

**PRIVATE WIRE SERVICE
MILEAGE CHARGES**

**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.

(M₁)

Schedule IV - the numerical requirements are specified as follows:

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.

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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

(M₁)

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

(C)

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Item

202 VOICE GRADE CHANNELS (cont'd)

(M)

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.

	<u>Monthly Rental</u>	<u>Service Charge</u>
First quarter mile	\$25.30	Item 503
Ea. additional quarter mile or fraction thereof	7.20	Item 503
Minimum	25.30	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:

	<u>Monthly Rental</u>	<u>Service Charge</u>
First quarter mile	\$25.30	Item 503
Ea. additional quarter mile.....	7.20	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 \$7.10 applies for a channel entirely within one building.

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.

(M)

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.

(C)(M₁)

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.

(C)

Notes:

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

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MILEAGE CHARGES

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202 VOICE GRADE CHANNELS (cont'd)

(C)

C. Intercity Mileage (cont'd)

Notes: (cont'd)

- (c) For service between Northwestel'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. (M)
- (d) For service between Northwestel'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. (M₁)
- (e) For service between Northwestel's operating area in Nunavut and a point in Canada not served by Northwestel, mileage charges are measured via the gateway at James Bay.
- (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 Northwestel's operating area.

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

	<u>V</u>	<u>H</u>
ALYUK.....	2868	10915
SEAYUK.....	3640	10442

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

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**PRIVATE WIRE SERVICE
MILEAGE CHARGES**

Item

202 VOICE GRADE CHANNELS (cont'd)

(M)

C. Intercity Mileage (cont'd)

(C)

2. Monthly Charges

a) Schedule of Rates

i) Intra Company Schedule of Rates

(a) Charge per Mile

<u>Mileage</u>	<u>Monthly Rate</u>	<u>Mileage</u>	<u>Monthly Rate</u>
1	\$51.25	57-60	\$888.45
2	70.80	61-65	948.25
3	90.30	66-70	1,011.70
4	108.60	71-76	1,083.70
5	126.90	77-83	1,156.90
6	146.45	84-91	1,165.45
7	166.00	92-100	1,228.90
8	184.30	101-110	1,287.50
9	190.40	111-121	1,343.65
10	207.45	122-133	1,409.55
11-12	236.75	134-146	1,475.45
13-14	264.80	147-160	1,552.30
15-16	295.35	161-175	1,660.95
17-18	330.70	176-191	1,695.10
19-20	364.90	192-208	1,813.50
21-22	396.60	209-226	1,939.20
23-24	410.05	227-245	2,072.20
25-26	433.25	246-265	2,211.30
27-29	468.60	266-286	2,360.20
30-32	511.35	287-308	2,512.75
33-35	557.70	309-331	2,671.40
36-38	605.30	332-355	2,677.50
39-41	654.10	356-380	2,852.00
42-44	701.70	381-406	3,009.45
45-48	718.80	407-433	3,185.20
49-52	771.30	434-461	3,363.35
53-56	826.20	462-490	3,546.40
		Over 490	3,725.80

(A)

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MILEAGE CHARGES**

Item 202 VOICE GRADE CHANNELS (cont'd)

C. Intercity Mileage (cont'd)

(C) (M)

2. Monthly Charges (cont'd)

a) Schedule of Rates (cont'd)

i) Intra Company Schedule of Rates (cont'd)

(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 preceding.

	<u>Monthly Rate</u>	<u>Service Charge</u>
Data Channel	\$60.00	\$200.00
Voice Channel	60.00	200.00

(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

<u>Mileage</u>	<u>Monthly Base Charge</u>	<u>Monthly Charge per Mile</u>
0-20	\$0.00	\$20.90
21-50	149.00	14.95
51-100	342.00	11.10
101-300	1,000.00	4.55
301-500	1,404.00	3.25
501-1000	1,968.00	2.12
1001-1500	3,400.00	.69
Over 1500	3,640.00	.53

(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) (M)

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.

	<u>Monthly Charge</u>	<u>Service Charge</u>
Data Channel	\$60.00	\$200.00
Voice Channel	\$60.00	200.00

(d) Local channel Charge

As per CRTC 3003, Item 303.B.

Note:

1. As of 30 September 2004, this service is grandfathered 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 Northwestel's operating area, use the Intra-Company Schedule of Rates.

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

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PRIVATE WIRE SERVICE

MILEAGE CHARGES

Item

202 VOICE GRADE CHANNELS (cont'd)

(C) (M)

D. Drop-Service Charge

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.

(C)

E. Interruptions

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 to the subscriber.

Item

203 *Reserved for Future use*

(C)

Item

204 INTERRUPTIONS

(M₁)

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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