

PRIVATE WIRE SERVICES
DIGITAL NETWORK SERVICES

Item**1118 ETHERNET METROPOLITAN AREA NETWORK (MAN) SERVICE****1. Description**

This data network service provides local interconnection (switching) of multiple premises for a same customer with end-to-end Ethernet standards over optical fibres or twisted copper pairs. This Ethernet service will allow a customer to interconnect its local area networks in a metropolitan area. (C)

This service includes Northwestel owned and provided Customer Premise Equipment (CPE).

2. Availability

- (C)
- a) This service is offered in Iqaluit, Hay River, Dease Lake, Fort Nelson, Whitehorse and Yellowknife and is subject to the availability of suitable facilities. Service in additional communities may be considered where feasible.
 - b) If facilities must be developed between the customer location and the Serving Central Office, additional charges will apply on a special assembly basis.
 - c) If additional equipment must be installed for the customer in order to provision the service, additional charges will apply on a special assembly basis.

3. Definitions

In this item:

“*Access*” provides the transmission facility connecting the Serving Central Office up to and including Northwestel owned terminating equipment at the end user premise.

“*Connection*” provides the Customer with a digital facility to connect the Customer’s premises to the Serving Central Office.

“*Customer*” refers to the purchaser of Ethernet MAN Service from Northwestel Inc.

“*Demarcation Point*” means Northwestel’s terminating equipment in the main telecommunications room unless otherwise agreed.

“*LAN*” means Local Area Network.

“*MAN*” means Metropolitan Area Network.

“*Port*” is a customer-facing interface in the terminating equipment through which data is physically transmitted.

“*Serving Central Office*” is the central office (wire or rate centre) defined by Northwestel in each community to which an end-user’s premise is connected by way of Ethernet MAN Service.

“*VLAN*” is 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.

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Item**1118 ETHERNET METROPOLITAN AREA NETWORK (MAN) SERVICE (cont'd)****4. Conditions**

- a) The 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 point of termination.
- c) The Company will provide service to the demarcation point (communication room) located at the customer premises. The customer shall be responsible for the extension of the service to other points within the same building, on a time and materials basis per General Tariff, CRTC 3001, Item 305. Northwestel employees must have unrestricted access to Northwestel's terminating equipment for repair or regular maintenance.
- d) Northwestel is solely responsible for the installation, operation and maintenance of the provided Customer Premise Equipment (CPE) as well as in the Serving Central Office. The Customer is responsible for providing a suitable UPS for this CPE.
- e) Ethernet connectivity is not assured at total circuit distances of more than 5,000 cable meters. It is at the sole discretion of Northwestel to offer the service outside the 5 km limit (cable length). Additional charge based on the cost incurred by Northwestel to provision additional equipment will be applied. Monthly fee surcharge applies for each additional kilometer above the 5 km limit. (C)
- f) After the initial contract term 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. Termination penalty shall be equal to 50% of the charges remaining for the unexpired portion of the minimum contract term.

5. Rates

- a) The following Base Rate applies to the first 10/100 Mbps Ethernet port, per customer premise, per customer. Only one VLAN per port is allowed.

First 10/100 Mbps BaseT Port per Customer Premise		
Minimum Contract Period Monthly Fee		
1 year	3 year	5 year
\$ 750.00	\$ 650.00	\$ 550.00

Additional Services:

Service	Monthly Rate	One-time Service Charge
Additional 10/100 Mbps Port on Terminating Equipment (Note 1)	\$50.00	\$200.00
Additional VLAN on Terminating Equipment (Note 1)	\$50.00	\$200.00
Move of Terminating Equipment on Same End User Premises (Note 2)	\$0.00	\$1,500.00
Automatic Speed Detection for 10/100 Mbps per Port	\$0.00	\$0.00

- Notes:
- Only one service charge at a time applies to enable/disable a port or to enable/disable or modify a VLAN per terminating equipment per customer.
 - When applicable, an additional charge based on the cost incurred by Northwestel to provision additional equipment at the end user's premise will be applied.

For explanation of symbols see Page 1

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Item 1118 ETHERNET METROPOLITAN AREA NETWORK (MAN) SERVICE (cont'd)

5. Rates (cont'd)

- b) The following Base Rate applies to one 1,000 Mbps Ethernet port, per customer premise. Only one (1) port at 1,000 Mbps and one (1) VLAN per terminating equipment.

1, 000 Mbps BaseT Port at one Customer Premise		
Minimum Contract Period Monthly Fee		
1 year	3 year	5 year
\$1,500.00	\$1,250.00	\$1,000.00

Additional Services:

Service	Monthly Rate	One-time Service Charge
Upgrade from 10/100 Mbps to 1,000 Mbps, per port	See Table Above	\$2,500.00
Move of Terminating Equipment on Same End User Premises (Note 1)	\$0.00	\$1,500.00

Note: 1. When applicable, an additional charge based on the cost incurred by Northwestel to provision additional equipment at the end user's premises will be applied.

- c) The following distance rate applies to the first Ethernet port where the total cable distance is greater than 5,000 metres from a customer premise to Northwestel designated Serving Central Office to provide Ethernet MAN Services:

Each additional 1,000 metres or portion thereof	\$75.00 per month
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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.

6. Service Charges

- a) The following charges apply where the demarcation point is within 200 metres of the nearest Northwestel network access point, under normal circumstances. Distances are measured in actual cable distance. (C)

One-time Service Charge	Per Customer, Per Building
Initial Fibre Installation (less than 200 m cable length from splice point) + CPE Installation + Turning up Service	\$5,000.00
CPE Installation + Turning up Service on Existing Northwestel Fibre Strands or Twisted Copper Pairs	\$2,500.00

- b) If the customer premise is further than 200 metres (cable length) from an existing network access point, or 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, Items 305, 306 and 307, plus \$2,500 for CPE installation. (C)

For explanation of symbols see Page 1

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