge of $1,947.00 applies during installation for engineering and planning.

9. In addition to the monthly maintenance fee, the customer will be responsible for a maintenance charge consisting of the actual cost of all transportation, travel time and board/lodging incurred as a result of customer requested maintenance visits.

Conditions

10. Provision of this service is subject to:

    (a) Approval of frequencies by the Department of Communications;

    (b) The execution of a contract for service, including the customer's agreement to pay for the removal of the equipment at the termination of the contract;

    (c) Availability of equipment in the Company's inventory;

    (d) Technical feasibility and acceptable radio path profiles as determined by the Company;

    (e) a Company engineering assessment that, at the discretion of the Company, may require the high power option to ensure adequate service; and

    (f) provision by the customer at the remote location of housing, power and an antenna mount meeting Company specifications as determined by the Company.

11. Seasonal Disconnect rates are available for customers subscribing at contracted rates (one or three years). All conditions described in Suspension of Service, CRTC 3001, Items 902, 903 and 904 apply. Note: foreign Exchange charges are exempt from suspension of service discounts. C

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602 RESERVED FOR FUTURE USE. **D**

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Item
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SECTION VII – PRIVATE LINE TELEPHONE SERVICE

(D)

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PRIVATE LINE TELEPHONE SERVICE

Item 701 GENERAL

Full period private line telephone service provides for continuous telephone communication between terminals in *different cites*, such terminals not being connected to any general Exchange network. A multi-point private line is provided between three or more terminals located in two or more cities. The standard service offering provides simultaneous communications between one terminal in each of the cities between which the multi-point private line is provided. Simultaneous communication may be provided with more than one terminal in any of the cities on the basis of a special assembly of equipment except that this arrangement is restricted to one terminal in any Wire Centre area at one time. C C

Miscellaneous equipment is provided subject to the regulations and rates in this or other tariffs.

Item 702 CHANNELS

Private line channels are provided as follows:

A. Inter city, Item 202.D.

B. Local channel with inter city channels, Item 202.B

C. Local channel, Tariff CRTC 3001, Item 707.

Item 703 SIGNALLING

Selective signalling, switching and other special arrangements or equipment requested by the customer are provided when possible. The charge is based on the expense incurred.

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SECTION IX – SATELLITE SERVICE

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SECTION X – PROGRAM TRANSMISSION SERVICE

(D)

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PROGRAM TRANSMISSION SERVICE

Item 1001 GENERAL

A) Channels are leased for the transmission of sound for radio and television broadcasting, for reproduction by loudspeakers or recording by customer provided equipment.

B) Channels are leased for transmission in one direction only and are provided for full time or occasional use within Exchanges or Rate Centres of the Company and between such Exchanges and other Exchanges or Rate Centres of the Company or other companies in Canada. C

Item 1002 STATION EQUIPMENT

All station equipment and wiring other than equipment which the Company deems necessary for suitable termination of their facilities on the subscriber's premises are to be provided by the subscriber. Customer equipment attached to the Company's facilities must be in accordance with Northwestel's Connection of Customer-Provided Equipment tariff CRTC 3001, Items 1301, 1302 and 1303.

Item 1003 LOCAL CHANNELS

A) For full time use local channels including studio-to-transmitter, studio-to-service point, and telephone co-ordinating, channels, rates and conditions are in accordance with Item 202.B.2(b)1. Rates for occasional use local channels are one-third the monthly rate per day. Facilities consist of channels only. Terminal equipment and equalizing equipment are covered elsewhere in this tariff.

B) Rates for equipment to equalize local channels, are calculated monthly for full-time service and daily for occasional service subject to the availability of equipment and are in addition to channel rental charges and any other charges applicable.

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Item 1003 LOCAL CHANNELS (cont'd)

C) Equalization Equipment	Daily Rate	Monthly Rates 30 Day Monthly Rate	Monthly Rate 1 Year Term
Package #1. Tellabs 4008 amp, 248 RF case (shielded), 8015 power supply, 9026 jackfield (suitable for transmitter site termination)	$ 23.71	$ 77.51 A	$ 56.87
Package #2. Tellabs 4008 amp, 1913 NR case (unshielded), 1913L4 power supply, 9026 jackfield (suitable for non-transmitter site termination)	$ 17.18	$ 56.76 A	$ 41.26
Package #3. Tellabs 1913 NR case (unshielded),4424 repeat coil, 9026 jackfield (suitable for circuit origination)	$ 12.39	$ 37.20	$ 29.76

	Non-Recurring Charges
Package #1 Installation	$ 37.92
Package #2 Installation	$ 37.92
Package #3 Installation	$ 37.92
Frequency run, each *	$ 164.56

* when more than one amplifier/equalizer is utilized in a long local channel, a frequency run is required for each unit installed.

D) Specifications indicating the design limits of the model 4008 amplifier/equalizer are available from the Company at the request of the subscriber. The approximate frequency range is:

300 – 2,700 Hertz (suitable for speech transmission)
100 – 5,000 Hertz
80 – 8,000 Hertz
80 – 15,000 Hertz

Equalization requirements in excess of the design limits of the Model 4008 will be provided on a special assembly basis.

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Item
1003 LOCAL CHANNELS (cont'd)

E) Other terminal equipment and terminal equipment for telephone co-ordinating channels are normally provided by the customer to the Company's approval.

F) When a local channel is associated with an interexchange channel, the Company's Wire Centre is considered the service point on the local channel. C

Item
1005 CONDITIONS

A) A channel must not be connected with Exchange, message toll or private line telephone equipment or wiring, with a signal, video or wired music channel leased by the Company, with teletype equipment or wiring or with a channel of the customer. C

B) Station equipment and station wiring on the customer's premises are to be provided, installed, owned and maintained by the customer except when the Company agrees to provide certain equipment and wiring. The amplification by the customer of the program material transmitted over the Company facilities must not interfere with other services provided by the Company.

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Item
1005 CONDITIONS (cont'd)

C) The leasing of program transmission channels is subject to the availability of suitable facilities and to the requirements of the Company's Exchange, message toll and private line telephone services. When it is necessary to install special equipment or to incur any unusual expense in order to meet special requirements of a customer, an additional charge may be made based upon the equipment installed or other unusual expense incurred. C

D) The minimum contract period is as indicated in the rates for the facilities except when the cost of construction is such as to necessitate a longer contract period. In the latter case the Company may require execution of a contract with a minimum period greater than one month.

E) For multi-point extra-exchange service the mileage for all legs will be totalled. The initial quarter mile charge applies only once.

F) Multi-point interexchange channels will be rated on a leg-by-leg basis (shortest total routing) each leg being rated as a two-point channel. C

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SECTION XI – DATA NETWORK SERVICES

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Item
1110 V-CONNECT SERVICE

1. General

(a) V-Connect Service is a terrestrial Layer 3 IP-VPN WAN solution with Class of Service (CoS) options available in designated Company terrestrial Rate Centres.

(b) V-Connect Service will provide customers with point-to-multipoint Layer 3 connectivity between the Company's Rate Centres, and from the Company's Rate Centres to southern locations operated and managed by other telecommunications services providers (TSPs), through Network-to-Network Interconnection (NNI) arrangements.

(c) The customer must have a minimum of two sites in order to establish V-Connect Service. At each site, the customer must first subscribe a Basic CoS bandwidth, then they may purchase other CoS options. For each site, the customer can designate a portion of the Basic CoS bandwidth at either 64 kbps or 1Mbps increments as Enhanced CoS bandwidth, Premium CoS bandwidth and Platinum CoS bandwidth.

Note: CoS may be applied per Virtual Routing and Forwarding (VRF) instance or to the whole circuit. The aggregate of Enhanced, Premium and Platinum CoS bandwidth cannot exceed forty percent (40%) of the Basic CoS bandwidth per IP-VPN circuit.

(d) At each IP-VPN point of presence, the service is offered over one (1) 10/100/1000 Mbps physical Ethernet port at the demarcation point. The Maximum Transmission Unit (MTU) is 1,500 bytes. Additional Ethernet ports are available at the rates and charges shown in 1110.5.(d)(2). Each access link comes with one VRF and one VLAN. Additional VRF/VLAN are available at the rates and charges shown in 1110.5.(d)(1).

(e) For sites with bandwidth below ten (10) Mbps, the service supports up to five (5) VRF instances per IP-VPN site. For sites with bandwidth of between ten (10) Mbps and 49 Mbps, the service supports up to ten (10) VRF instances per IP-VPN site. For sites with bandwidth of 50 Mbps and above, the service supports up to 20 VRF instances per IP-VPN site. Each VRF is provisioned over a dedicated VLAN between the customer's premises and the Company's Rate Centre. The sum of routes from all VRF at each IP-VPN site cannot exceed 4,500.

(1) For sites with bandwidths of 50 Mbps or above, the one-time installation fee as set out in Item 1110.5.(a), (b), or (c), as applicable, shall apply if the Company needs to install or upgrade customer premises equipment to support the up to 20 VRF instances per IP-VPN site option.

2. Definitions

For the purpose of this tariff item:

(a) *Customer Equipment (CE)* is all equipment, software, inside wiring, or other devices that are owned, operated, and maintained by the customer and are not provided by the Company. The customer is responsible for maintaining CE in good working order to avoid network harm. The Company is not responsible for supplying, installing, or operating CE, including without limitation, the suitability of CE or compatibility of CE with any CPE or Services. The Company has no obligation to maintain, repair, or provide service or support for CE. N N

(b) *Company Provided Equipment (CPE)* refers to equipment, software, or other devices that are owned and supplied by the Company and located at the customer's premises to enable delivery of the Company's services. The Company is solely responsible for the installation, operation, and maintenance of the CPE as well as equipment in the serving Central Office. The customer is responsible for providing a suitable uninterruptible power supply for the CPE. N N M[1]

M[1] – Moved to Page 169.

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Item
1110 V-CONNECT SERVICE (continued)

2. Definitions (continued)

(c) *IP-VPN* refers to Internet Protocol Virtual Private Network. C M[1]

(d) *LAN* refers to Local Area Network. C M[1]

(e) *Port* refers to a customer-facing interface in the terminating equipment through which data is physically transmitted. C M[1] M[1]

(f) *Service Demarcation Point* is the customer-facing Ethernet port of the CPE at the customer's premises. N

(g) *Type A Community* refers to a community listed in Section 4 as Type A. C

(h) *Type B Community* refers to a community listed in Section 4 as Type B. C

(i) *Type C Community* refers to a community listed in Section 4 as Type C. C

(j) *VLAN* refers to a group of devices on one or more LAN that are configured (using management software) so that they can communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. C

(k) *VRF* refers to a Virtual Routing and Forwarding instance. C

(l) *WAN* refers to a Wide Area Network. C

3. Terms and Conditions

(a) Reserved for future use. D

(b) On private property, the customer is responsible to provide a suitable aerial, underground or conduit route to the service demarcation point. The customer shall also be responsible for the extension of the service to other points within the same building. Company employees must have reasonably prompt access to the CPE for repair or regular maintenance. C C

(c) Reserved for future use. D

(d) The customer is responsible for the selection, supply, installation, and maintenance of all CE necessary for the use in conjunction with V-Connect Service past the service demarcation point. C C

(e) V-Connect Service is only available in the Rate Centres listed in this Item. Service requests in other Company Rate Centres will be treated on a special assembly basis where suitable facilities exist.

(f) When it is necessary to obtain equipment and/or facilities from other TSPs to provide V-Connect Service, the Company will pass through the contracted terms, conditions, rates and charges imposed by other TSPs, plus reasonable mark-up, to the customer.

(g) The provision of the service and any bandwidth request in any Rate Centre is subject to the ability of the Company to satisfy existing transmission standards and the availability of a) suitable network capacity, b) connection equipment and c) facilities.

M[1] – Moved from Page 168.

For explanation of symbols see Page 1

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Item
1110 V-CONNECT SERVICE (continued)

3. Terms and Conditions (continued)

(h) The One-time Charge per Circuit applies where the demarcation point at the customer's premise is within 400 metres of the nearest Company network access point. Distances are measured in actual cable distance.

(1) If the customer's premise is further than 400 metres (cable length) from the nearest Company network access point, or when it is necessary to install special equipment, or to incur an unusual expense to establish a service connection, see CRTC 3001 Item 309 - Fibre Construction for Enterprise Services.

(i) Customer equipment attached to the Company's facilities must be in accordance with the Company's CRTC 3001 Item 1301 – General, Item 1302 – Service Charge and Item 1303 – Terminal Attachment Plan.

(j) In all Rate Centres, V-Connect Service is not assured if total cable distance exceeds 5,000 meters as measured via cable distance from the serving Central Office to the customer premises. It is at the sole discretion of the Company to offer the service outside the 5,000 meter limit. Additional distance charges will be applied in accordance with Item 1118.5.(g) - Ethernet Metropolitan Area Network (E-MAN) Service. C

(k) Reserved for future use.

(l) The service supports a maximum 4,500 routes per IP-VPN point of presence. Upon receiving a maximum-prefix alert message that the 4,500 routes threshold has been exceeded, the Company will notify the customer. If the customer does not reduce the number of routes to below the maximum within fifteen business days, the Company will suppress all specific routes and generate a default route for the customer.

(m) Month-to-month V-Connect Service may be terminated by the customer with 30 days' notice. For all other minimum contract periods (MCPs), in the event of termination by the customer of all or part of a V-Connect Service arrangement prior to the expiry of the MCP, the customer shall pay to the Company all charges due for services furnished to date plus a termination charge equal to 50% of the V-Connect Service charges applicable to the unexpired portion of the MCP.

(n) Termination charges as set out in 1110.3.(m) will be reduced or waived if the customer contracts for another V-Connect Service as follows:

(1) 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; or

(2) If the committed revenues under the new contract(s) are less than those remaining under the original contract(s), a termination charge of one half of the difference between the two amounts applies.

(o) After the expiry of the initial term, the Company shall continue to provide V-Connect Service on a month-to-month basis at the current month-to-month rate. After the expiry of the initial term, the Company or the customer may terminate V-Connect Service by giving 30 days' written notice to the other.

(p) If the CRTC forbears from regulation of V-Connect Service or a portion of V-Connect Service, and if the customer has non-contracted V-Connect Service, the Company may cancel the service by giving 30 days' notice for the forborne element(s). If the customer is on any other MCP then the terms and conditions of that MCP apply to the end of the MCP.

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Item
1110 V-CONNECT SERVICE (continued)

4. Service Availability

V-Connect Service is offered in the following Company Rate Centres:

Community Type	Rate Centre	Province/Territory
A	Fort Nelson	BC
	Hay River	NT
	Whitehorse	YT
	Yellowknife	NT
B	Atlin	BC
	Beaver Creek	YT
	Behchoko	NT
	Blueberry	BC
	Burwash Landing	YT
	Carcross	YT
	Carmacks	YT
	Dawson City	YT
	Destruction Bay	YT
	Dettah	NT
	Enterprise	NT
	Faro	YT
	Fort Good Hope	NT
	Fort Liard	NT
	Fort McPherson	NT
	Fort Providence	NT
	Fort Resolution	NT
	Fort Simpson	NT
	Fort Smith	NT
	Haines Junction	YT
	Inuvik	NT
	Jean Marie River	NT
	Kakisa	NT
	Lower Post	BC
	Mould Creek	BC
	Mayo	YT
	Muncho Lake	BC
	Norman Wells	NT
	Pelly Crossing	YT
	Prophet River	BC
	Ross River	YT
	Swift River	YT
	Tagish	YT
	Teslin	YT
	Toad River	BC
	Tsiigehtchic	NT
	Tulita	NT
	Tuktoyaktuk	NT N
	Watson Lake	YT
	Whatì	NT
	Wonowon	BC
	Wrigley	NT

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Item
1110 V-CONNECT SERVICE (continued)

4. Service Availability (continued)

V-Connect Service is offered in the following Company Rate Centres: (continued)

Community Type	Rate Centre	Province/Territory
C	Aklavik	NT
	Dease Lake	BC
	Deline	NT
	Good Hope Lake	BC
	Iskut	BC
	Judas Creek*	YT
	Nahanni Butte	NT
	Telegraph Creek	BC

D

* Transport networks to these Rate Centres are provided over low capacity microwave radio systems. High-speed options may not be available at the time of the service request.

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Item

1110 V-CONNECT SERVICE (continued) C

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Item
1110 V-CONNECT SERVICE (continued)

5. Service Bandwidth Options and Rates

The customer shall pay the following rates and charges associated with V-Connect Service. Rates and charges for other services purchased in conjunction with V-Connect Service are in addition to these rates and charges.

(a) Type A Communities.

	Monthly Rate, per circuit			
Basic CoS Bandwidth	Month-to-month	1-Year Term	3-Year Term	Initial Service Charge, per Circuit
128kbps	$ 1,539.43 A	$ 1,385.49 A	$ 1,231.54 A	$ 9,240.00
256kbps	1,564.73 |	1,408.26 |	1,251.78 |	9,240.00
512kbps	1,749.88 |	1,574.89 |	1,399.90 |	9,240.00
768kbps	2,112.35 |	1,901.11 |	1,689.88 |	9,240.00
1.5Mbps	3,137.40 |	2,823.66 |	2,509.92 |	9,240.00
3Mbps	5,787.65 |	5,208.88 |	4,630.12 |	9,240.00
5Mbps	8,379.43 A	7,541.49 |	6,703.55 A	9,240.00
10Mbps	11,492.91	10,343.62 A	9,194.33	9,240.00
20Mbps	11,563.33	10,407.00	9,250.66	9,817.50
30Mbps	11,611.36	10,450.22	9,289.09	9,817.50
40Mbps	11,634.92	10,471.43	9,307.94	9,817.50
50Mbps	11,662.98	10,496.68	9,330.38	9,817.50
60Mbps	13,660.42	12,294.40	10,928.34 A	9,817.50
80Mbps	13,787.92	12,409.13	11,030.34	9,817.50
100Mbps	17,064.63	15,358.17	13,651.70	9,817.50
150Mbps	21,238.76	19,114.88	16,991.01 A	9,817.50
200Mbps	28,030.38	25,227.34	22,424.30	9,817.50
300Mbps	30,575.66	27,518.09	24,460.53 A	9,817.50
400Mbps	30,777.28	27,699.56	24,621.84	9,817.50
500 Mbps	31,347.14	28,212.43 A	25,077.71	9,817.50
1,000 Mbps	56,171.27 R	50,554.17 R	44,937.02 R	9,817.50

Other CoS Bandwidth	Monthly Rate (All Contract Terms)	One-Time Charge
Per 64kbps Enhanced CoS	$ 24.58 A	$ 242.00
Per 64kbps Premium CoS	38.41 |	242.00
Per 64kbps Platinum CoS	47.64 |	242.00
Per 1Mbps Enhanced CoS	235.18 |	242.00
Per 1Mbps Premium CoS	413.07 |	242.00
Per 1Mbps Platinum CoS	517.40 A	242.00

For explanation of symbols see Page 1

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1110 V-CONNECT SERVICE

5. Service Bandwidth Options and Rates (continued)

(b) Type B Communities.

Basic CoS Bandwidth	Monthly Rate, per circuit: Month-to-month	1-Year Term	3-Year Term	Initial Service Charge, per Circuit
128kbps	$ 1,636.88 A	$ 1,473.19 A	$ 1,309.49 A	$ 9,240.00
256kbps	1,742.06	1,567.85	1,393.65	9,240.00
512kbps	1,948.69	1,753.82	1,558.95	9,240.00
768kbps	2,638.50	$2,374.65	2,110.80	9,240.00
1.5Mbps	3,361.46	3,025.31	2,689.17	9,240.00
3Mbps	6,661.09	$5,994.98	5,328.87	9,240.00
5Mbps	11,012.31	9,911.08	$ 8,809.85	9,240.00
10Mbps	21,923.73	19,731.36	17,538.99	9,240.00
15Mbps	21,925.56 A	19,733.00 A	17,540.45 A	9,817.50
20Mbps	22,954.28	20,658.85	18,363.42	9,817.50
30Mbps	31,005.37	27,904.83	24,804.30	9,817.50
40Mbps	31,162.11	28,045.90	24,929.69	9,817.50
50Mbps	31,414.75	28,273.27	25,131.80	9,817.50
60Mbps	31,632.41	28,469.17	25,305.93	9,817.50
80Mbps	31,668.86	28,501.97	25,335.09	9,817.50
100Mbps	33,464.98	30,118.48	26,771.98	9,817.50

Other CoS Bandwidth	Monthly Rate (All Contract Terms)	One-time Charge
Per 64kbps Enhanced CoS	$ 24.58 A	$ 242.00
Per 64kbps Premium CoS	38.41	242.00
Per 64kbps Platinum CoS	47.64	242.00
Per 1Mbps Enhanced CoS	235.18	242.00
Per 1Mbps Premium CoS	413.07	242.00
Per 1Mbps Platinum CoS	517.40 A	242.00

For explanation of symbols see Page 1

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Item
1110 V-CONNECT SERVICE (continued)

5. Service Bandwidth Options and Rates (continued)

(c) Type C Communities.

Basic CoS Bandwidth	Monthly Rate, per circuit: Month-to-month		Monthly Rate, per circuit: 1-Year Term		Monthly Rate, per circuit: 3-Year Term		Initial Service Charge, per circuit
128kbps	$ 2,320.84	A	$ 2,088.76	A	$ 1,856.67	A	$ 9,240.00
256kbps	2,467.00		2,220.30		1,973.60		9,240.00
512kbps	2,759.32		2,483.39		2,207.46		9,240.00
768kbps	3,141.24		2,827.12		2,512.99		9,240.00
1.5Mbps	5,647.33		5,082.60		4,517.86		9,240.00
3Mbps	11,197.39		10,077.65		8,957.91		9,240.00
5Mbps	12,777.28		11,499.55		10,221.82		9,240.00
10Mbps	25,528.17		22,975.35		20,422.54		9,240.00
20Mbps	25,611.84	A	23,050.67	A	20,489.48	A	9,817.50
30Mbps	33,798.74		30,418.87		27,038.99		9,817.50
40Mbps	44,677.84		40,210.06		35,742.27		9,817.50
50Mbps	49,999.41	R	44,999.47	R	39,999.53	R	9,817.50

Other CoS Bandwidth	Monthly Rate (All Contract Terms)		One-Time Charge
Per 64kbps Enhanced CoS	$ 24.58	A	$ 242.00
Per 64kbps Premium CoS	38.41		242.00
Per 64kbps Platinum CoS	47.64		242.00
Per 1Mbps Enhanced CoS	235.18		242.00
Per 1Mbps Premium CoS	413.07		242.00
Per 1Mbps Platinum CoS	517.40	A	242.00

For explanation of symbols see Page 1

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Item
1110 V-CONNECT SERVICE (continued)

5. Service Bandwidth Options and Rates (continued)

(d) Optional Services

(1) Additional VRF/VLAN:

a.	Monthly Rate	$ 207.90 per VRF/VLAN
b.	One-time Service Charge	$ 550.00 per VRF/VLAN
c.	One-time charge for changing VRF/VLAN	$ 200.00 per VRF/VLAN N

(2) Additional Ethernet port:

a.	Monthly Rate	n/a
b.	One-time Service Charge	$ 852.50 per port

D

(e) Volume Discount Plan (VDP):

(1) The VDP allows the customer to contract for a Minimum Monthly Billing Commitment (MMBC) for V-Connect Service in return for a discount.

(2) Terms and Conditions:
a. The customer must expressly indicate their desire to participate in the VDP program with its associated MMBC to be eligible for the VDP and before receiving any associated discounts. The term of the VDP contract is 1-year and that term may differ from the MCPs of eligible Basic CoS. The customer must maintain a MMBC of $500,000.00 in order to be eligible for VDP discounts.
b. If the customer fails to meet the MMBC for any given month of the VDP contract period, the customer will be billed the full MMBC, less the applicable VDP.
c. After the expiry of the VDP contract, if the customer does not sign a subsequent VDP contract, the rates for Basic CoS will revert to those as shown in 1110.5.(a),(b) and/or (c), as applicable for the Basic CoS bandwidth MCP.

(3) Rate Elements which are eligible for calculating the MMBC are the total monthly recurring charges associated with:
a. Monthly recurring charges of Basic CoS bandwidth from Type A, B and C communities, at the appropriate MCP or month-to-month rate, plus
b. Monthly recurring charges of Enhanced, Premium and Platinum CoS bandwidth from all community types, plus
c. Monthly recurring charges from a V-Connect Special Facilities Tariff.

(4) Only monthly recurring charges for Basic CoS bandwidth in Type A, B and C communities under this Item are eligible for the discount pursuant to the VDP.
a. In lieu of the 1- and/or 3-year MCP rates as shown in 1110.5.(a),(b) and/or (c), the applicable VDP monthly rate is as follows:
i. For circuits on a 1-year MCP, the applicable VDP rate is the month-to-month recurring charge for that Basic CoS bandwidth less 15%; and
ii. For circuits on a 3-year MCP, the applicable VDP rate is the month-to-month recurring charge for that Basic CoS bandwidth less 25%.

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Item
1110 V-CONNECT SERVICE (continued)

5. Service Bandwidth Options and Rates (continued)

(f) Bandwidth Change Service Charges

Service Item	Service Charge (Note)
Basic CoS bandwidth change within 128kbps to 49Mbps range, per site, per service order	$ 254.10
Basic CoS bandwidth change within 50Mbps to 999Mbps range, per site, per service order	254.10
Basic CoS bandwidth change within 1000Mbps and above range, per site, per service order	254.10
Other CoS bandwidth change (64kbps and/or 1Mbps increment) per site, per service order	254.10

Note: Basic CoS bandwidth changes either within one range or between one range to another that require the installation of a new CPE are considered new installations with applicable monthly and service charges. Speed downgrades, even between one range and another, will be charged the $254.10 service charge. A

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Item
1110 V-CONNECT SERVICE (continued) C

6. Service Level Agreement (SLA) C

(a) Definitions C

(1) *Force Majeure* means in a month where failure to meet the quality of service standard is caused, in that month, by fire, acts of God, labour disruptions (such as work stoppages, strikes, lockouts and similar labour disruption events), default or failure of another carrier, epidemics, war, civil commotions including acts of terrorism, acts of public authorities or other events beyond the reasonable control of the Company. C

(2) *Service Availability* is a percentage computed as follows: C
The number of hours in the particular month MINUS the sum of the number of Excusable Downtime hours PLUS the number of downtime hours other than Excusable Downtime hours or fraction of an hour TIMES 100, DIVIDED BY the number of hours in a particular month MINUS the number of Excusable Downtime hours.

In Formula form:

Service Availability = [(days in a month) X (24 hours) – (Excusable Downtime hours + downtime hours other than Excusable Downtime hours)] X 100 ÷ [(days in a month) X (24 hours) – (Excusable Downtime hours)]

(3) *Excusable Downtime* refers to the items listed under Section 6.(c)(4)b. to f. inclusive. C

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Item
1110 V-CONNECT SERVICE (continued) C

6. Service Level Agreement (SLA) (continued) C

(b) SLA Targets C

(1) SLA Targets for V-Connect Service in All Communities: C

Metric	Basic CoS Target C	Enhanced CoS Target C	Premium CoS Target C	Platinum CoS Target C
Service Availability	99.9%	99.9%	99.9%	99.9%
Packet Loss	N/A	<2%	<1%	<1%
Latency	N/A	<200ms	<150ms	<80ms
Jitter	N/A	<50ms	<25ms	<25ms

Note: SLA Targets are measured within the Company's Rate Centres. C

(c) SLA Credit Rules C

The SLA targets are measured based on an average over a calendar month. In the event that the customer notifies the Company of any failure to meet a SLA, the Company will investigate, analyse and communicate C to the customer the cause of the infraction. If it is a result of actions by the Company or the Company's C providers, the customer will receive:

(1) For Service Availability Targets: C
For the first failure to satisfy this SLA target at any site, the Company will provide the customer with a C credit equal to the percentage specified in the table below, of the total monthly Basic CoS bandwidth charge for that site. For the second and any subsequent failure at any site (only if occurring in the C months immediately following a month in which the first failure occurred), the Company will provide C the customer with a credit equal to the percentage specified in the table below, of the total monthly Basic CoS bandwidth charge for that site. In the event the Company satisfies the SLA in any month C subsequent to any of the failures described above, the penalty regime shall reset and any failure to satisfy the SLA after such month that the Company attains the SLA shall be deemed to be a "first C failure" as set out above.

(2) For Packet Loss, Latency and Jitter Targets: C
For the first failure to satisfy these SLA targets of Enhanced, Premium and Platinum CoS bandwidth at a site, the Company will provide the customer with a credit equal to the percentage specified in the table below of each affected CoS bandwidth monthly charge payable for that site. For a second and any C subsequent failure at that site (only if occurring in the months immediately following a month in which the first failure occurred), the Company will provide the customer with a credit equal to the percentage C specified in the table below of each affected CoS monthly charge payable for that site. In the event the Company satisfies the SLA in any month subsequent to any of the failures described above, the penalty regime shall reset and any failure to satisfy the SLA after such month that the Company attains the SLA C shall be deemed to be a "first failure" as set out above.

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Item
1110 V-CONNECT SERVICE (continued) C

6. Service Level Agreement (SLA) (continued) C

(c) SLA Credit Rules (continued) C

(3) SLA Credit Table: C

	All Community Types C
First Failure	10%
Second/Subsequent Failure	25%

(4) Exceptions: C

a. Any change to the service will disrupt reporting and invalidate current month SLA targets; C
b. The scheduled and unscheduled maintenance window during which the Company may perform maintenance on the network; C
c. Downtime caused by an event of Force Majeure. The party claiming relief under the Force Majeure clause shall use all reasonable efforts to remedy the situation and remove, so far as possible and with reasonable dispatch, the cause of its inability to perform, provided that there shall be no obligation on the party so affected to settle labour disputes or test or to refrain from testing the validity of any order, regulation or law in any court having jurisdiction; C
d. Downtime that results from any actions or omissions of the customer or customer's end-users of V-Connect Service or other third parties (except such third parties for which the Company is responsible under the terms and conditions of this Item); C
e. Downtime that results from non-Company equipment or equipment and software of third parties except where the Company has installed such non-Company equipment, equipment and software;
f. Downtime where the Company is not provided with reasonably prompt access to the customer's site to address the trouble. C

(d) SLA Monitoring and Reporting C

(1) The Company will provide a web-based portal for the customer to access SLA reports. C

(2) The customer is solely responsible for access to and use of the web portal by any of its employees, officers, directors, agents and any other user of V-Connect Service and web portal (collectively, the "Users"). C C

(3) The customer agrees to comply with and to ensure that the Users comply with the following terms and conditions associated with the use of V-Connect Service and web portal: C C

a. When providing contact information for the web portal, the customer shall provide accurate and complete information and agrees to update promptly such information as necessary to ensure that contact information is kept accurate and complete. C

b. The customer shall: C
i. maintain the confidentiality of all passwords and/or other account identifiers that it chooses or is assigned and C
ii. be responsible for all activities that occur under such passwords and/or account(s). Further, the customer agrees to notify the Company of any unauthorized use of its passwords and/or account(s). The Company will not assume any responsibility for acts or omissions of customers or end-users. C C

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Item
1111 DIGITAL PRIVATE LINE SERVICES – DIGITAL NETWORK ACCESS

1. General

(a) Digital Network Access (DNA) provides for:

(1) the digital transmission of information at speeds of less than 1.544 Mbps (DS-1) from a customer's premises to a suitable Wire Centre for connection to Digital Private Line Service Extension Features (Item 1115); or

(2) the digital transmission of information at speeds of 1.544 Mbps from a customer's premises to the Wire Centre for connection to Interexchange Digital Channels (Item 1112).

2. Definitions

(a) "Access" provides the customer with a digital access facility to connect the customer's station equipment to the Serving Central Office. The customer's premises must be located within the Base Rate Area of the Serving Central Office.

(b) "Intraexchange Channel" provides the digital channel facility between the Rate Centre and the Wire Centre in the same Exchange Area whenever the service application requires one. C

(c) "Link" provides the Central Office equipment required to connect:

(1) an Access to an Interexchange Channel;

(2) an Access to the Company network service at the Rate Centre; and

(3) an Intraexchange Channel to a network service at the Rate Centre. C

(d) "Rate Centre" A designated Wire Centre within an Exchange used for determining local, interexchange and foreign-exchange distance charges. An Exchange may have one or more Wire Centres but only one Wire Centre in an Exchange is designated as the Rate Centre. For this Item, the Rate Centre is the Wire Centre from which distances are measured for the calculation of charges based on the Company Interexchange Digital Private Line Network Service Channel Charges (Item 1112).

(e) "Serving Central Office" is the first Central Office that connects a customer to Digital Private Line Service Extension Features or Interexchange Network Service Channel Charges.

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Item
1111 DIGITAL PRIVATE LINE SERVICES - DIGITAL NETWORK ACCESS (continued)

3. Rates and Charges

(a) Digital Private Line DS-0 Access Channel or less than DS-1 Access Channel; per customer premise location

Service Item	Monthly Rate	Service Charge
Access, per circuit per customer premise location	$ 83.40 A	$ 383.50 A
Link, per Serving Central Office and/or Rate Centre per circuit	$ 93.58 |	N/A
Intraexchange Channel, per circuit	$ 27.83 A	N/A
Change of operating speed, per Access per customer location	N/A	$ 195.39 A

(b) Digital Private Line DS-1 Access Channel; per customer premise location

(1) Contracted Rates

Service Item	Monthly Rate Minimum Contract Period (Note 1)					Service Charge (Note 2)
	1 Year	2 Year	3 Year	4 Year	5 Year	
Initial 4 Access Channels, each	$ 748.72 A	$ 721.36 A	$ 694.01 A	$ 666.65 A	$ 646.14 A	$ 961.01 A

Note 1: Digital Private Line DS-1 Access Channels are only available subject to the availability of suitable facilities and equipment. Construction charges will apply for the installation of facilities required to comply with a customer's request for service.

Note 2: Outside a Base Rate Area, a Special Assembly DS-1 Access Channel monthly rate applies, in addition to the monthly rates and service charges shown in this Item, for that portion of the facility provided outside the Base Rate Area for each DS-1 channel. Digital Private Line DS-1 Access Channels are provided to customers located outside a Base Rate Area on a special assembly basis only, subject to the availability of suitable facilities and equipment.

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Item
1111. DIGITAL PRIVATE LINE SERVICES - DIGITAL NETWORK ACCESS (continued)

3. **Rates and Charges** (continued)

(b) Digital Private Line DS-1 Access Channel; per customer premise location (continued)

(2) Non-Contracted Rates

Service Item	Monthly Rate (Note 1)	Service Charge (Note 2)
Initial 4 Access Channels, non-contracted, each (Note 3)	$ 910.33	$ 1,962.21

Note 1: Digital Private Line DS-1 Access Channels are only available subject to the availability of facilities and equipment. Construction charges will apply for the installation of facilities required to comply with a customer's request for service.

Note 2: For outside a Base Rate Area, a Special Assembly DS-1 Access Channel monthly rate applies, in addition to the monthly rates and service charges shown in this Item, for that portion of the facility provided outside the Base Rate Area for each DS-1 channel. Digital Private Line DS-1 Access Channels are provided to customers located outside a Base Rate Area on a special assembly basis, subject to the availability of suitable facilities and equipment.

Note 3: For over 4 Access Channels, Special Assembly DS-1 Access Rates will apply in addition to monthly rates and service charges shown above.

(c) Local Access Link Charge, each Serving Central Office or Rate Centre, per Access Channel:

Service Item	Monthly Rate	Service Charge
DS-1 Local Access Link, each Serving Office or Rate Centre	$ 93.58 A	N/A

(d) Channelizing Charges, each Rate Centre:

A feature charge applied when a DS-1 Access or Channel is connected to a DS-0 Interexchange Channel or Off-Net Extension.

Service Item	Monthly Rate	Service Charge
Channelizing Charge, each Rate Centre	$ 126.11	$ 159.78

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Item
1111 DIGITAL PRIVATE LINE SERVICES - DIGITAL NETWORK ACCESS (continued)

3. Rates and Charges (continued)

(e) Intraexchange Channel Facilities:

DS-0 or DS-1 facilities provided to connect the Rate Centre to the Wire Centre serving the customer location within the same Exchange Area.

Service Item	Monthly Rate	Service Charge
DS-0 Intraexchange Channel	$ 27.83 **A**	N/A
DS-1 Intraexchange Channel	$ 353.48	N/A

4. Terms and Conditions

(a) Digital Network Access is available from the Company's Central Offices, and is provided subject to the availability of suitable equipment and facilities.

(b) The Company shall determine the Central Office from which Digital Network Access shall be provided.

(c) The provision of Digital Network Access is subject to the ability of the Company and the customer to satisfy existing transmission standards. Digital Network Access will be provisioned within its operating limitations and equipment capabilities.

(d) When it is necessary for the Company to install special equipment or to incur an unusual expense to establish Digital Network Access, the customer shall pay an additional charge based on the equipment and/or the unusual expense incurred, as set out in General Tariff CRTC 3001 – Item 306 – Construction Charges.

(e) Digital Network Access may be connected to either customer or Company-provided station equipment located at the customer's premises.

(f) The customer is solely responsible for the installation, operation and maintenance of customer-provided station equipment.

(g) Customer station equipment attached to the Company's network must be in accordance with CRTC 3001 Connection of Customer-Provided Equipment - Items 1301, 1302 and 1303.

(h) Digital Network Access service provides access from customer premises located within the Base Rate Area. For service outside of the Base Rate Area, special assembly rates and charges apply in addition to the rates and charges in this Item.

(i) Conditions of service stated in Digital Private Line Extension Access Service (Item 1114) and Digital Private Line Service Extension Features (Item 1115) shall apply in addition to this Item, where applicable.

(j) Digital Network Access is not eligible for discounts offered pursuant to Item 1117 - Digital Private Line North Customer Volume Pricing Plan.

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Item
1112 DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Digital Private Line Service)

A. Service Description:

Digital Private Line Service provides for the digital transmission of information at 64 Kbps (DS-0) and 1.536 Mbps (DS-1) between two Rate Centres; or in multiples of 64 Kbps between Rate Centres.

B. Definitions:

For the purpose of this Item, Digital Private Line Service shall be comprised of the following elements:

1. "Access" provides the customer with a jack ended DS-0 or DS-1 interface and digital loop between the serving Central Office and the Customer's location per Tariff CRTC 3003, Item 1111.

2. "Channelizing" is a feature available at the Rate Centre, which provides for an Access channel to be connected to Interexchange DS-0 channels or an Off-net Extension.

3. "Cross Section" refers to the Company DS-0 facilities furnished between the Company's Central Offices, between a Company Central Office and a Central Office of another telephone company. C C

4. "DS-0" is a single channel provided between Rate Centres capable of digital transmission at a nominal 64 Kbps rate.

5. ADS-1" is a channel with a digital line rate of 1.544 Mbps capable of nominal 1.536 Mbps throughput.

6. "Link" refers to the Central Office equipment required to connect an Access to another Access in the same Central Office, to connect an Access to a Local Intraexchange Channel, or to connect an Access to another service provided by Northwestel.

7. "Local Intraexchange Channel" refers to the 1.544 Mbps (DS-1) or 64 Kbps (DS-0) facilities required to interconnect Accesses when they are in different Central Offices or Rate Centres.

8. "Service Extensions" refers to the equipment in the Central Office, which permits the extension of Digital Private Line Service to other Customer Service locations within the Local Calling Area, or to locations outside the Local Calling Area, at speeds of less than 1.544 Mbps.

9. "Station" is the multiplexer or terminal equipment provided on the Customer's side of the Network Interface Demarcation Point. Extension of service beyond the Network Interface Demarcation Point may require additional equipment or facilities.

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Item
1112 DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Digital Private Line Service) (continued)

C. Rates

1. Network Connection charge, each Rate Centre:

   Now included in Item 1112.C.3(a).

2. Interexchange Network Channel Charges:

   a. Interexchange Network Channel Charges provide for a DS-0 (64 kbps) or DS-1 between:
      - Rate Centres;
      - A Rate Centre and a point of interconnection with another Carrier.

   b. Interexchange Network Service Channel Charge distances are determined by the V & H Method of Calculation (Item 303 Item 202.D.1.)

   c. The Interexchange Network Channel Charges are determined by multiplying the total mileage by the charge per mile rate per leg for the appropriate distance band and adding the base charge to that band.

3. Interexchange Network Service Channel Charges:

   a. Interexchange Network Service Channel Charges: DS-0 Rates
   Note: Rates include the Network Connection Charge.

	Monthly Rate		
Rate Band Mileage Distance (Miles)	Base Charge	Rate per Mile	Service Charge (Note 1)
0 – 25	$0.00	$ 20.23 A	$ 120.35
26 – 50	$ 256.86 A	$ 9.73	$ 120.35
51 – 100	$ 414.31	$ 6.80	$ 120.35
101 – 200	$ 704.39	$ 4.04	$ 120.35
201 – 500	$ 1,104.66	$ 2.04	$ 120.35
501 – 1,000	$ 1,474.43	$ 1.30	$ 120.35
Over 1,000	$ 2,380.19 A	$ 0.39 A	$ 120.35

Note 1: The service charges are those that were previously associated with the network connection charges. They apply to the discrete channels, not to the occupied capacity used for rating purposes.

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Item
1112 DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Digital Private Line Service)

C. Rates (continued)

3. Interexchange Network Service Channel Charges: (continued)

b. Interexchange Network Service Channel Charges: DS-1 Rates

	Monthly Rate		
Rate Band Mileage Distance (Miles)	Base Charge	Rate per Mile	Service Charge (Note 1)
0 – 25	$0.00	$ 261.29 A	$ 1,576.27
26 – 50	$ 3,733.07 A	$ 130.60 A	$ 1,576.27
51 – 100	$ 5,820.19	$ 90.73	$ 1,576.27
101 – 200	$ 9,573.06	$ 53.28	$ 1,576.27
201 – 500	$ 15,271.48	$ 25.13 R	$ 1,576.27
501 – 1,000	$ 19,236.08	$ 17.41 R	$ 1,576.27
Over 1,000	$ 31,442.42 A	$ 5.33 A	$ 1,576.27

Also Note: Rates include the Network Connection Charge.

Note 1: The service charges are those that were previously associated with the network connection charges. They apply to the discrete channels, not to the occupied capacity used for rating purposes.

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Item
1112 DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Digital Private Line Service) (cont'd)

D. Conditions

1. The Company shall determine the Central Offices from where service shall be provided. Provision of service is subject to the ability of the Company and the Customer to satisfy existing transmission standards. The Service will be provisioned within its operating limitations and equipment capabilities. C C

2. Service shall be provided within and between Central Offices subject to the availability of suitable facilities. Multi-point and Multi-drop Feature configurations are available as provided for in Digital Private Line Extension Access Service (Item 1113).

3. Portions of Digital Private Line Service are offered on a one to five year minimum contract basis under the terms set out in the Digital Private Line Solutions Contract that specifies termination charges.

4. When it is necessary to install special equipment or to incur an unusual expense to establish Digital Private Line Service the Customer shall pay an additional charge based on the equipment install or the unusual expense incurred.

5. Digital Private Line Service may be connected to either Customer or the Company provided terminal equipment located at the Customer's premises. C

6. The Customer is solely responsible for the installation, operation and maintenance of Customer provided terminal equipment. The Customer's terminal equipment attached to the Company's network must be in accordance with Northwestel's Connection of Customer-Provided Equipment tariff CRTC 3001, Items 1301, 1302 and 1303. C

7. The Company will provide service to the Network Interface Demarcation Point located at the Customer's premises. The Customer shall be responsible for the extension of the service to other points within the same building. C

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service)

A. 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) and DS-1 from one Exchange Area to a Customer's location in another Exchange Area by means of Interexchange Facilities.

B. Definitions:

For the purposes of this Tariff Item Managed Digital Private Line Service shall be comprised of the following elements:

1. "Access" provides for a channel to connect to Customer-premises located Managed Digital Private Line Service station equipment to the Customer's serving Central Office. Either the DS-1 or DS-0 access channel provided by Digital Network Access (Tariff Item 1111) connects a Customer-premises located Managed Digital Private Line Service Terminating Equipment (MTE) to the Customer's serving Central Office. The DNA access provided connects a Customer-premises located FME or MTU to the Rate Centre. C

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

B. Definitions: (cont'd)

2. "Cross-Section" refers to the DS-0 or DS-1 facilities furnished between the Company's Central Offices, between a Company Central Office and a Central Office of another telephone company, or between a Company Central Office and an International Border Crossing point. C C

3. "DS-0" is a single Channel provided between Rate Centres capable of digital transmission at a 64 Kbps rate.

4. "DS-1" refers to the Channel Facilities connecting Customer service points between the Customer's premises and the Central Office, or a channel provided between Rate Centres capable of digital line rate of 1.544 Mbps, capable of nominal 1.536 Mbps throughput.

5. "Feeder Multiplexing Equipment" (FME) is equipment located at the Customer's premises that processes line signals onto a Digital Network Access (Tariff Item 1111).

6. "Interexchange Network Service" provides digital transmission in increments of DS-0 or DS-1 Channels between two Rate Centres by means of Interexchange Facilities (Tariff Item 1112 C.3.).

7. "Network Connection" refers to the Central Office equipment required to interconnect Accesses or Service Extensions with Managed Digital Private Line Interexchange Facilities (Tariff Item 1112 C.1.).

8. "Local Channel" refers to the DS-0 or DS-1 facilities used to connect the serving Customer's Central Office to the Managed Digital Private Line Rate Centre. C

9. "Managed Digital Private Line Circuit Termination" refers to the equipment at the Customer's premises or Central Office used to connect each circuit.

10. "Managed Digital Private Line Terminating Equipment" (MTE) provides the customer with a multiplexor interface to the Digital Private Line DS-1 access at the individual circuit level together with the ability to process line signals onto the high speed (1.544 Mbps) access channels.

11. "Managed Digital Private Line Terminating Equipment Circuit Expansion Unit" provides equipment at the Customer's premises to expand beyond the initial 64 circuits.

12. "Managed Digital Private Line Terminating Unit" (MTU) is equipment located at the Customer's premises that processes line signals onto a Digital Network Access (Tariff Item 1111). It has a capacity of up to 64 kbps per channel with dual channel operations and up to 128 kbps with single channel operation.

13. "Service Extension" refers to the equipment in the Central Office, which permits the extension of Managed Digital Private Line Service to other Customer service locations within the Local Calling Area.

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

C. Rates

The customer shall pay the following Managed Digital Private Line rates and charges for each appropriate Managed Digital Private Line Service item required to establish a Customer's network.

1. Station Shares for each Customer service location:

   a. Terminating Equipment:

Service Item	Monthly Rate		Service Charge
Managed Digital Private Line Terminating Equipment (MTE), each	$900.00	**(A)**	$1,300.00
MTE Expansion Unit (64 channels), each	$320.00	**(A)**	$300.00
Feeder Multiplexing Equipment (FME), each	$450.00	**(A)**	$650.00 (Note 1)
Managed Digital Private Line Terminating Unit (MTU), each	$ 50.00	**(A)**	$175.00 (Note 1)

Note 1: An Access Service charge as specified in Digital Network Access (Tariff Item 1111) shall apply whenever an FME is replaced by an MTU, or vice versa, due to the required reconfiguration of the Digital Network Access (Tariff Item 1111).

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

C. Rates

1. Station Shares for each Customer service location (cont'd)

b. FME/MTE/Circuit Terminations

Service Item	Monthly Rate	Service Charge
Analogue Termination, each circuit, each end	--	Note 1
- 4 wire E&M Signalling	$50.00 **(A)**	Note 1
- Low Bit Rate Voice (LBRV 8/16 Kbps includes voice circuit conditioning)	$50.00 **(A)** (Note 4)	--
Digital Termination, each circuit, each end	--	Note 1
- Low Speed Port (RS-232)	$50.00 **(A)**	Note 1
- Synchronous Port (RS-422 & V.35)	$50.00 **(A)**	Note 1
- Dataphone Digital Service (DDS) compatible Port (RS-232, RS-422, V.35 & OCU)	$50.00 **(A)**	--
- High Speed Port (DS-1) Compression Module	$375.00 **(A)**	--
- Echo Cancellation, each high speed port	$375.00 **(A)**	Note 1
- Each DS-0 time slot activated	--	Notes 1 & 4
- Low Bit Rate Voice (LBRV 8/16 Kbps) – digital each DS-0 time slot activated	$50.00 **(A)** (Note 4)	Notes 1 & 3
- MTU Ports	$50.00 **(A)**	Note 1
- Enhanced Data Feature No. 1 (Note 5)	$375.00 **(A)**	Note 1
- Enhanced Data Feature No. 2 (Note 5)	$625.00 **(A)**	--

c. MTU Terminations – each circuit

Service Item	Monthly Rate	Service Charge
RS-232, RS-422, V.35, each	$40.00 **(A)**	Notes 1, 2 & 3

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

C. Rates

1. Station Shares for each Customer service location (cont'd)

c. MTU Terminations – each circuit (cont'd)

Note 1: The Customer shall pay a service charge per service order of $700.00 for each of the first five (5) circuits installed at each Customer service location. A service charge of $100.00 applies for each additional circuit installed. Service charges apply for the installation of analogue and digital termination (i.e. MTE, and Enhanced Service Extension Feature (ESEF) - Dedicated, Tariff Item), Shared Service Extension Terminations (ESEF) (Tariff Item), changes in port configuration, changes to channel grouping and other changes as required, at the Customer's premises or in the Central Offices.

Note 2: A service charge does not apply when installed at the same time as the MTU.

Note 3: Managed Digital Private Line 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 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: This feature shall be provided at the Company's discretion subject to the availability of suitable equipment. C

d. Data Connecting Cables, Customer premise only

Service Item (Note 1)	Service Charge
V35 MTE to DTE	$110.00
449 MTE to DTE	$35.00

Note 1: Provides for a standard length data connecting cable of 3 meters or 10 feet. Other lengths are furnished at charges established by the Company. C

e. Standby Power Supply

Service Item	Monthly Charge	Service Charge
Standby Power	$165.00	--

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Item
1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

C. Rates (cont'd)

2. Access and Local Link monthly rates and charges apply as contained in Tariff Item 1111 of the Digital Network Access section of this tariff.

3. Interexchange Link charges apply at each Rate Centre as contained in Tariff Item 1112 C.1.

4. Interexchange DS-0 Channel Charges apply as per Tariff Item 1112 C.3.a.

5. Interexchange DS-1 Channel Charges apply as per Tariff Item 1112 C.3.b.

D. Conditions

1. Provision of service is subject to the ability of the Company and the customer to satisfy existing transmission standards. The Service will be provisioned within its operating limitations and equipment capabilities. C

2. Service shall be provided within and between Central Offices subject to the availability of suitable facilities.

3. The Company shall determine the Central Offices from where service shall be provided. C

4. The Customer shall pay the appropriate Interexchange Link Charges per channel, pursuant to Tariff Item 1112 for all channels in service.

5. Multi-point and multi-drop Managed Digital Private Line Service configurations are available using Managed Digital Private Line Terminating Units.

6. Portions of Managed Digital Private Line Service are offered on a one to five year minimum contract period basis under the terms set out in the Digital Private Line Solutions contract that specifies the termination charges.

7. 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 or the unusual expense incurred.

8. Managed Digital Private Line Service may be connected (by way of Managed Digital Private Line Terminating Equipment) to either Customer or the Company provided terminal equipment located beyond the Managed Digital Private Line Terminating Equipment at the Customer's premises. C

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

10. Service Extension to the Customer's premises within the serviced Exchange, or interconnection to other services, may be provided via the Rate Centre served by Managed Digital Private Line Service. Service will be provided at the rates, charges and conditions of service as specified in this Tariff Item 1113 C.2.

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Item 1113 MANAGED DIGITAL PRIVATE LINE - TRANSMISSION SERVICE (Managed Digital Private Line Service) (cont'd)

D. Conditions (cont'd)

11. Dedicated MTE may only be located at the Customer's premises or at the Company's Central Office. C

12. Customer terminal equipment attached to the Company's network must be in accordance with Northwestel's Connection of Customer-Provided Equipment tariff CRTC 3001, Items 1301, 1302 and 1303. C

13. Managed Digital Private Line Service may be connected at the Customer's premises to other Company services, for use in conjunction with Digital Private Line Service Extensions Features, (Tariff Item 1115) subject to the rates, charges and condition of service as specified in this Tariff. C

14. Channel Facilities shall be required to accommodate such overheads as signalling and/or supervision over the Managed Digital Private Line Service.

15. For Interexchange Channel Facilities between a service point of the Company's territory and the United States, the distance charge is based on the measurement between Rate Centres and the applicable International Border Crossing which results in the lowest combined monthly charge. C

16. The FME and MTU may also be connected to Managed Digital Private Line Service station equipment located at the Customer's premises.

17. 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.

Item 1114 DIGITAL PRIVATE LINE EXTENSION ACCESS SERVICE

A. Description:

Digital Private Line Extension Access Service provides for a local extension connecting a Customer premise to Digital Private Line Service Extension Features (Item 1114), at speeds of less than 1.544 MBPS (DS-1) using a Digital Network Access (Item 1111).

B. Definitions

For the purposes of this Tariff Item:

1. "Access" provides the Customer with a digital access facility to connect a DSU to a Digital Private Line Service Extension Feature (Item 1115). The Customer's premises are located within the serving Exchange area of the Serving Central Office. C

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Item
1114 DIGITAL PRIVATE LINE EXTENSION ACCESS SERVICE (cont'd)

B. Definitions (cont'd)

2. "Data Serving Unit (DSU)" means a device, which provides the digital interface between Customer station equipment and the Access.

3. "Intraexchange Channel" provides the digital channel facility between the Customer's Serving Central Office and the Rate Centre in cases where the Serving Central Office is not the Rate Centre.

4. "Link" is the Central Office equipment, which connects a Customer's DSU to a Digital Private Line Basic or Enhanced Service Extension Feature (Item 1115).

5. "Rate Centre" is the Central Office from which distances are measured for the calculation of charges based on Digital Private Line DS0 Network Service Channel Charges (Item 1112.C.2).

6. "Serving Central Office" is the first Central Office that connects a Customer to the Digital Private Line Service Extension Features (Item 1115).

C. Rates:

Service Item	Monthly Rate	Service Charge
DSU, per service point	$ 58.69 A	$ 139.75 A
Access	Item 111.C	Item 1111.C
Link	Item 1111.C	Item 1111.C
Intraexchange Channel	Item 1111.C	Item 1111.C
Multi-point/Multi-drop Feature, per leg	$ 25.41 (Note 2)	(Note 1)

Note 1: Not Applicable.
Note 2: The charge shown applies in addition to the Digital Network Access Charges (Item 1111.C).

Item
1115 DIGITAL PRIVATE LINE SERVICE EXTENSION FEATURES

A. Description:

Digital Private Line Service Extension Features are provided at suitably equipped Rate Centres to connect Digital Private Line Central Office equipment with a Digital Network Access or with other services provided by the Company.

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Item
1115 DIGITAL PRIVATE LINE SERVICE EXTENSION FEATURES (cont'd)

B. Definitions:

For the purpose of this Tariff item:

1. "Drop-and-Insert" provides the ability to de-multiplex (or drop) sub-rated channels from a DS0 line and multiplex (or insert) sub-rated channels onto the same line.

2. "Digital Private Line Service Extension Feature" consists of:
   a. Basic Service Extension Feature (BSEF) is provided at the Company's Rate Centres to enable shared access to Multiplexing and DS1 channelizing equipment. It provides 64 Kbps Pulse Code Modulation (PCM) voice encoding, Dataphone Digital Service (dds) compatible data encoding in addition to Drop-and-Insert capabilities. The standard Dataphone Digital Service format also allows Sub Rate Digital multiplexing (SRDM) of 2.4 Kbps 4.8 Kbps and 9.6 Kbps circuits onto a single DS0 interexchange channel.
   b. Enhanced Service Extension Feature (ESEF) provides for dedicated or shared Central Office located Managed Digital Private Line Terminating Equipment.

C. Rates:

1. Basic Service Extension Features (BSEF)

   a. Circuit Termination

Service Item	Monthly Rate		Service Charge	
Circuit Termination Charge, each circuit, each Rate Centre	$ 118.77	A	$ 96.80	A

   b. Drop-and-Insert Feature

Service Items	Monthly Rate		Service Charge	
Drop-and-Insert Feature Charge, each DS-0, each Rate Centre	$ 110.00		$ 110.00	

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Item
1115 DIGITAL PRIVATE LINE SERVICE EXTENSION FEATURES (cont'd)

C. Rates: (cont'd)

2. Enhanced Service Extension Feature, each Rate Centre:

a. Dedicated Service Extension: (Notes 1 & 2)

Service Item	Monthly Rate	Service Charge
Service Extension Feature - Dedicated	$ 1,265.00 (x) A	--

Note 1: The Customer shall pay the rate and charge as shown in the following table, in addition to the monthly rates and service charges as specified in Managed Digital Private Line Service Tariff Item 1113.

Note 2: Dedicated Service Extension Feature is available subject to facilities.

(x) The monthly rate of $ 1,017.50 provides for space, light and power. The monthly rate includes Managed Digital Private Line Terminating Equipment expansion unit and termination charges. A

b. Shared Service Extension Feature:

Shared Service Extension Feature Terminations:

Service Item	Monthly Rate	Service Charge
Service Extension Termination-Shared, each circuit, each end	$ 137.50 A	Note 2
Low Bit Rate Voice (LBRV)(8/16kbps) each circuit, each end	$ 55.00 A (Note 2)	Notes 2 & 3

Note 1: Shared Service Extension is available subject to facilities.

Note 2: The Customer shall pay a service charge per service order of $ 770.00 for each of the first five (5) circuits installed at each Customer service location. A service charge of $ 110.00 applies for each additional circuit installed. A
Service charges apply for the installation of analogue and digital terminations (i.e. MTE, and Enhanced Service extension Feature (ESEF) - Dedicated, Shared Service Extension Terminations (ESEF), changes in port configuration, changes to channel grouping and other changes as required, at the Customer's premises or in Central Offices. A

Note 3: The monthly rate and service charge for Service Extension Termination - Shared also apply to this service item. The service charge does not apply to LBRV if the LBRV termination is installed at the same time as the ESEF circuit termination.

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Item
1115 DIGITAL PRIVATE LINE SERVICE EXTENSION FEATURES (cont'd)

D. Conditions:

1. The Company shall determine the Rate Centre location where Digital Private Line Service Extension features will be provided. C

2. Digital Private Line Service Extension Features shall be provided subject to the availability of suitable equipment and facilities.

3. For Digital Private Line Service Extension Feature the Customer shall pay a circuit termination charge for each circuit.

4. Digital Private Line Service Extension Features, at the distant end, may terminate on Customer or the Company provided multiplex equipment located on the Customer's premises, or on service extension equipment provided by the Company and located in the distant end Rate Centre. C C

5. Sub-Rate Digital multiplexing of similar and mixed sub-rate speeds is provided subject to the availability of suitable equipment and facilities.

6. Conditions of Service stated in Digital Private Line Service Extension Access Service (Item 1114) shall apply to this Item, where applicable.

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(C)

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Item
1117 DIGITAL PRIVATE LINE NORTH CUSTOMER VOLUME PRICING PLAN

1. General

(a) The Digital Private Line North Customer Volume Pricing Plan (CVPP) allows a customer to contract for a Minimum Monthly Billing Commitment (MMBC) for their services in return for a discount based on the contract term and the amount of the commitment. C

(b) CVPP discounts apply only to the monthly recurring charges for eligible Digital Private Line Service and Digital Private Line Service Extension Features where these charges are associated with an intra-company circuit. C

(c) Item 1111 - Digital Network Access and Item 1114 - Digital Private Line Service Extension Access Service are not eligible for a discount under the CVPP. C

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Item
1117 DIGITAL PRIVATE LINE NORTH CUSTOMER VOLUME PRICING PLAN (continued)

2. Rates and Charges

Services eligible for discounts under a CVPP contract are the monthly recurring charges associated with: C

a. Digital Private Line Service, CRTC 3003 Item 1112

b. Digital Private Line Service Extension Features, CRTC 3003 Item 1115

C

	CVPP Discount Schedule				
MMBC	**1 Year Term**	**2 Year Term**	**3 Year Term**	**4 Year Term**	**5 Year Term**
$1,000.00	4%	5%	6%	8%	10%
$5,000.00	5%	6%	8%	9%	11%
$10,000.00	6%	7%	9%	10%	12%
$15,000.00	7%	9%	10%	11%	13%
$20,000.00	8%	10%	11%	12%	14%
$25,000.00	9%	11%	12%	13%	15%
$50,000.00	10%	11%	13%	14%	16%
$75,000.00	11%	12%	13%	15%	17%
$100,000.00	12%	13%	18.5%	19.5%	22.5%
$200,000.00	14%	15%	19.5%	21.5%	23.5%
$500,000.00	16%	17%	21.5%	22.5%	26%

3. Terms and Conditions

(a) Services may be added to, or subtracted from the customer's network at any time within the contract term without penalty, provided that the MMBC is maintained.

(b) The actual billing in each month will be the sum of all the eligible charges less the appropriate discount. If the sum of all the eligible charges falls below the MMBC, the actual billing will be the MMBC less the appropriate discount.

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Item
1117 DIGITAL PRIVATE LINE NORTH CUSTOMER VOLUME PRICING PLAN (continued)

3. Terms and Conditions: (continued)

(c) The customer may commit to a higher MMBC during the contract term and obtain the increased CVPP discount for the remainder of the contract. C

(d) Should the Company alter the rates or policies for the eligible services such that the sum of all the customer's eligible charges falls below the contracted MMBC, the customer may decrease the MMBC to the next lower level without liability, with the same contract term.

(e) In the event of termination by the customer of the CVPP contract prior to the expiry of the term, the customer shall pay to the Company all charges due for services furnished to date plus a termination charge equal to 50% of the discounted MMBC for the unexpired portion of the contract payable in a single payment at the termination of the contract. C

(f) Termination charges as set out in above will be reduced or waived if the customer contracts for another Company service as follows:

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

(2) If the committed revenues under the new contract(s) are less than those remaining under the original contract, a termination charge of one half of the difference between the two amounts applies.

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE

1. Description

E-MAN Service provides local connection of multiple premises within the same metropolitan area for a same customer with end-to-end Ethernet standards over optical fibres or twisted copper pairs. E-MAN Service allows the customer to interconnect their local area networks within a metropolitan area.

E-MAN Service includes Company Provided Equipment (CPE) - See Item 1118.3 - Definitions. C

2. Availability

(a) E-MAN Service is offered at the speed of 10 Mbps in all of the following communities, and is also offered at speeds of 100 Mbps, 1000 Mbps and 10 Gbps (Band D only) subject to the availability of suitable facilities within these communities:

Rate Band	Community	Province/Territory
D	Whitehorse	YT
	Yellowknife	NT
H1	Aklavik	NT
	Atlin	BC
	Arctic Bay	NU
	Arviat	NU
	Baker Lake	NU
	Beaver Creek	YT
	Behchoko	NT
	Blueberry	BC
	Cambridge Bay	NU
	Carcross	YT
	Carmacks	YT
	Chesterfield Inlet	NU
	Clyde River	NU
	Colville Lake	NU
	Coral Harbour	NU
	Dawson City	YT
	Dease Lake	BC
	Deline	NT
	Destruction Bay	YT
	Enterprise	NT
	Faro	YT
	Fort Good Hope	NT
	Fort Liard	NT
	Fort McPherson	NT
	Fort Nelson	BC
	Fort Providence	NT
	Fort Resolution	NT
	Fort Simpson	NT
	Fort Smith	NT
	Gameti	NT
	Gjoa Haven	NU
	Grise Fiord	NU
	Good Hope Lake	BC

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

2. Availability (continued)

(a) E-MAN Service is offered at the speed of 10 Mbps in all of the following communities, and is also offered at speeds of 100 Mbps and 1000 Mbps subject to the availability of suitable facilities within these communities (continued):

Rate Band	Community	Province/Territory	
H1	Haines Junction	YT	
			D
	Hay River	NT	
	Igloolik	NU	
	Inuvik	NT	
	Iqaluit	NU	
	Iskut	BC	
	Jean Marie River	NT	
	Kakisa	NT	
	Kimmirut	NU	
	Kinngait (formerly Cape Dorset)	NU	**N**
	Kugaaruk	NU	
	Kugluktuk	NU	
	Lower Post	BC	
	Lutselk'e	NT	
	Mayo	YT	
	Mould Creek	BC	
	Muncho Lake	BC	
	Nahanni Butte	NT	
	Naujaat (formerly Repulse Bay)	NU	
	Norman Wells	NT	
	Old Crow	YT	
	Pangnirtung	NU	
	Paulatuk	NT	
	Pelly Bay	NT	
	Pelly Crossing	YT	
	Pond Inlet	NU	
	Prophet River	BC	
	Qikiqtarjuaq	NU	
	Rankin Inlet	NU	
	Resolute	NU	
	Ross River	YT	
	Sachs Harbor	NT	
	Sambaa K'e (formerly Trout Lake)	NT	
	Sanikiluaq	NU	
	Sanirajak (formerly Hall Beach)	NU	**N**
	Swift River	YT	

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued) N

2. Availability (continued) N

(a) E-MAN Service is offered at the speed of 10 Mbps in all of the following communities, and is also offered at speeds of 100 Mbps and 1000 Mbps subject to the availability of suitable facilities within these communities (continued): N | N

Rate Band	Community	Province/Territory	
H1	Tagish	YT	N
	Taloyoak	NU	M[2]
	Telegraph Creek	BC	|
	Teslin	YT	M[2]
	Toad River	BC	N
	Tsiigehtchic	NT	M[2]
	Tuktoyaktuk	NT	|
	Tulita	NT	|
	Ulukhaktok	NT	|
	Watson Lake	YT	|
	Wekweti	NT	|
	Whale Cove	NU	|
	Whati	NT	M[2]
	Wonowon	BC	N
	Wrigley	NT	M[2]

M[2] – Moved from Page 205.
For explanation of symbols see Page 1

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Item
1118 ETHERNET METROPOLIAN AREA NETWORK (E-MAN) SERVICE (continued)

2. Availability (continued)

(b) E-MAN Service may also be made available in other communities where suitable facilities exist. In the event that E-MAN Service is made available in other communities, the Company will provide E-MAN Service at the standard recurring charges shown in Item 1118.5; however, the one-time service charges for E-MAN Services in these communities will be based on the actual cost to provision the access facilities (including the terminating equipment at the customer demarcation point). The one-time charge in this situation is subject to a minimum fee $2,640.

(c) If additional equipment or facilities must be installed for the customer in order to provision E-MAN Service, additional charges may apply on a special assembly basis.

3. Definitions

(a) *Access* is the transmission facility connecting the serving Central Office up to and including CPE at the end user premises. C

(b) *Connection* provides the customer with a digital facility to connect the customer's premises to the serving Central Office.

(c) *Customer Equipment (CE)* is all equipment, software, inside wiring, or other devices that are owned, operated, and maintained by the customer and are not provided by the Company. The customer is responsible for maintaining CE in good working order to avoid network harm. The Company is not responsible for supplying, installing, or operating CE, including, without limitation, the suitability of CE or compatibility of CE with any CPE or Services. The Company has no obligation to maintain, repair, or provide service or support for CE. N N

(d) *Company Provided Equipment (CPE)* refers to equipment, software, or other devices that are owned and supplied by the Company and located at the customer's premises to enable delivery of the Company's services. The Company is solely responsible for the installation, operation and maintenance of the CPE as well as equipment in the serving Central Office. The customer is responsible for providing a suitable uninterruptible power supply for the CPE. N N

(e) *Demarcation Point* is the customer-facing Ethernet port of the CPE. C

(f) *LAN* is the Local Area Network. C

(g) *MAN* is the Metropolitan Area Network. C

(h) *Port* is a customer-facing interface in the CPE through which data is physically transmitted. C

(i) *Serving Central Office* is the Central Office (Wire Centre or Rate Centre) defined by the Company in each community to which an end-user's premises is connected by way of E-MAN Service. C

(j) *VLAN or Virtual Local Area Network* is a group of devices on one or more LANs that are configured using management software so that they can communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. Multiple VLANs on an Ethernet port can be called a VLAN Trunk. C

(k) *Ethernet Connecting Link* is a transmission path or fibre connection which interconnects the Company's E-MAN Service to another Company data service within the same Central Office where the E-MAN service is located. The transmission path is provisioned over a VLAN fibre loop that connects various Company equipment. C C

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

4. Terms and Conditions

(a) E-MAN Service will be provisioned within its operating limitations and equipment capabilities.

(b) On private property, the customer is responsible to provide a suitable aerial, underground or conduit route to the demarcation point.

(c) The Company will provide E-MAN Service to the demarcation point located at the customer's premises. The customer shall be responsible for the extension of the service to other points within the same building. The Company may extend E-MAN Service to other points within the same building on a time and materials basis per General Tariff CRTC 3001 - Item 305 - Installation, Maintenance, Move, Rearrangement, Escort and Repair Service. Company employees must have unrestricted access to the CPE for repair or regular maintenance. C

(d) The Company is solely responsible for the installation, operation and maintenance of the CPE as well as equipment in the serving Central Office. The customer is responsible for providing a suitable uninterrupted power supply for the CPE. C

(e) In all Rate Centres, E-MAN Service is not assured if total cable distance exceeds 5,000 cable meters as measured via cable distance from the serving Wire Centre to the customer premises. It is at the sole discretion of the Company to offer E-MAN service outside the 5,000 cable meter limit. Additional one-time charges based on the cost incurred by the Company to provision additional equipment may be applied. In addition to these one-time charges, an additional monthly fee applies for each additional kilometer above the 5,000 cable meter distance limit as set out in Item 1118.5.(g). When it is necessary to install special equipment or to incur an unusual expense to establish a service connection, the customer shall pay an additional charge based on time and materials in accordance with the General Tariff CRTC 3001 Item 305 - Installation, Maintenance, Move, Rearrangement, Escort and Repair Service.

(f) After the initial contract term has expired, the Company shall continue to provide E-MAN Service on a month-to-month basis at the previously contracted rate. E-MAN Service may be cancelled by either the customer or the Company with 30-days' notice. In the event of termination by the customer for all or part of an E-MAN Service arrangement prior to the expiry of the original Minimum Contract Period (MCP), the customer shall pay to the Company all charges due for services furnished to date plus a termination charge equal to 50% of the E-MAN Service charges applicable to the unexpired portion of the MCP.

(g) Termination charges as set out in Item 1118.4.(f) above will be reduced or waived if the customer contracts for another Company service as follows:

(1) 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; or

(2) If the committed revenues under the new contract(s) are less than those remaining under the original contract(s), a termination charge of one half of the difference between the two amounts applies.

5. Rates and Charges

For all site types, the number of sites refers to the total number of all types of E-MAN Service sites, including 10 Mbps, 100 Mbps and 1,000 Mbps sites, that one customer has in all communities (both Rate Bands D and H1) within the Company's operating territory.

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

5. Rates and Charges (continued)

(a) The following monthly rates apply to a single 10 Mbps Ethernet port, per customer premises, per customer. Only one VLAN per port is permitted. The maximum transmission unit (MTU) is 1,500 bytes.

	Monthly Rate per E-MAN site, 1-30 total sites, each			Monthly Rate per E-MAN site, 31 or more total sites, each		
Rate Band	**1-year MCP**	**3-year MCP**	**5-year MCP**	**1-year MCP**	**3-year MCP**	**5-year MCP**
D	$ 840.36	$ 719.76	$ 581.08	$ 546.72	$ 442.93	$ 383.67
H1	$ 964.81	$ 812.04	$ 689.16	$ 627.02	$ 498.81	$ 442.13

(b) The following monthly rates apply to a single 100 Mbps Ethernet port, per customer premises, per customer. Only one VLAN per port is permitted. The MTU is 1,500 bytes.

	Monthly Rate per E-MAN site, 1-30 total sites, each			Monthly Rate per E-MAN site, 31 or more total sites, each		
Rate Band	**1-year MCP**	**3-year MCP**	**5-year MCP**	**1-year MCP**	**3-year MCP**	**5-year MCP**
D	$ 920.95	$ 775.13	$ 657.83	$ 713.73	$ 586.88	$ 559.06
H1	$ 1,085.41	$ 870.05	$ 746.58	$ 778.21	$ 738.60	$ 718.70

(c) The following monthly rates apply to a single 1000 Mbps Ethernet port, per customer premises, per customer. Only one VLAN per port is permitted. The MTU is 1,500 bytes.

	Monthly Rate per E-MAN site, 1-30 total sites, each			Monthly Rate per E-MAN site, 31 or more total sites, each		
Rate Band	**1-year MCP**	**3-year MCP**	**5-year MCP**	**1-year MCP**	**3-year MCP**	**5-year MCP**
D	$ 1,714.99	$ 1,434.01	$ 1,151.20	$ 1,131.16	$ 963.39	$ 811.18
H1	$ 1,989.93	$ 1,594.83	$ 1,389.80	$ 1,453.01	$ 1,148.46	$ 947.43

(d) The following monthly rates apply to a single 10 Gbps Ethernet port, per customer premises, per customer.

(1) The customer may elect one of the following two service options:
a. 10 Gbps with QinQ (802.1ad tunneling) and an MTU of 9,000 bytes. VLANs are not required. Or C
b. 10 Gbps with standard VLANs and an MTU of 1,500 bytes. Additional optional VLANs are permitted with this service option

(2) All installation, whether new installations or upgrades from 10, 100, or 1,000 Mbps E-MAN, are subject to the one-time fee as set out in Item 1118.6.(a).

(3) 10 Gbps E-MAN is only available in certain communities subject to the availability of suitable facilities and equipment.

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

5. Rates and Charges (continued)

(d) The following monthly rates apply to a single 10 Gbps Ethernet port, per customer premises, per customer. (continued) N

(4) For either service option 1 (QinQ with 9,000 byte MTU) or service option 2 (no QinQ with 1,500 byte MTU). N

	Monthly Rate per E-MAN site, 1-30 total sites, each			Monthly Rate per E-MAN site, 31 or more total sites, each			M
Rate Band	**1-year MCP**	**3-year MCP**	**5-year MCP**	**1-year MCP**	**3-year MCP**	**5-year MCP**	
D	N/A	$ 2,000.00	$ 1,800.00	N/A	$ 2,000.00	$1,800.00	
H1	N/A	N/A	N/A	N/A	N/A	N/A	M

(e) For customers who have 85 or more total sites, either at the beginning of the three-year MCP or who have committed to reach that number by end of the first year of the three-year MCP, consisting of any combination of 100 Mbps Ethernet ports, 1,000 Mbps Ethernet ports, and 10 Gbps Ethernet ports, the following monthly rates apply to a single 1,000 Mbps Ethernet port, per customer premises, per customer. Only one VLAN per port is permitted. If a customer who has committed to reach 85 total sites by end of the first year of the three-year MCP does not do so, the applicable rates as set out in Item 1118.5(c) shall apply for the entire three-year MCP and previously billed charges for the first year of the three-year MCP shall be adjusted accordingly. As an exception to Item 1118.4.(f), at the end of the initial three-year MCP, this arrangement may be renewed for successive three-year MCPs, subject to the mutual agreement of the Company and the customer. If this arrangement is not renewed at the end of any three-year MCP, the Company shall continue to provide E-MAN Service on a month-to-month basis at the three-year MCP rate applicable for 31 or more total sites.

	Monthly Rate per E-MAN site, 85 or more total sites, each
Rate Band	**3-year MCP**
D	$608.44
H1	$733.73

M – *Moved from Page 208*.

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

5. Rates and Charges (continued)

(f) Options and Features:

Service		Monthly Rate	One-time Service Charge
Additional 10/100/1,000 Mbps port on CPE (Note 1)	C	$ 60.50	$220.00
Additional VLAN on CPE (Note 1)	C	$ 61.76	$220.00
Move CPE within the same customer premises (Note 2)	C	n/a	$ 1,650.00
Upgrade between speed tiers of 10 Mbps to 100 Mbps or 1,000 Mbps; or from 100 Mbps to 1,000 Mbps, per port (Note 3)		n/a	$ 220.00
Add a VLAN trunk on CPE	C	n/a	$ 715.00

Note 1: Only a single One-time Service Charge at a time applies to enable/disable a port or to enable/disable or modify a VLAN per CPE per customer per order. C
Note 2: When applicable, an additional charge based on the cost incurred by the Company to provision additional equipment at the customer's premises will be applied.
Note 3: If the existing CPE can be used to provide the 1,000 Mbps service, the One-time Service Charge is $210.00. Additional charges may apply as set out in Item 1118.6 Installation Charges.

(g) The following distance rate applies to the first Ethernet port where the total cable distance is greater than 5,000 metres from a customer premises to the Company-designated serving Central Office to provide E-MAN Service: C

Each additional 1,000 metres, or portion thereof $ 90.75 per month

(h) The following monthly rates apply to each Ethernet Connecting Link:

Ethernet Link Speed	Monthly Rate
10 Mbps	$ 242.00
100 Mbps	$ 264.00
1000 Mbps	$ 594.00
10 Gbps	$ 800.00

Note: Each Ethernet Connecting Link, except 10 Gbps Ethernet Link, includes one VLAN. If additional VLANs are requested, the one-time and recurring charges set out in Item 1118.5.(f) apply. Additional VLANs not available on 10 Gbps Ethernet Link.

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Item
1118 ETHERNET METROPOLITAN AREA NETWORK (E-MAN) SERVICE (continued)

6. Installation Charges

(a) The following installation charge applies in addition to the rates and charges set out in Item 1118.5.(a) to (e) inclusive where the demarcation point is within 400 metres (as measured by actual cable distance) of the nearest Company network access point, per customer, per building.

One-time Installation Charge	Per Customer, Per Building
Set up fee (up to 400 metre cable length from splice point) including CPE Installation and E-MAN Service activation	$2,640.00

(b) If the customer premises is further than 400 metres (as measured by actual cable distance) from an existing network access point, or when it is necessary to install special equipment or incur an unusual expense to establish an E-MAN Service connection, in addition to the rates and charges set out in Item 1118.5.(a) to (e) inclusive, and the Installation Charge set out in Item 1118.6.(a) see CRTC 3001 Item 309 - Fibre Construction for Enterprise Services. C C

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9th Revised Page 216
6th Revised Page 217

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Item 1120 **(D)**

FRACTIONAL DS-1 ACCESS **(N)**

A. DESCRIPTION

This data network service provides for the digital transmission of information from a customer's premises to the Serving Central Office to connect with the Company's packet-based services at fractional DS-1 speeds, ranging from 128 kbps to 1.536 Mbps.

B. AVAILABILITY

The service is available where facilities exist, at the discretion of the Company.

C. DEFINITIONS

For this item:

1. "Access" provides the Customer with a digital access facility to connect the Customer's station equipment to the Serving Central Office/Rate Centre. **(C)**

2. "Serving Central Office" is the first Central Office that cross connects a customer premise to another customer premise.

3. "Interface" provides the customer with a choice of DSX-1, V.35, or RS-449/RS-422 interface card. **(C)**

D. CONDITIONS:

1. The service will be provisioned within its operating limitations and equipment capabilities.

2. The Company will provide service to the Interface located at the Customer's premises, and to the Interface in the Central Office, if applicable. The Customer shall be responsible for the extension of the service to other points within the same building.

3. The customer is solely responsible for the installation, operation, and maintenance of customer provided terminal equipment used to connect to the service interface.

4. After the initial contract period has expired, the service will be available on a month-to-month basis at the previously contracted rate, and may be cancelled by either party on 30 days notice. A termination penalty shall be equal to the present worth of the remaining monthly total during the initial service period. **(C)**

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Item
1120 FRACTIONAL DS-1 ACCESS (cont'd.)

E. RATES

(a) Monthly Rates; per customer premise location; minimum one-year contractual agreement.

Service Item	Monthly Charges		Service Charge*	
128 kbps fractional DS-1 access	$ 531.46	A	$ 1,127.35	A
384 kbps fractional DS-1 access	$ 623.57	|	$ 1,127.35	|
768 kbps fractional DS-1 access	$ 637.74	|	$ 1,127.35	|
768 kbps to 1.536 Mbps access	$ 669.95	A	$ 1,127.35	A

* A service charge applies to install, change, or re-arrange this service.

(b) Additional Charges

When it is necessary to install special equipment or to incur an unusual expense to establish a service connection, the customer shall pay an additional charge based on time and materials, in accordance with General Tariff, CRTC 3001, Item 305.

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Item
1122 ASYMMETRIC DIGITAL SUBSCRIBER LINE (ADSL) ACCESS SERVICE

A. Description
The Asymmetric Digital Subscriber Line (ADSL) Access Service permits, where technically possible, high speed data transmission over existing individual line facilities, between a Service Provider's co-located transmission equipment and a residence customer's premise.

B. Availability
The service is available to Service Providers located in Whitehorse, YT, Yellowknife, NT and Fort Nelson, BC.

C. Conditions

1. The service is available in selected Central Offices as determined by the Company and is subject to availability of suitable facilities. C

2. The service is offered in conjunction with individual line residence and single line business Exchange service only. C

3. The service is not available where individual lines exceed distance limitations, excessive bridge taps are present, loading coils are present, or metallic continuity cannot be maintained.

4. The end-user must make the necessary arrangements with a participating SP for applications (eg., Internet services).

5. A letter of authorization on behalf of the residence individual line or business individual line end-user must be provided by the Service Provider to the Company before the Company will allow the Service Provider to access to end-user's individual line. C

6. Co-location requests will be handled through a Special Assembly basis. All ADSL transmission equipment must meet the appropriate Industry Canada certifications.

7. If an end-user cancels primary exchange service, billing for ADSL Access will continue until the Company is informed by the Service Provider that the ADSL Access Service is to be terminated.

8. Due to the continuous upgrading of the Company's local telecommunications network, the Company cannot guarantee continuous access to an individual line for the provision of ADSL Service. C

9. The Company does not guarantee the level of data transmission over the individual line.

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Item
1122 ASYMMETRIC DIGITAL SUBSCRIBER LINE (ADSL) ACCESS SERVICE (cont'd)

D. RATES AND CHARGES

(a) The following rates and charges are payable by the ISP and are for each individual Exchange access line connected, including a customer premises modem: C

Service Item	Monthly Rate	Service Charge
ADSL Access Service, per individual line, 100 lines minimum	$15.75	$110
Connection between MDF and the Service Provider's co-located ADSL Equipment	--	Time and Materials, CRTC 3001, Item 305

(b) High Speed Service Provider Interface

Service Item	Monthly Rate	Service Charge
DS-3 Fibre Connection from Co-located DSLAM to Service Provider	$2250	$1000

(c) Co-Location

Co-location requests are handled on a special services basis.

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Item
1124 Ethernet Wide Area Network (E-WAN) Service

1. Description

E-WAN Service is a terrestrial Layer 2 Ethernet WAN solution available in the Company's terrestrial Rate Centres.

E-WAN Service provides customers with point-to-point layer 2 connectivity between the Company's Rate Centres, and from the Company's Rate Centres to southern locations operated and managed by other telecommunications service providers (TSPs), through Network-to-Network Interconnection (NNI) arrangements.

At each site, E-WAN Service is offered over a single 10/100/1000 Mbps physical Ethernet port at the demarcation point. Additional Ethernet ports are available at the rates and charges shown in 1124.5.(d). The Maximum Transmission Unit (MTU) is 1,500 bytes. The E-WAN monthly service charges include up to five VLANs per E-WAN point-to-point link. Additional VLANs will be charged in accordance with CRTC 3003 Item 1118. 5.e.

2. Definitions

(a) *Customer Equipment (CE)* is all equipment, software, inside wiring, or other devices that are owned, operated, and maintained by the customer and are not provided by the Company. The customer is responsible for maintaining CE in good working order to avoid network harm. The Company is not responsible for supplying, installing, or operating CE, including, without limitation, the suitability of CE or compatibility of CE with any CPE or Services. The Company has no obligation to maintain, repair, or provide service or support for CE. N N

(b) *Company Provided Equipment (CPE)* refers to equipment, software, or other devices that are owned and supplied by the Company and located at the customer's premises to enable delivery of the Company's services. The Company is solely responsible for the installation, operation and maintenance of the CPE as well as equipment in the serving Central Office. The customer is responsible for providing a suitable uninterruptible power supply for the CPE. Company employees must have reasonably prompt access to the CPE for repair or regular maintenance. C C

(c) *Demarcation Point* is the customer-facing Ethernet port of the CPE at the customer's premises. C

(d) *LAN* is a Local Area Network. C

(e) *Port* is a customer-facing interface in the CPE through which data is physically transmitted. C

(f) *Type A Community* is a Rate Centre listed in Item 1124.4 as Type A. C

(g) *Type B Community* is a Rate Centre listed in Item 1124.4 as Type B. C

(h) *Type C Community* is a Rate Centre listed in Item 1124.4 as Type C. C

(i) *Virtual LAN* is a group of devices on one or more LANs that are configured using management software so that they can communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. C

(j) *WAN* is a Wide Area Network. C

D

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Item
1124 Ethernet Wide Area Network (E-WAN) Service - continued

3. Terms and Conditions C

(a) On private property, the customer is responsible to provide a suitable aerial, underground or conduit route to the demarcation point. The customer shall also be responsible for the extension of the service to other points within the same building. C C

(b) The customer is responsible for providing a suitable uninterrupted power supply for the CPE and the selection, supply, installation and maintenance of CE necessary for use in conjunction with E-WAN Service past the demarcation point. C C

(c) E-WAN Service is only available in the Rate Centres listed in this Item. Service requests in other Company Rate Centres will be treated on a special assembly basis where suitable facilities exist. C

(d) When it is necessary to obtain equipment and/or facilities from other TSPs to provide E-WAN Service, the Company will pass through the contracted terms, conditions, rates and charges imposed by other TSPs, plus reasonable mark-up, to the customer. C

(e) The provision of E-WAN Service and any bandwidth request in any Rate Centre is subject to the ability of the Company to satisfy existing transmission standards and the availability of suitable network capacity, connection equipment and facilities. C

(f) When it is necessary to install special equipment or to incur an unusual expense to establish a service connection, the customer shall pay an additional charge based on time and materials, in accordance with General Tariff CRTC 3001 - Item 305 - Installation, Maintenance, Move, Rearrangement, Escort and Repair Service. C

(g) CE attached to the Company's facilities must be in accordance with CRTC 3001 - Item 1301 - General, Item 1302 – Service Charge and Item 1303 – Terminal Attachment Plan. C

(h) In all Rate Centres, E-WAN Service is not assured if total cable distance exceeds 5,000 meters as measured via cable distance from the serving Central Office to the customer premises. It is at the sole discretion of the Company to offer E-WAN Service outside the 5,000 meter limit. Additional distance charges will be applied in accordance with Item 1118 - Ethernet Metropolitan Area Network (MAN) Service. C

(i) Notwithstanding Item 1124.3.(h) above, if suitable access facilities required for E-WAN Service are not available, additional charges will apply in accordance with Item 1118 - Ethernet Metropolitan Area Network (MAN) Service. C

(j) Non-contracted E-WAN Service may be terminated by the customer with 30 days' notice. For all other minimum contract periods (MCPs), in the event of termination by the customer of all or part of an E-WAN Service arrangement prior to the expiry of the MCP, the customer shall pay to the Company all charges due for services furnished to date plus a termination charge equal to 50% of the E-WAN Service charges applicable to the unexpired portion of the MCP. C

(k) Termination charges as set out in Item 1124.3.(l) above will be reduced or waived if the customer contracts for another Company service as follows: C

(1) 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; or

(2) If the committed revenues under the new contract(s) are less than those remaining under the original contract(s), a termination charge of one half of the difference between the two amounts applies.

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Item
1124 Ethernet Wide Area Network (E-WAN) Service (continued)

3. Terms and Conditions (continued)

(n) After the expiry of the initial term, the Company shall continue to provide E-WAN Service on a month-to-month basis at the current non-contracted monthly rate. After the expiry of the initial term, the Company or the customer may terminate E-WAN Service by giving 30 days' written notice to the other.

(o) If the CRTC forbears from the regulation of E-WAN Service or a portion of E-WAN service, and if the customer has non-contracted E-WAN Service, then the Company may cancel the service by giving 30 days' notice for the forborne element(s). If the customer is on any other MCP then the terms and conditions of that MCP apply to the end of the MCP.

4. Service Availability

(a) E-WAN Service is offered in the following Company Rate Centres:

Community Type	Rate Centre	Province/Territory
A	Fort Nelson	BC
	Hay River	NT N
	Whitehorse	YT
	Yellowknife	NT
B	Beaver Creek	YT
	Carcross	YT
	Carmacks	YT
	Dawson City	YT
	Destruction Bay	YT
	Dettah	NT
	Faro	YT
	Haines Junction	YT
	Jean Marie River	NT
	Mayo	YT
	Norman Wells	NT
	Pelly Crossing	YT
	Ross River	YT
	Teslin	YT
	Watson Lake	YT
	Whatì	NT
C	Iskut	BC
	Telegraph Creek	BC

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Item 1124 Ethernet Wide Area Network (E-WAN) Service - continued

5. Rates and Charges

The customer shall pay the following rates and charges associated with E-WAN Service. Rates and charges for other services purchased in conjunction with E-WAN Service are in addition to these rates and charges.

(a) Type A Communities. For One-time Charges, see Note 1.

	Monthly Rates			One-time Charge
Bandwidth (Note 1)	Non-contracted	1-Year MCP	3-Year MCP	
10Mbps	$ 13,436.05	$ 12,092.44	$ 10,748.85	$ 9,240.00
20Mbps	26,641.23	23,680.85	21,312.99	9,817.50
30Mbps	38,646.69	34,782.02	30,917.35	9,817.50
50Mbps	38,662.47	34,796.22	30,929.97	9,817.50
100Mbps	46,867.94	42,181.14	37,494.35	9,817.50

(b) Type B Communities. For One-time Charges, see Note 1.

	Monthly Rates			One-time Charge
Bandwidth	Non-contracted		3-Year MCP	
10Mbps	$ 20,328.00	$ 18,295.20	$ 16,262.40	$ 9,240.00
20Mbps	37,594.09	33,834.68	30,075.27	9,817.50
30Mbps	37,984.95	34,186.46	30,387.96	9,817.50
50Mbps	44,428.23	39,985.41	35,542.59	9,817.50
100Mbps	57,848.18	52,063.36	46,278.54	9,817.50

(c) Type C Communities. For One-time Charges, see Note 1.

	Monthly Rates			One-time Charge
Bandwidth	Non-contracted		3-Year MCP	
5Mbps	$ 10,811.95	$ 9,730.75	$ $8,649.56	$ 9,240.00
10Mbps	21,064.89	18,958.40	16,851.91	9,240.00
20Mbps	33,232.82	29,909.53	26,586.26	9,817.50
30Mbps	47,806.61	43,025.94	38,245.29	9,817.50
50Mbps	78,565.41	70,708.87	62,852.33	9,817.50

(d) Additional Rates and Charges

		Monthly Rate	One-time Charge
Additional Ethernet Port on CPE	C	N/A	$ 895.12
Additional VLAN on CPE (Note 4)	C	Note 5	Note 5
Additional VLAN trunk on CPE	C	Note 5	Note 5
Bandwidth upgrade Mbps range		N/A	Note 3

Note 1: The One-time Charge does not apply for subsequent speed changes after the service initial installation. For bandwidth changes, a One-time charge of $ 231.00 per site, per service order applies.

Note 2: If the customer premises is further than 400 metres (as measured by the actual cable distance) from an existing network access point, see CRTC 3001 Item 309 - Fibre Construction for Enterprise Services.

Note 3: If the existing CPE can be used to provide the 1,000 Mbps service, the One-time Service Charge is $210.00. Additional charges may apply as set out in CRTC 3003, Item 1118.6, Ethernet Metropolitan Area Network Service, Installation Charges.

Note 4: Only a single One-time Service Charge at a time applies to enable/disable a port or to enable/disable or modify a VLAN per CPE per customer per order. C

Note 5: For Monthly Rates and One-time Charges, see CRTC 3003 Item 1118.5.(f), Ethernet Metropolitan Area Network Service, Rates and Charges, Options and Features.

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Item
1125 MOBILE FIBRE BACKHAUL

1. Description

Mobile Fibre Backhaul provides customers with a 1 Gbps Layer 2 fibre backhaul service, from a customer-provided (and owned) small cell or other remote terminal, to Company Central Office equipment. The Company Central Office equipment aggregates the data from the remote devices connected, and passes it to a client-owned Point of Presence (PoP). **(C)** | **(C)**

2. Availability

This service is offered at a speed of 1 Gbps only. The service is only available within the following Exchanges, subject to the availability of suitable facilities: **(C)** **(C)**

Exchange Band	Province/Territory	Exchange
D	YT	Whitehorse
D	NT	Yellowknife
H1	NU	All

(N) | | **(N)**

3. Definitions

In this item:

"*Small Cell*" is a remote terminal which is a low-powered radio access node that operate in licensed and unlicensed spectrum that have a range of 10 meters to 1 or 2 kilometers, as compared to a mobile macrocell, which may have a range of a few tens of kilometers.

"*SFP*" is a small form-factor pluggable transceiver which is a compact, hot-swappable, input/output transceiver used in data communication and telecommunications networks. An SFP interfaces between communication devices like switches, routers and fibre optic cables, and performs conversions between optical and electrical signals.

(M)

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Item
1125 MOBILE FIBRE BACKHAUL (cont'd)

4. Conditions (M)

a) Customers must have a minimum of one Base Connectivity, per Exchange plus one Remote Site Access, per Site, in the same Exchange as the Base Connectivity, to qualify for Mobile Fibre Backhaul service. A minimum of one Base Connectivity, per Customer, per Exchange applies for each Exchange provisioned with Mobile Fibre Backhaul service. (C)

b) The service demarcation point is the fibre connector that plugs into the Company-facing SFP port of the device. (C)

c) On private property, the customer is responsible to provide a suitable aerial, underground or conduit route to the remote terminal.

d) Except for service facilities, all connected remote devices shall be and will remain the customer's responsibility. (C)

e) If the customer's PoP is located outside of the Central Office, the customer will be required to carry the aggregated traffic to their PoP from the Company's Central Office. The access facility to carry such traffic is subject to the applicable rates, terms and conditions, for the access service in addition to the charges for Mobile Fibre Backhaul service pursuant to this Item. (C) (C)

f) The customer is responsible for installation, power, and grounding for the small cell or remote terminal.

g) The Company will provide a list of suitable SFP devices upon receiving an order from a customer or a request for a list of suitable SFP devices. The customers' device(s) must incorporate and utilize a suitable SFP device. (C) (M)

h) Customer devices attached to the Company's facilities must comply with CRTC 3001 Connection of Customer-provided Equipment - Item 1301 – General, Item 1302 — Service Charge, and Item 1303 – Terminal Attachment Plan. (C)

i) The Base Connectivity, per Customer, per Exchange One-Time Service Charge excludes charges associated with CRTC 3010 - Item 746 - Co-location Arrangements for Interconnecting Canadian Carriers, and CRTC 3010 Item 702 - Occupancy Rates for Radio Sites, as applicable.

j) When it is necessary to install special equipment or to incur an unusual expense to establish a service connection, the customer shall pay an additional charge based on time and materials, in accordance with CRTC 3001 - Item 305 – Installation, Maintenance, Move, Rearrangement, Escort and Repair Service, Item 306 – Construction Charges, or Item 307 – Special Outside Construction. (C) (C)

k) The customer will be charged time and materials in accordance with the CRTC 3001 - Item 305 - Installation, Maintenance, Move, Rearrangement, Escort and Repair Service for service requests including repair requests not associated with Company equipment and facilities, and for service requests where Company equipment and facilities are deemed to be not at fault. (C) (C)

l) The service is deemed to be working when the Company equipment at the Central Office is operational, and either (a) the equipment is receiving data from the remote terminal or (b) test equipment confirms fibre cable length and acceptable signal attenuation at the customer's device. (C)

m) This service is available on a month to month basis which can be terminated by the Customer with 30 days written notice.

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Item
1125 MOBILE FIBRE BACKHAUL (cont'd)

5. Rates and Charges

The following rates do not include costs associated with the construction of access fibre facilities, which will be charged in accordance with CRTC 3001 Item 305 - Installation, Maintenance, Move, Rearrangement, Escort and Repair Service, Item 306 - Construction Charges, and Item 307 – Special Outside Construction.

a. Rates and Charges: Band D Exchanges

	Monthly Recurring Charge	**One-Time Service Charge**
Base Connectivity, per Customer, Per Exchange	$2,310.00 **A**	$ 2,164.47 **A**
Remote Site Access, per Site	$1,027.95 **A**	$ 1,963.50 **A**

b. Rates and Charges: Band H1 Nunavut Exchanges

	Monthly Recurring Charge	**One-Time Service Charge**
Base Connectivity, per Customer, Per Exchange	$ 1,062.60 **A**	$ $2,489.02 **A**
Remote Site Access, per Site	$ 531.30 **A**	$ $2,258.02 **A**

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Item
1126 ACCELERATED INSTALLATION SERVICE

1. Description

Accelerated Installation service offers eligible business customers (retail and wholesale) the option to request the provisioning and installation of certain services, in the Company's Operating Territory, on a due date that is earlier than the date which the Company has assigned as the original due date for installation.

An Accelerated Installation service charge applies as specified in 4.a, in addition to the applicable one-time service charges specified in General Tariff CRTC 3001, Private Wire Service Tariff 3003.

2. Availability

This service is offered to new and existing retail and wholesale business customers who require an order to be accelerated to a date that is earlier than the original due date.

3. Terms and Conditions

(a) The Accelerated Installation service charge applies when the order is completed and the Company has met the Accelerated Installation due date negotiated with the customer. Accelerated Installation is subject to the Terms & Conditions in the General Tariff CRTC 3001 and 3003.

(b) One Accelerated Installation service charge applies per circuit on each completed order for eligible services, as defined in 3.(c). Customers can request one of two Accelerated Installation due dates:

i. For 1 to 8 business days earlier than the original system due date, the service charge specified in 4,(a)(1), applies.

ii. For 9 or more business days earlier than the original due date, the service charge specified in 4.(a)(2), applies.

(c) A customer may request Accelerated Installation for the following services:

Item No.	Private Wire Services
CRTC 3003 Item 1110	V-Connect Service
CRTC 3003 Item 1118	Ethernet Metropolitan Area Network (MAN) Service
CRTC 3003 Item 1124	Ethernet Wide Area Network (WAN) Service

4. Rates and Charges

(a) The following service charge applies per circuit, for orders with an Accelerated Installation due date, for the services listed in 3.(c). As specified in the tariffs noted in 3.(c) when it is necessary to install special equipment or to incur an unusual expense to establish a service connection, the customer shall pay an additional charge based on time and materials.

Accelerated Installation Service	Service Charges
(1) Accelerated Installation due date that is 1 to 8 days earlier than the original system due date, service charge per Customer Premise	$ 3,327.50 A
(2) Accelerated Installation due date that is 9 or more days earlier than the original system due date, service charge per Customer Premise	$ 6,655.00 A

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