NETWORK SERVICES

6. SERVICES

6.1 General

Network Services consist of any of, the services offered hereunder, either individually or in combination. Each service is offered independent of the others.

6.2 Transmission Service

6.2.1 Transmission Service is offered via the Company's facilities for the transmission of one-way and two-wav communications.

6.2.2 Voice Grade channels over the Company's Network are furnished for the transmission of analog signals within an approximate bandwidth of 3003000 Hz.

Digital Data channels over the Company's Network are furnished for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2 or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer.

Digital channels over the Company's Network are furnished for full-duplex transmission of digital signals at operating speeds as follows:

64 Kbps
1.544 Mbps (DS-1)
44.736 Mbps (DS-3)

Digital channels operating at speeds other than those listed above may be provided at the Company's option on an Individual Case Basis (ICB). The rates for the operating speeds outlined above are described in Section 7.2.

NETWORK SERVICES

6. SERVICES (Cont.)

6.2 Transmission Service (Cont'd)

6.2.3 Digital channels furnished by the Company at 1.544 Mbps, interconnections to such channels and equipments interfacing to such channels shall meet the following technical characteristics:

Line Rate:	1.544 Mbps + 130 ppm
Line Code 1:	Bipolar (Alternate Mark) Inversion
Line Code 2:	Bipolar 8 zero substitution (B8ZS)
Line Impedance:	100 ohms + 5% balanced
Jitter:	The multiplexer will add not more than 0.3 time slot of rms jitter to a DS-1 signal when looped at the DS-3 point.

6.2.4 Digital channels furnished by the Company at 44.736 Mbps, interconnections to such channels and equipment interfacing to such channels shall meet the following technical characteristics:

Line Rate:	44.736 Mbps + 20 ppm
Line Code:	Bipolar with three-zero substitution (B3ZS)
Line Impedance:	75 ohms $\pm$ 5 percent unbalanced

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