

**PRIVATE WIRE SERVICES**  
**DIGITAL NETWORK SERVICES**

**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. (C)
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 Northwestel DS-0 facilities furnished between Northwestel's Central Offices, between a Northwestel Central Office and a Central Office of another telephone company.
4. "DS-0" is a single channel provided between Rate Centres capable of digital transmission at a nominal 64 Kbps rate.
5. "DS-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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(C)

**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

		Monthly Rate	
Rate Band Mileage Distance (miles)	Base Charge	Rate per Mile	Service Charge (Note 1)
0 - 25	\$0.00	\$12.00	\$80.00
26 - 50	\$150.00	\$6.00	\$80.00
51 - 100	\$240.00	\$4.20	\$80.00
101 - 200	\$410.00	\$2.50	\$80.00
201 - 500	\$660.00	\$1.25	\$80.00
501 - 1,000	\$860.00	\$0.85	\$80.00
Over 1,000	\$1,460.00	\$0.25	\$80.00

**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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(C)

**C. Rates (cont'd)**

## 3. Interexchange Network Service Channel Charges: (cont'd)

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

Rate Band Mileage Distance (miles)	Base Charge	Monthly Rate	
		Rate per Mile	Service Charge (Note 1)
0 - 25	\$0.00	\$158.40	\$1,100.00
26 - 50	\$1,980.00	\$79.20	\$1,100.00
51 - 100	\$3,168.00	\$55.44	\$1,100.00
101 - 200	\$5,412.00	\$33.00	\$1,100.00
201 - 500	\$8,712.00	\$16.50	\$1,100.00
501 - 1,000	\$11,352.00	\$11.22	\$1,100.00
Over 1,000	\$19,272.00	\$3.30	\$1,100.00

**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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D. Conditions

1. Northwestel shall determine the Central Offices from where service shall be provided. Provision of service is subject to the ability of Northwestel and the Customer to satisfy existing transmission standards. The Service will be provisioned within its operating limitations and equipment capabilities.
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 Northwestel provided terminal equipment located at the Customer's premises.
6. The Customer is solely responsible for the installation, operation and maintenance of Customer provided terminal equipment. The Customer's terminal equipment attached to Northwestel's network must be in accordance with Northwestel's Connection of Customer-Provided Equipment tariff CRTC 3001, Items 1301, 1302 and 1303.
7. Northwestel 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)