E1-R2 and E1 ISDN PRI Installations

This guide describes the configuration procedures necessary to implement E1 R2 digital signaling for European, Pacific Rim, and other emerging markets. Please carefully follow the procedures step by step.

- 1. Change the **Configure Type** to **E1**:
 - a. From **Boards** view, double-click the board to be configured to open the Board Configuration window.
 - b. In the window, click the **Board Configuration** button.
 - c. In the next Board Configuration window, select E1 as the configure type, and click OK.

Board S/N :	137A2TE1S0122	DSP Clock :	200
Physical Id :	4	Logical Id :	2
oard Type —			
Configure T	VDe C1		-
	EI		
	7.1		

Figure 289. The Board Configuration window

- **Important:** When changing from E1 to T1, then back to E1, trunk channel properties and channel group properties will be reset to default values. It is important to make sure the trunk channel properties are configured properly. Continue to follow the steps below to re-check your settings for the physical layer, data link layer and signaling layer.
- 2. In the Board Configuration window, double-click the channel group.

Statistics since: T	'hu 06/2	22/06 10:50:14
Frame Errors:	0	Line Code Errors: 0
OOF Errors:	0	Bit Errors: 0
Rec Frame Slips:	: 0	Xmt Frame Slips: 0
Frame Type		
● <u>N</u> o CRC O	<u>C</u> RC4	С АМІ € НОВЗ
Mo CRC C Zero Code Supp	<u>C</u> RC4	C AMI ⓒ HDB3
	<u>C</u> RC4 ression:	C AMI Image: HDB3 None ▼ Set CD = AB ▼

Figure 290. Physical Layer

Consult your CO for "Frame Type," "Line Code," or "Zero Code Suppression." Do not check the System Clock Master check box because the CO is a clock provider, and the Altigen system is synchronized to the CO. If all configurations are correct, the status should be shown as "OK," as in Figure 290.

3. Click the **Protocol** button in the Channel Group Configuration dialog box to open the Protocol Configuration window.

.H → Type	Span type selection	E1-R2 setting
00 -> System/Data 🔺	E1 CAS	Switch mode :
D1 -> CAS D2 -> CAS	Channel associated signalling	China R2
J3-> CAS 14-> CAS	C Begular ISDN PBI	China R2
D5 -> CAS	D channel is the 16th	Korea R2
17 -> CAS	C Custom ISDN PBI	Mexico R2-DTMF
18 -> CAS	Set D channel NONE	¥
IO -> CAS		Enable PBI Caller Name
11 -> CAS	B Channel	NSE (Network-Specific Eacilities)
3 -> CAS	Logical Interface ID	None
4 -> CAS	Controlled by	Inone
6 -> System/Data	D chan on Board ID	TEI (Terminal endpoint identifier) :
7 -> CAS	Scan ID	C Default setting (Recommended
18 -> LAS	Sparrie I	C Manually set to
20 -> CAS	🗖 <u>E</u> nable Tie Trunk	C Assigned by CO switch
21 -> CAS 🛛 👻		

Figure 291. Data Link Layer

- 4. Select E1 CAS as the Span Type, and select the Switch Mode according to your country in the E1 R2 Setting field, and click OK.
- 5. In the Trunk Configuration window, click the **Trunk Properties** button to open the E1 Channel Configuration window.

E1 Channel Configuration - TritonE1-1@GW00
Channel: 13 T1/E1 robbed-bit <u>Sig</u> naling
Protocol : P2MF CAS Protocol Dialing Delay : 250 ms
- How to collect Caller ID and DID
Set calling party category to : 3
Add extra digits before caller ID :
DID/DNIS 💌 🗶 💌 Caller ID 💌 None 💌 None 💌
🗖 Or:
None 🔻 None 👻 None 👻 None 👻
brcall signaling : (11111116)"(K)31
OK Cancel Apply to

Figure 292. Signaling Layer

- 6. In the E1 Channel Configuration dialog box, configure the following fields:
 - Set Calling Party Category to the Calling Party Category indicates the type of calling party, (for example, operator, pay phone, priority, ordinary subscriber). Select 1, 2 or 3 (for ordinary subscribers, refer to Table on page 426). If the subscribed line is intended for other purposes, contact your CO for the proper value.
 - Add extra digits before caller ID consult your CO to find out if any extra digits are needed.
 - **Incoming sequences** select check box and configure the sequence according to Table on page 426.
 - In-call signaling configure the in-call signaling value according to Table on page 426.

The circled fields in Figure 292 represent values that depend on your country and its corresponding trunk property.

Note: Consult your CO to find out if caller ID digits are provided in the lines.

Signaling Values, By Country

 Table 1.
 Signaling values, by country

Country	Signaling Values
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Chile/Nacional MFC-R2	For 8-digit DID, set to (1111113)6
	[Assume caller ID provided]:
	Incoming sequence (same as above shown): DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36
	Set calling part category: 3
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits):
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1
	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (111113)1
Chine MEC D2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]:
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown):
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits):
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits): For 3-digit DID, set to (116)*(K)31
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits): For 3-digit DID, set to (116)*(K)31 For 4-digit DID, set to (1116)*(K)31
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits): For 3-digit DID, set to (116)*(K)31 For 5-digit DID, set to (1116)*(K)31
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (1111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits): For 3-digit DID, set to (116)*(K)31 For 4-digit DID, set to (1116)*(K)31 For 6-digit DID, set to (11116)*(K)31
China MFC-R2	Incoming sequence: DID/DNIS In-call signaling (depend on how many DID digits): For 3-digit DID, set to (113)1 For 4-digit DID, set to (1113)1 For 5-digit DID, set to (11113)1 For 6-digit DID, set to (111113)1 For 7-digit DID, set to (111113)1 For 8-digit DID, set to (1111113)1 [Assume caller ID provided]: Incoming sequence (same as above shown): DID/DNIS * Caller ID In-call signaling (depend on how many DID digits): For 3-digit DID, set to (1116)*(K)31 For 4-digit DID, set to (11116)*(K)31 For 6-digit DID, set to (11116)*(K)31 For 7-digit DID, set to (111116)*(K)31

Country	Signaling Values
	Set calling part category: 2
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Ostantis MEO DO	For 8-digit DID, set to (1111113)6
Colombia MFC-R2	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
	For 8-digit DID, set to (1111113)6
Ecuador MFC-R2	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36

Country	Signaling Values
Ecuador MFC-LME	Set calling part category: 2
	[The switch doesn't support caller ID transmission]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)1
	For 4-digit DID, set to (1113)1
	For 5-digit DID, set to (11113)1
	For 6-digit DID, set to (111113)1
	For 7-digit DID, set to (1111113)1
	For 8-digit DID, set to (1111113)1
	Set calling part category: 1
	[The switch doesn't support caller ID transmission]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
Korea MFC-R2	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
	For 8-digit DID, set to (1111113)6
	Set calling part category: 2
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)1
	For 4-digit DID, set to (1113)1
	For 5-digit DID, set to (11113)1
	For 6-digit DID, set to (111113)1
	For 7-digit DID, set to (1111113)1
Mexico / Teléfonos de	For 8-digit DID, set to (1111113)1
Mexico	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (116)*(K)31
	For 4-digit DID, set to (1116)*(K)31
	For 5-digit DID, set to (11116)*(K)31
	For 6-digit DID, set to (111116)*(K)31
	For 7-digit DID, set to (1111116)*(K)31
	For 8-digit DID, set to (11111116)*(K)31

Country	Signaling Values
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Panamá / Nacional MFC-	For 8-digit DID, set to (1111113)6
R2	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (1111115)*(K)36
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Venezuela / Nacional	For 8-digit DID, set to (1111113)6
MFC-R2	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36

Country	Signaling Values
	Set calling part category: 3
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)1
	For 4-digit DID, set to (1113)1
	For 5-digit DID, set to (11113)1
	For 6-digit DID, set to (111113)1
	For 7-digit DID, set to (1111113)1
China MEC P2	For 8-digit DID, set to (1111113)1
	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (116)*(K)31
	For 4-digit DID, set to (1116)*(K)31
	For 5-digit DID, set to (11116)*(K)31
	For 6-digit DID, set to (111116)*(K)31
	For 7-digit DID, set to (1111116)*(K)31
	For 8-digit DID, set to (11111116)*(K)31
	Set calling part category: 2
	[Assume no caller ID provided] :
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Colombia MEC P2	For 8-digit DID, set to (1111113)6
	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (1111115)*(K)36

Country	Signaling Values
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Foundar MEC D2	For 8-digit DID, set to (1111113)6
Ecuador MFC-RZ	[Assume caller ID provided] :
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36
	Set calling part category: 2
	[The switch doesn't support caller ID transmission]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)1
Ecuador MFC-LME	For 4-digit DID, set to (1113)1
	For 5-digit DID, set to (11113)1
	For 6-digit DID, set to (111113)1
	For 7-digit DID, set to (1111113)1
	For 8-digit DID, set to (11111113)1
	Set calling part category 1
	The switch doesn't support caller ID transmission]
	Incoming sequence: DID/DNIS
	In call signaling (depend on how many DID digits):
	For 3 digit DID, sot to (113)6
Korea MFC-R2	For 4 digit DID, set to (1113)6
	For 5 digit DID, set to (1113)6
	For 5-aigit DID, set to (11113)0
	For o-aigit DID, set to (111113)0
	For 7-algit DID, set to (1111113)6
	For 8-aigit DID, set to (11111113)6

Country	Signaling Values
	Set calling part category: 2
	[Assume no caller ID provided] :
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)1
	For 4-digit DID, set to (1113)1
	For 5-digit DID, set to (11113)1
	For 6-digit DID, set to (111113)1
	For 7-digit DID, set to (1111113)1
Mexico / Teléfonos de	For 8-digit DID, set to (1111113)1
Mexico	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (116)*(K)31
	For 4-digit DID, set to (1116)*(K)31
	For 5-digit DID, set to (11116)*(K)31
	For 6-digit DID, set to (111116)*(K)31
	For 7-digit DID, set to (1111116)*(K)31
	For 8-digit DID, set to (11111116)*(K)31
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits) :
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Panamá / Nacional MFC-	For 8-digit DID, set to (1111113)6
R2	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36

Country	Signaling Values
	Set calling part category: 1
	[Assume no caller ID provided]:
	Incoming sequence: DID/DNIS
	In-call signaling (depend on how many DID digits):
	For 3-digit DID, set to (113)6
	For 4-digit DID, set to (1113)6
	For 5-digit DID, set to (11113)6
	For 6-digit DID, set to (111113)6
	For 7-digit DID, set to (1111113)6
Venezuela / Nacional	For 8-digit DID, set to (1111113)6
	[Assume caller ID provided]:
	Incoming sequence (same as above shown):
	DID/DNIS * Caller ID
	In-call signaling (depend on how many DID digits) :
	For 3-digit DID, set to (115)*(K)36
	For 4-digit DID, set to (1115)*(K)36
	For 5-digit DID, set to (11115)*(K)36
	For 6-digit DID, set to (111115)*(K)36
	For 7-digit DID, set to (1111115)*(K)36
	For 8-digit DID, set to (11111115)*(K)36

E1 ISDN PRI Installation

This section describes the configuration procedures necessary to implement E1 ISDN PRI signaling for European, Pacific Rim, and other emerging markets. Please carefully follow the procedures step by step.

- 1. Change the **Configure Type** to **E1**:
 - a. From **Boards** view, double-click the board to be configured to open the Board Configuration window.
 - b. In the next window, click the **Board Configuration** button.
 - c. In the next configuration window, select E1 as the configure type and click OK.

Board S/N :	137A2TE1S0122	DSP Clock :	200
Physical Id :	4	Logical Id :	2
ard Type			
Configure 1	ype F1		T
	E1		
	T1		

Figure 293. The Board Configuration window

- **Important:** When changing from E1 to T1, then back to E1, channel group properties will be reset to default values. It is important to make sure the channel group properties are configured properly. Follow the steps below to re-check your settings for the physical layer and data link layer.
- 2. In the Board Configuration window, double-click the channel group.

atus: JUK Statistics since: Thu 06/22/06 10:50:14 Frame Errors: 0 Line Code Errors: 0 00F Errors: 0 Bit Errors: 0 Rec Frame Slips: 0 Xmt Frame Slips: 0	6/22/06 10:50:14 Line Code Errors: 0 Bit Errors: 0 Xmt Frame Slips: 0 Clear Line Code C AML C HDB	us: JUK tatistics since: Thu 06/22/06 10:50:14 rame Errors: 0 Line Code Errors: 0 10F Errors: 0 Bit Errors: 0 tec Frame Slips: 0 Xmt Frame Slips: 0 <u>Clear</u> ame Type No CRC C <u>C</u> RC4 C <u>A</u> MI C <u>H</u> DB3	an. o 			
ODF Errors: 0 Line Code Errors: 0 000F Errors: 0 Bit Errors: 0 Rec Frame Slips: 0 Xmt Frame Slips: 0	Line Code Errors: 0 Sit Errors: 0 Xmt Frame Slips: 0 Line Code	Attractics since: Thu 05/22/06 T0:50:14 rame Errors: 0 IOF Errors: 0 Bit Errors: 0 Note Frame Slips: 0 Arme Type Line Code No CRC CRC4	itus: IDK		0105014	
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Frame Type Line Code			Frame Type	CRC4	Line Code	<u>C</u> lear
Eelo code suppression. Intone	on: None 💌					-

Figure 294. Physical Layer

Consult your CO for "Frame Type," "Line Code," or "Zero Code Suppression." Do not check the System Clock Master check box because the CO is a clock provider, and our system is synchronized to the CO. If all configurations are correct, the status should be shown as "OK," as in Figure 294.

- 3. Click the **Protocol** button in the Channel Group Configuration dialog box to open the Protocol Configuration window.
- 4. Select **Regular ISDN PRI** as the Span Type, and select the Switch Mode according to your country in the **ISDN PRI Setting** field, and click **OK**.

00 > System/Data C E1 CAS 01 > B Channel Channel associated signalling 03 > B Channel Channel associated signalling 03 > B Channel Channel associated signalling 03 > B Channel Channel associated signalling 05 > B Channel D channel is the 16th 05 > B Channel C Lustom ISDN PRI 05 > B Channel Set D channel 05 > B Channel C Lustom ISDN PRI 05 > B Channel Set D channel 11 > B Channel Set D channel 12 > B Channel B Channel 13 > B Channel B Channel 15 > B Channel Controlled by 15 > D Channel D chan on Board ID 17 > B Channel Span ID	- ISDN PRI setting
01 > 8 Channel Channel associated signalling 02 > 8 Channel Channel associated signalling 03 > 8 Channel Channel associated signalling 04 > 8 Channel Channel associated signalling 05 > 8 Channel Channel is the 16th 05 > 8 Channel Custom ISDN PRI 05 > 8 Channel Custom ISDN PRI 03 > 8 Channel Set D channel 03 > 8 Channel Set D channel 10 > 8 Channel Set D channel 13 > 8 Channel Logical Interface ID 13 > 8 Channel Controlled by 15 > 8 Channel D chan on Board ID 17 > 8 Channel Span ID	Switch mode :
12 > 8 Channel Channel associated signaling 23 > 8 Channel	ETSI NETS PRI
30 > B Channel Image: Book and the second	
05 > 8 Channel D channel is the 16th 06 > 8 Channel D channel is the 16th 07 > 8 Channel C Lustom ISDN PRI 08 > 8 Channel Se the channel 09 > 8 Channel Se the channel 12 > 8 Channel B Channel 13 > 8 Channel Logical Interface ID 15 > 8 Channel Logical Interface ID 15 > 8 Channel D channel 15 > 8 Channel D channel 16 > 9 Channel D channel 13 > 8 Channel Logical Interface ID 16 > 0 Channel D chan on Board ID 17 > 8 Channel Span ID	ICDN Numbering Plan
06 > 8 Channel C	ison numbering Plan
07 > 8 Channel Custom ISDN PRI 08 > 8 Channel Set <u>D</u> channel 10 > 8 Channel Set <u>D</u> channel 11 > 8 Channel B Channel 12 > 8 Channel B Channel 13 > 8 Channel Logical Interface ID 14 > 8 Channel Controlled by 15 > D Channel D chan on <u>B</u> oard ID 17 > 8 Channel Span ID	B Channel Maintenance Message
U8 > 8 Channel Set <u>D</u> channel U8 > 8 Channel Set <u>D</u> channel U8 > 8 Channel B Channel U8 > 8 Channel B Channel U8 > 8 Channel B Channel U8 > 8 Channel Logical Interface ID U8 > 8 Channel Controlled by U8 > 8 Channel D chan on <u>B</u> oard ID U7 > 8 Channel Span ID	
So & D Channel So E Channel 11 > B Channel B Channel 12 > B Channel Logical Interface ID 13 > B Channel Logical Interface ID 14 > B Channel Controlled by 15 > D Channel D chan on Board ID 17 > B Channel Span ID	Restart 🗾
B Channel B Channel 12 > B Channel Logical Interface ID 13 > B Channel Logical Interface ID 13 > B Channel Logical Interface ID 15 > B Channel Controlled by 16 > D Channel D chan on Board ID 17 > B Channel Span ID	
12 -> B Channel Logical Interface ID 13 -> B Channel Logical Interface ID 14 -> B Channel Controlled by 15 -> B Channel D chan on Board ID 17 -> B Channel D chan on Board ID 18 -> B Channel Span ID	I ✓ Enable PRI Caller Name
13 > B Channel	NSF (Network-Specific Facilities):
14 > 8 Channel Controlled by 15 > 9 Channel D chan on Board ID 17 > 8 Channel D chan on Board ID 18 > D Channel Span ID	None
IS > B Channel Controlled by 16 > D Channel D chan on <u>B</u> oard ID 17 > B Channel Span ID 18 > B Channel Span ID	
17 -> B Channel D chan on <u>Board ID</u> 18 -> B Channel S <u>p</u> an ID	TEI (Terminal endpoint identifier) :
18 -> B Channel Sgan ID	Default setting (Recommended)
	C. Manually set is
19 -> B Channel	Manually set to j
20 -> B Channel	C Assigned by CO switch

Figure 295. Data Link layer

What you should select in the **B Channel Maintenance Message** list depends on what country you reside in (see Table 2 on page 435).

Protocol/B Channel Maintenance Message Settings, By Country

Country	Protocol Supported	B Channel Maintenance Message Setting
Argentina	ETSI	Restart
Australia	Austel TS014, ETSI	Restart
Belgium	ETSI	Restart
Brazil	ETSI	Restart
China, HK	ETSI	Restart
Czech	ETSI	Restart
France	ETSI, VN4	None
Germany	ETSI	Restart
Greece	ETSI	Restart
Italy	ETSI	Restart
Japan	NTT INS1500	Restart
Korea	ETSI	None
Macedonia	ETSI	Restart
Mexico	ETSI	Restart
Netherlands	ETSI	Restart
Nordic	ETSI	Restart
Poland	ETSI	Restart
Russia	ETSI	Restart
Saudi Arabia	ETSI	Restart
Singapore	ETSI	Restart
South Africa	ETSI	Restart
Spain	ETSI	Restart
Taiwan	Bellcore, ETSI	None
Thailand	ETSI	Restart
UK	ETSI (for DASS II/DPNSS)	Restart
UK, Ireland	ETSI, British Telecom ISDN 30	None
USA	Bellcore TR 1268	Restart and Service
USA, Canada	AT&T TR 41449/41459	Restart

Table 2. Protocol & B Channel Maintenance Message Setting, by Country

436 MaxCS E1-R2 and E1 ISDN PRI Installations