II. INTEGRATED SERVICES DIGITAL NETWORK   (N)
PRIMARY RATE INTERFACE (ISDN–PRI)

A. DESCRIPTION

The basic Primary Rate Interface (PRI) structure consists of 23 B-channels and a D-channel, for a total transmission rate of 1.544 Mbps, which is equivalent to a T1 facility. Each 64 Kbps B-channel carries user information such as voice calls, circuit-switched data, or video. The D-channel is a 64 Kbps channel that is used to carry the control or signaling information.

B. DEFINITIONS

1. Service Configurations

a. 23B+D

This service configuration provides for 23 B-channels and 1 D-channel. The B-channels carry the circuit-switched voice and data, while the D-channel handles signaling information. The D-channel can control a maximum of 479 B-channels. The B-channels may be provisioned on the same facility as the D-channel or on other T1 facilities.

b. 24B

This service configuration provides for 24 B-channels. The B-channels carry the circuit-switched voice and data information. The signaling information is provided by a D-channel on the first T1 facility.

c. 23B+Back-up D

This service configuration provides for 23 B-channels and a backup D-channel. The Back-up D-channel is used if the primary D-channel, which provides signaling for multiple T1 facilities, fails. All active calls arc maintained during the switch-over to the back-up D-channel.   (N)