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**INTEGRATED SERVICES DIGITAL NETWORK  
(ISDN)**

**PRIMARY RATE INTERFACE  
(PRI)**

**TERMINAL-TO-NETWORK INTERFACE**

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**Disclosure Notice: Integrated Service Digital Network (ISDN)****Primary Rate Interface (PRI), Terminal-to-Network Interface****Date Commercial Service:** Planned to start in the third quarter of 1992.**Description of Service:**

Megalink service is a new digital service offering by B.C. Tel that is based on the ISDN Primary Rate Interface Standard as defined by the CCITT.

The ISDN Primary Rate Interface Standard provides the customer with a number of 64Kbps digital information channels (B channels) and 1 x 64 Kbps digital information channel (D channel) over a customer's initial access. The single D channel can provide signalling for up to 20 access systems. Thus for each of the additional access systems, the customer will have 24 B channels available at the same customer premises. Single incremental B channels will also be available for additional access to meet the needs of customers who require less than 24 channel increments. Customers will have the option of requesting a D channel per system or additional backup D channels for survivability.

Megalink service will be used by customers to connect a variety of equipment such as PBXs, host computers, T1 multiplexors or LAN servers to an ISDN equipped switch located in the BC Tel Serving Office. The initial dominant application is expected to be integrated access from medium or large size digital PBXs to the local and interexchange network services offered by the company.

**Further Information**

For Service Description Information, call :

B.C. Telephone Company  
Service Development Manager  
New Business Initiatives  
11 - 3777 Kingsway  
Burnaby, B.C.  
V5H 3Z7  
(604-432-2912)

For further Technical Information, contact :

B.C. Telephone Company  
Engineering Standards  
10 - 3777 Kingsway  
Burnaby, B.C.  
V5H 3Z7  
(604) 432-4109

**Description of Interface:**

B. C. Tel is using the standard interface as provided by Northern Telecom's DMS 100 switch. The DMS 100's implementation of ISDN PRI is based on the standards developed by the International Telegraph and Telephone Consultative Committee (CCITT) and the American National Standards Institute (ANSI) T1 Committees. In particular, the DMS 100 PRI is specified in the Northern Telecom Publication : NIS A211-1 "ISDN Primary Rate User - Network Interface Specification, Northern Telecom".

Readers are specifically advised that the technical requirements may change from time to time as the switch evolves. The current version of NIS A211-1 and other detailed information about the ISDN PRI for the DMS 100 can be obtained from :

Northern Telecom Canada Ltd.,  
Sales Manager  
410-13251 Delf Place  
Richmond, B.C.  
Canada, V6V 2A2  
Tel: (604) 279-2265

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**Disclaimer:**

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