

System Administration Support

This chapter lists special considerations for running the system software in the Netherlands. The following information supersedes the information in the *Cisco VCO/4K System Administrator's Guide*.

Database Administration

The following special considerations pertain to database administration:

- The database table functions on the Database Administration menu support the E1-CAS card.
- The system software displays the TeleRouter Routing Table Summary, ISDN Supervision Templates, and ISDN Message Templates menu options regardless of whether the optional packages are installed. If you choose an option that is not installed, a message reports this fact.
- The Card Summary menu displays the status and port availability of the E1 cards. To assign operating characteristics to individual E1 cards, access the Trunk Card Configuration screen from the Card Summary menu.
- To optimize system performance, group E1 ports into one or more resource groups.

Wink Functionality

The ALS70D signaling states Send Number and Number Sent are implemented through the VCO/4K Wink functionality. The impulse rule tokens WINK ENAB and WINK NOW, and the outpulse rule token WAIT SUP W, are used to support these states in ALS70D signaling.

Firmware and Software Requirements

ALS70D was developed for the Single Span E1-CAS interface card and requires the appropriate firmware. Table 1-1 and Table 1-2 list the firmware and software requirements that are specific to the Netherlands. For a list of hardware and firmware requirements that are common to all systems, refer to your system software release notes.

Table 1-1 V3.3 Netherlands—Software Requirements

Part Number	Option	Generic	File Name	Chk. Sum	Version
42008150133	Country Feature Package	3.3 FSR 01	CPA.DWN	316AD6	8.82

*(DRAFT LABEL) ALPHA DRAFT - CISCO CONFIDENTIAL**Table 1-2 V3.3 Netherlands Configurator—Firmware*

Card Part No.	Card Type	FW Part #	FW Rev.	Chk. Sum	FW Vers.	Loc.	Description
50119080222	DTG	40020900033	OAR	F683	1.01	U2	DTG FW
		40020800033	OAR	87EF	1.00	U54	Tone Odd
			OAR	8452	1.00	U53	Tone Even
		60001700000	OCR	E3CC	LP87	U36	Map PROM 0
		60001800000	OCR	CCE8	LP88	U37	Map PROM 1
50156080222	DRC (8)	40006600000	OAR	C852	5.21	U2	DRC FW
50207080833	E1-CAS/ ALS70D	40020700033	OAR	151C	2.05	U23	E1-CAS ALS70D
		40014400024	OCR	1E78	1.04	U85	CAS PROC
		40012000000	OAR	CDDE	1.00	U113	32 Chan setup
		40012500000	ODR	11D2	1.02	U45/ U53	Gain/Law PROM

Maintenance

From the Card Maintenance menu, you can add, delete, and change the card/port status for E1 cards. When an E1 card is displayed, ports 1 and 17 of the card's 32 ports are deactivated. Port 1 (Channel 0) carries the frame alignment pattern, remote alarm indication bit, and national-use bits. Port 17 (Channel 16) carries the multiframe alignment pattern, extra bits, and channel-associated signaling bits.



Note

Special E1 cards are required to reactivate Port 17 for 31B support.

From the Master Timing Link Selection screen, you can select the system digital trunk timing source. Additionally, you can select the Rack, Level and Slot (R-L-S) hardware address of either a T1, ISDN or E1 card to provide incoming synchronization clocking. The T1 Synchronization Control (\$C0 02) command provides the same functionality. All digital cards (regardless of type) synchronize to the same timing source.

Diagnostics

The Card Display and Port Display screens list the operating status of E1 cards; information on the Card Display screen varies according to card type. The Port Display screen lists the processing states, rule processing, links, paths, and digit collection activity of E1 cards.

The Test Port Card function tests individual E1 channels. The system compares the signals sent with the signals received and reports discrepancies. You can test all channels on an E1 card with one command.

You can select the E1 card for port card diagnostic tests. The E1 card enters a local loopback mode during the test and sends out a pattern consisting of all 1s (ones).