3.3 National ISDN-2 PRI Solutions

The guides in Section 3.3 use the capabilities of the National ISDN-2 Primary Rate Interface (PRI). This interface is comprised of 23 B channels and one D channel and is sometimes designated "23B + D." Like the BRI, each PRI B channel is 64 kbps. The D channel in PRI also operates at 64 kbps, is used for signaling only, and is not used for user data. The bandwidth of the PRI allows it to provide access to a variety of network services by customer premises equipment

NI-2 provides the following capabilities on Primary Rate Interfaces:

- Call-by-Call Service Selection - allows private network users to specify a network service to be used by a B channel call. This feature is necessary because unlike non-ISDN trunks, PRI allows several services to be provided over a single trunk. Examples of services which may be specified include non-ISDN Foreign Exchange (FX) facilities, non-ISDN Tie Trunks, Inward Wide Area Telecommunications Service (INWATS), Outward Wide Area Telecommunications Service (OUTWATS), and access to Electronic Tandem Networks (ETNs).

- Calling Number Identification Services for PRI - allows network users to control the delivery/privacy of Calling and Redirecting Numbers.

- SWF-DS1 (Switched Fractional DS1) or Multirate ISDN - allows a user to establish and clear calls through a PRI at rates of N x 64 kbps, where N = 2 to 24. The case where N=6 (384 kbps) is known as an H0 channel, and the case where N=24 (1536 kbps) is known as an H11 channel.

- Interworking with Private Networks - allows a PRI to be used as a tie trunk in private networks to connect two Private Branch Exchanges (PBXs), two Centrex switches, or one PBX and one Centrex switch.

The nine application groups covered are listed in the table below, followed by the numbers of the individual guides that belong to each group.

LANS	SCREEN SHARING	VIDEO	VOICE & DATA	FILE TRANSFER	WORK-AT-HOME	FAX & IMAGE	TRANS-ACTIONS	OTHER
3.3.1		**3.3.5**	**3.3.9**			**3.3.12**		**3.3.14**
3.3.2		**3.3.6**	**3.3.10**			**3.3.13**		**3.3.15**
3.3.3		**3.3.7**	**3.3.11**					**3.3.16**
3.3.4		**3.3.8**						**3.3.17**