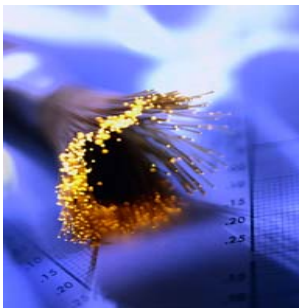


ETHERNET SERVICES



General Description of Ethernet Services

Hibernia Atlantic employ equipment from a number of vendors to delivery Ethernet Services based on the IEEE 802.3 and IEEE 802.1Q standards. The primary service offered by Hibernia Atlantic is Transparent Ethernet circuits delivered using Packet Over SONET (POS). The services over 10/100Base-TX interfaces can be offered both Transparently or VLAN enabled if required, while Gigabit Ethernet (GE) circuits are only available as transparent point-to-point circuits.



Services Types

Ethernet Services on 10/100Base-TX Interface:

Interface:	RJ45
Bandwidth	Multiples of VT1.5 up to 10Mb/s, 50Mb/s (STS-1), 100Mb/s (2*STS-1)
Circuit Types	Point-to-Point Transparent Point-to-Multipoint Using VLAN and POS (non-Transparent) Multipoint-to-Multipoint Using VLAN and POS (non-Transparent)
Options	VLAN Support 802.1Q VLAN (QinQ)

Ethernet Services on Gigabit Ethernet (100BASE-SX/LX) Interface:

Interface:	SFP 850nm (500m) SFP 1310nm (10km, 40km) SFP 1550nm (40km 70km) Connector Type: LC
Bandwidth	Increments of STS-1 (50Mb/s) between 50Mb/s and 1000Mb/s
Circuit Types	Point-to-Point Transparent
Other Features Supported	LAPS (x.86) / HDLC (PPP) /GFP Encapsulation LCAS, VT1.5 / STS-1 VCAT, QoS Support for 9600 Jumbo Frames

Charging Scheme

As the Hibernia Atlantic Ethernet Services are based on POS, all charging is based on fixed rate, and not usage based.

Contact Details

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