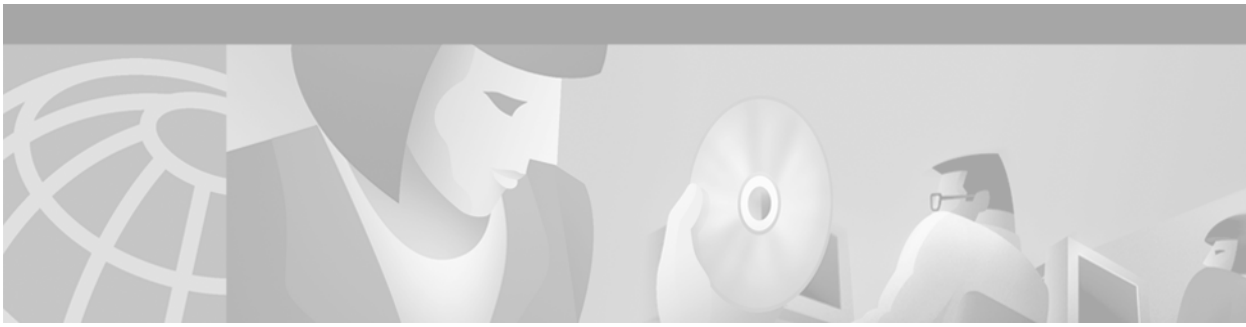

Preface

Objective

The *Cisco VCO/4K System Messages* document contains a complete listing of all messages associated with the Cisco VCO/4K system software and optional software products. System messages are sent to the master console's system messages area, system printer, and the system log file (C:/log).

Audience

This document is intended for all personnel using VCO/4K system administration functions.

Document Organization

This document is organized as follows:

Chapter 1, "Alarm Condition Messages," lists alarm condition messages that may be present on the system.

Chapter 2, "Call Record Processing Messages," lists start call and end call record processing error messages.

Chapter 3, "Database Administration Messages," lists error, warning, user activity, and system condition messages associated with the VCO/4K system administration's Database Administration menu options.

Chapter 4, "Diagnostic Messages," lists user activity and system condition messages associated with the VCO/4K system administration's Diagnostic menu options.

Chapter 5, "Fault Recovery and Maintenance Messages," lists system processing messages.

Chapter 6, "Host Manager Messages," lists host link and internal overlay messages.

Chapter 7, "Peripheral Manager Messages," lists system peripheral status messages.

Chapter 8, "Redundant System Error and Status Messages," lists system controller redundancy and update channel processing messages.

Chapter 9, "TeleRouter Processing Messages," lists system error messages associated with call routing.

Chapter 10, "Signaling System No. 7 Messages," lists error and status messages associated with American National Standards Institute/International Telecommunication Union (ANSI/ITU) and Integrated Services Digital Network User Part (ISUP) applications.

Chapter 11, “System Administration and Miscellaneous Messages,” alphabetically lists error, warning, and prompt messages associated with general system administration.

Documentation Conventions

This document uses the following convention:

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

Related Documentation

The messages contained in this document may be encountered while using the following documents:

- *Cisco VCO/4K System Administrator’s Guide*
- *Cisco VCO/4K Software Installation Guide*
- *Cisco VCO/4K ISDN Supplement*
- *Cisco VCO/4K Ethernet Guide*
- *Cisco VCO/4K System Software Version 5.1(n) Release Notes*
- *Cisco VCO/4K Tone Plan Release Notes*
- *Cisco VCO/4K TeleRouter Reference Guide*
- Applicable SS7 ANSI, ITU, and ISUP supplements
- Applicable tone plan supplements

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Technical Assistance Center

The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website:

http://www.cisco.com/tac

P3 and P4 level problems are defined as follows:

- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for Cisco.com, go to the following website:

http://www.cisco.com/register/

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at the following website:

http://www.cisco.com/tac/caseopen

Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to the following website:

http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.

CHAPTER 1

Alarm Condition Messages

Alarm condition (ALM) messages describe alarm conditions that may be present on the system. ALM messages are found within fault recovery and maintenance (FRM) messages—specifically, FRM500 through FRM521. FRM messages describe the alarm severity and the source of the alarm. Refer to Chapter 5, “Fault Recovery and Maintenance Messages” for a description of FRM messages.

ALM messages are described in the following manner:

`ALMnnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

ALM Messages

`ALM001: Insufficient Timed IPC Memory`

Explanation The system encountered an internal memory allocation error.

Action If this is a repeating condition which causes disruption to call processing, switch to the standby side and reboot the controller experiencing the problem.

`ALM002: Network Manager Failure`

Explanation The Network Manager subsystem failed to respond to sanity poll requests. This is a fatal alarm condition; a system reboot is imminent. All call processing will stop. The system will reboot automatically.

Action If the condition persists, check for possible hardware problems.

ALM003: Host Manager Failure

Explanation The Host Manager subsystem failed to respond to sanity poll requests. No host commands can be processed or reports generated by the system. All call processing will stop.

Action If the Host Manager subsystem does not recover and reestablish host connectivity automatically, switch to the standby side and reboot the controller experiencing the problem.

ALM004: Redundancy Manager Failure

Explanation The Redundancy Manager subsystem failed to respond to sanity poll requests. The update channel cannot maintain file synchronization between the active and standby controllers. Switch redundancy will be lost.

Action Reboot the switch. If problems continue, check for possible hardware problems.

ALM010: Host Communications Failure

Explanation A single host link failed. This message is preceded by an HST (Host Manager) message identifying the link and the condition that caused the failure. Call processing by the affected host will stop.

Action Identify the problem with the host connection. Examine the host system for problems. Check all physical host connectivity.

ALM011: No Hosts Available

Explanation All configured host links have failed (ADLC serial connections and Ethernet sockets). No host commands can be processed or reports generated by the system. Call processing will stop.

Action Identify the host connectivity problem. Check the host system for problems. Check all physical host connectivity.

ALM012: ADLC Sub-System Failure

Explanation The ADLC driver under the Host Manager failed to respond to a system sanity test. All serial input/output (SIO) ADLC links have failed. Call processing will stop for the affected serial host connections.

Action If the problem persists, switch to the standby side and reboot the controller experiencing the problem.

ALM013: Ethernet Sub-System Failure

Explanation The Ethernet communications subsystem under the Host Manager failed to respond to a system sanity test. All Ethernet socket connections have failed. Call processing will stop for all hosts connected via Ethernet.

Action If the problem persists, switch to the standby side and reboot the controller experiencing the problem.

ALM014: Overlay Sub-System Failure

Explanation The overlay subsystem controlling TeleRouter operation failed to respond to a system sanity test. The TeleRouter overlay can no longer perform routing actions. Call processing by TeleRouter will stop.

Action If the problem persists, switch to the standby side and reboot the controller experiencing the problem.

ALM015: Resource Group Limitation Pending

Note This alarm is generated under the following circumstances—TeleRouter is defined and no hosts are defined (as seen in the system administration Host Configuration screen) in the VCO/4K system.

Explanation Seventy-five percent or more of the ports in a resource group were busied (resource is unavailable), either via card administration or by the auto make-busy function. A resource limitation alarm is pending due to this condition. This alarm condition is cleared once fifty percent or more of the ports in the affected resource group return to service. There is no immediate effect on call processing.

Action If call volume is anticipated to rise significantly, more of the affected resource type should be added to the system.

ALM016: Resource Group Limitation Exists

Note This alarm is generated under the following circumstances—TeleRouter is defined and no hosts are defined (as seen in the system administration Host Configuration screen) in the VCO/4K system.

Explanation No ports are available in a resource group. This alarm condition is set when a Resource Limitation ($D6) report is received from the VCO/4K. This alarm condition is cleared after three successful hunts from the affected resource group. Call processing requiring the affected resource type will be inhibited.

Action If call volumes are expected to continue at high levels, more of the affected resource type should be added to the system.

ALM017: Internet Host Ping Failure

Explanation A host that is configured for ping processing (from the Host Configuration screen) is not responding to the pings from the system. Call processing by the affected host will probably stop.

Action Check the host connections.

ALM020: Start Record Exhaust

Explanation The system is unable to assign memory space marking the start record portion of a call record. In most cases, this is a call just starting and the incoming port is presented with a reorder tone. This also may occur for an outgoing port added to a conference. The host must take action for the port. The host receives the command returned with a network status byte value of $29. The affected call will not be processed.

Action Call volume is at or near maximum capacity. Once call volume is reduced, start records should be available.

ALM021: End Record Exhaust

Explanation The system is unable to assign memory space marking the start record portion of a call record. In most cases, this is a call just starting and the incoming port is presented with a reorder tone. This also may occur for an outgoing port added to a conference. The host must take action for the port. The host receives the command returned with a network status byte value of $29. The affected call will not be processed.

Action Once call volume is reduced, end records should be available.

ALM022: D-channel pool exhaust

Explanation Call volume is at or near maximum capacity. The system is unable to allocate memory for the D-channel from the D-channel message pool.

Note No indication of this situation is sent to the host. The call which caused this message may fail to complete.

Action Once call volume is reduced, memory should be available for storing D-channel messages.

ALM023: NBC Does Not Respond

Explanation The initialization task recognized but failed to reset the NBC/NBC3 as part of the system boot process. The system will not initialize.

Action Remove and reseat the NBC/NBC3. Remove and reseat the Combined Controller which houses the SWI card. Reset the system. If the problem persists, replace the NBC/NBC3 and/or SWI/Combined Controller assembly.

ALM024: NBC DMA Output Failure

Explanation An error was detected during a transmit attempt to the NBC. This is a fatal alarm condition; a system reboot is imminent. All call processing will stop.

Action The system will reboot automatically. If the problem persists, replace the NBC/NBC3 and/or SWI/Combined Controller assembly.

`ALM025: CP Transmit Overrun`

Explanation The active system controller overran the NBC/NBC3 due to heavy call load conditions or a processing fault on the NBC. This is a critical alarm condition that may be escalated to a fatal condition. Call processing may be interrupted or will stop if the condition becomes fatal.

Action Remove and reseat the NBC/NBC3. Remove and reseat the Combined Controller which houses the SWI card. Reset the system. If the problem persists, replace the NBC/NBC3 and/or SWI/Combined Controller assembly.

`ALM026: No NBC in System`

Explanation System initialization failed to detect the presence of an NBC/NBC3 card. The system controller associated with the missing NBC/NBC3 can still run as a standby but is unable to perform normal call processing.

Action Ensure that an NBC/NBC3 card is properly installed in the system.

`ALM027: NBC Failure`

Explanation A system disruptive failure of the NBC/NBC3 occurred. This is a fatal alarm condition; a system reboot is imminent. Call processing will stop. The system reboot will cause a switch to the standby side.

Action If the problem persists after the system reboot, replace the NBC/NBC3.

`ALM028: NBC Loss of Internal Sync.`

Explanation The system cannot synchronize using internal clocking. Loss of synchronization will cause PRI and T1/E1 spans to begin slipping.

Action If the system has Incoming spans defined as Master Timing Links, switch to one of the incoming links. Observe that the NBC synchronizes to the Incoming Reference. If problems persist, replace the NBC/NBC3.

`ALM029: NBC Comm. Bus Failure`

Explanation The internal packet communications bus between the NBC/NBC3 and other cards in the system failed. Call processing and system management activities may be interrupted.

Action This fault is normally self-correcting. The message may briefly appear several times until normal processing on the communication bus is established.

`ALM030: No Tone Card in System`

Explanation No DTG card came into service. This is a fatal alarm condition; a system reboot is imminent. The system will not initialize.

Action Ensure that a DTG card is properly installed in the system.

`ALM031: Rack 1, Level 2 Failure`

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

`ALM032: Rack 1, Level 3 Failure`

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

`ALM033: Rack 2, Level 0 Failure`

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

`ALM034: Rack 2, Level 1 Failure`

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

`ALM035: Rack 2, Level 2 Failure`

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

ALM036: Rack 2, Level 3 Failure

Explanation The BRC for the specified rack is defined in the database but the BRC at the location is out-of-service. Communications with the specified subrack will stop.

Note The BRC card is not used in VCO/20 or VCO/4K systems.

Action Check the status of the BRC pairs.

ALM037: Redundant Controller Failure

Explanation In a redundant system, the redundant controller failed. The system is no longer redundant.

Action Identify the cause of the redundant controller failure. Replace the failed controller.

ALM038: PRI D-Channel Failure

Explanation A PRI D-channel failure was detected or cleared. This message is followed by an FRM indicating the card for which the condition is being reported. Call setup and management via the affected D-channel will stop.

Action If the condition persists, investigate possible path problems. Swap the PRI/N, ICC, or I/O modules as appropriate.

ALM039: PRI/T1/E1 Carrier Lost

Explanation Loss of a T1/E1 carrier was detected for at least one T1/E1 card in the system. The system attempts to synchronize with the internal clock only if the alarm is for the primary or secondary timing source and the other is unavailable. Calls on the affected T1/E1 span will be lost.

Action If the condition persists, investigate possible path problems. Swap the T1/E1 or ICC card, or the I/O module as appropriate.

ALM040: PRI/T1/E1 Card Failure

Explanation A PRI or T1/E1 card failed with loss of all its channels. Calls on the affected card will be lost.

Action Try to reset the card. If problems persist, replace the affected PRI/T1/E1 or ICC card as appropriate.

ALM041: PRI/T1/E1 Remote Alarm

Explanation An alarm condition was detected at the remote end of a PRI/T1/E1 span connected to a PRI or T1/E1 card. Calls on the affected span will be lost.

Action Try to reset the card. Check for path problems. Replace the affected PRI/T1/E1 card or ICC as appropriate.

`ALM042: PRI/T1/E1 Out-Of-Frame`

Explanation An out-of-frame (OOF) condition was detected at a PRI or T1/E1 card. The OOF threshold counter was increased but not exceeded. Calls on the affected span will probably experience noise.

Action OOF conditions can occur as a result of timing differences between the two ends of the span. Ensure that reliable timing is being used for the affected span. Check for possible path disturbances. Replace the affected PRI/T1/E1 or ICC card as appropriate.

`ALM043: PRI/T1/E1 Signaling Bit Alarm`

Explanation A signaling bit error was detected at a PRI or T1/E1 card. A card alarm was also set. Incorrect signaling may occur, causing faulty call processing.

Action If the problem persists, reset the card. Check for possible path problems. Replace the affected PRI/T1/E1 or ICC card as appropriate.

`ALM044: PRI/T1/E1 Slip Maint. Threshold`

Explanation The number of PRI or T1/E1 slips counted exceeds the number allowed for the system (256). The slip maintenance limit alarm is set. Slips will cause noticeable noise on calls.

Action If slips are occurring at a rate high enough to reach the 256 slip system threshold, investigate possible timing problems. Ensure reliable timing is being used for the affected span. Reset the card. Replace the affected PRI/T1/E1 or ICC card as appropriate.

`ALM045: PRI/T1/E1 OOF Maint. Threshold`

Explanation The system threshold limit for out-of-frame (OOF) occurrences was exceeded by a PRI or T1/E1 card. The card is placed in maintenance mode. If the card serves as the master timing link, the system attempts to resynchronize itself to another incoming link or to the internal reference source. Calls on the affected span will be lost.

Action The card alarm for OOF maintenance limit remains set until the card is reset.

`ALM046: PRI/T1/E1 BPV Maint. Threshold`

Explanation The system threshold limit for bipolar violation (BPV) conditions was exceeded for a PRI or T1/E1 card. The card is placed in maintenance mode. If the card serves as the master timing link, the system attempts to resynchronize itself to another incoming link or to the internal reference source. Calls on the affected span will be lost.

Action The card alarm for BPV maintenance limit remains set until the card is reset.

ALM047: Loss Of All Call Progress Analyzers

Explanation Although CPA cards or CPA resources on an SPC card are defined in the database, there are no active CPA cards available in the CPA resource group. The last or only active CPA in the system is out-of-service or was removed from service via system administration. Calls requiring call progress tone detection cannot be processed.

Action Ensure that active CPA resources are available in the CPA resource group.

ALM049: Loss Of All MF Receivers

Explanation Although MRC cards or MFR resources on the SPC card are defined in the database, there are none available in the MRC resource group. The last or only active MRC or MFR resource in the system is out-of-service or was removed from service via system administration. Calls requiring MF receiver service cannot be processed.

Action Ensure that active MF receiver resources are available in the MF receiver resource group.

ALM050: Loss Of All DTMF Receivers

Explanation Although DRC cards or DTMF resources on the SPC card are defined in the database, there are none available in the DTMF resource group. The last or only active DRC or DTMF resource in the system is out-of-service or was removed from service via system administration. Calls requiring DTMF receiver service cannot be processed.

Action Ensure that active DTMF receiver resources are available in the DTMF receiver resource group.

ALM051: Loss Of Announcement Capability

Explanation The system is not equipped with an active, downloaded DVC or IPRC card in the IPRC resource group. Commands or inpulse rules which require voice prompts cannot be processed.

Action Ensure that active voice prompt resources are available in the IPRC resource group.

ALM052: Card Failure In System

Explanation A noncritical card failure was detected in the system; a single- or multi-span network card, or a service circuit card, went into the out-of-service (OOS) state, as viewed from the Card Maintenance or Card Summary screen. The card is OOS and unavailable for use in processing calls.

Action Identify the reason for the OOS condition.

ALM053: Fatal Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command (setting a fatal alarm) was received from the host.

Action None required.

ALM054: Critical Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command (setting a critical alarm) was received from the host.

Action None required.

ALM055: Major Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command (setting a major alarm) was received from the host. Major alarm LED is illuminated on the AAC. Alarm relay contacts for major alarm are closed.

Action None required.

ALM056: Minor Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command (setting a minor alarm) was received from the host. Minor alarm LED is illuminated on the AAC. Alarm relay contacts for minor alarm are closed.

Action None required.

ALM057: Aux-1 Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command was received from the host which instructs the system to set the Aux 1 alarm. At the time of this report, the alarm is set. The Aux1 alarm LED is illuminated on the AAC. Alarm contacts for Aux1 alarm are closed.

Action The host application determines the action.

ALM058: Aux-2 Host Alarm

Explanation A Set/Reset Host Alarms ($C0 03) command was received from the host which instructs the system to set the AUX 2 alarm. At the time of this report, the alarm is set. The Aux2 alarm LED is illuminated on the AAC. Alarm contacts for Aux2 alarm are closed.

Action The host application determines the action.

ALM059: NFAS D-channel Failure

Explanation An NFAS group with four or more cards has no active D-channel. Call processing for the NFAS group will stop.

Action Identify the cause of the D-channel failure. Replace the PRI/ICC card with the affected PRI span.

ALM060: Loss Of All MFCR2 Transceivers

Explanation Although MFCR2 cards or MFR2 resources on the SPC card are defined in the database, there are none available in the MFCR2 resource group. The last or only active MFCR2 or MFR2 resource in the system is out-of-service or was removed from service via system administration. Calls requiring MFCR2 receiver service cannot be processed.

Action Ensure that active MFCR2 resources are available in the MFCR2 resource group.

ALM061: T1/E1 Blue Alarm

Explanation An unframed all ones signal has been detected. The blue alarm is sent to the far end when the span is not ready for service. When the span is configured and the system is ready to receive calls, the blue alarm is removed. Call processing is inhibited.

Action Ensure that the T1/E1 span is active. Identify any problem. Replace the T1/E1/ICC card as necessary.

ALM062: Loss Of All Subrate Functions

Explanation The Subrate Switching Card (SSC) is out-of-service (OOS). In a redundant system, both SSCs are OOS. Calls carried on the SSC are lost.

Action Identify the source of the OOS state, and bring back into service. Once brought back into service, the alarm will clear.

ALM063: Loss of Subrate Redundancy

Explanation Displays in redundant systems only. One of the Subrate Switching Cards (SSCs) is out-of-service (OOS). Calls carried on the OOS SSC are lost.

Action Identify the source of the OOS state, and bring back into service.

ALM064: Subrate Timeslot Threshold

Explanation The number of subrate time slots, which you configured from the Subrate Configuration screen, has been reached. No additional time slots can be configured.

Action Access the Subrate Configuration screen and reconfigure the time slot threshold.

ALM065: Subrate Timeslot Exhausted

Explanation All subrate time slots are in use. No additional calls can be carried by the SSC cards.

Action Reconfigure the switch to allocate more time slots.

ALM066: All Ports on Card Deactivated

Explanation The Enable All Ports Deactivated Alarm feature is enabled on the System Feature Configuration screen and all the ports on the PRI/N card are deactivated. No calls will be processed.

Action Take appropriate steps to identify the reason for all ports being deactivated and reactivate the ports.

ALM071: Wrong Hardware Installed

Explanation Incompatible hardware is installed in your system. For example, an ICC T1 I/O module may be connected to an ICC E1 card. This message pertains only to the ICC and SPC. The T1/E1/PRI spans will not activate. No calls can be processed.

Action Identify the problem with the installed hardware. Replace hardware as necessary to restore operation of the affected ICC.

ALM072: Interface Hardware Failure

Explanation Two possible scenarios exist for the receipt of this message. The first scenario indicates that one or more spans have been added to the database without the associated card(s) activated. The second scenario indicates that a single span or service engine has failed on the ICC or SPC—call processing stops on the affected hardware.

Action For the first scenario, activate the associated cards. For the second scenario, replace the failing hardware.

ALM073: Module Hardware Failure

Explanation All spans or service engines have failed on the ICC I/O module or SPC SRM. Call processing stops on the affected hardware.

Action Replace the failing hardware.

ALM074: Loss of All SPC OUTPULSERS

Explanation Although SPC outpulse cards are defined in the system, there are none available in the SPC outpulse resource groups. The last or only active SPC outpulse card(s) in the system is out-of-service (OOS) or was removed from service via system administration. Calls requiring SPC outpulse digit service cannot be processed.

Action Change the OOS SPC to in service.

ALM075: No SPC Static Tone In System

Explanation SPC-TONE span(s) is defined in the system, but available; span(s) is out-of-service (OOS).

Action Access system adminstration and change an OOS SPC-TONE span to in service. Refer to *Cisco VCO/4K System Administrator's Guide* for more information.

ALM076: Incoming Timing Changed to Internal

Explanation The system software changed the timing source to backup because the NBC3 lost synchronization with the incoming timing source. The backup timing source was also not available, or it failed to synchronize, and the system software changed the timing source to internal. An Alarm Condition ($F0) report is sent to the host with an alarm code of $4C.

Action Analyze the contents of alarm code $4C to verify the reason for the change in timing source. Refer to *Cisco VCO/4K Extended Programming Reference* for more information. Access the Master Timing Link Selection screen to change the timing source to incoming, if needed. Refer to *Cisco VCO/4K System Administrator's Guide* for further information.

ALM077: ICC Card Congestion Alarm

Explanation This message, which appears on the System Alarms Display screen and in the system log file, indicates when an Interface Controller Card is reset. The alarm is minor and does not change the status of the ICC; however, if the host has control of the ports on the congested span, stop sending new calls to the span listed in the Alarm Condition ($F0) report's R-L-S information. The alarm is cleared after the ICC returns to a normal volume of traffic for 30 seconds.

Action None required.

ALM078: Loss of All CONFERENCE ports

Explanation Although conference cards are defined in the system, there are none available in the conference resource group. The last or only active conference card in the system is out of service or was removed from service via system administration. Calls requiring conference card service cannot be processed.

Action Use the system administration screens to bring a conference card in service.

ALM080: Update Channel Failure

Explanation The update channel between redundant system controllers failed. One side stopped communication. This also happens when file synchronization processing reaches expiry on one side. Switch redundancy is lost. If the active side fails, a switchover failure could occur. The channel should be reestablished in 2 to 3 minutes.

Action If the channel is not reestablished, investigate the following two possibilities: the standby system is unable to boot or a SWI failed.

Note The SWI is part of the Combined Controller assembly in VCO/20 and VCO/4K systems.

ALM081: UPD DMA Output Failure

Explanation An error was detected during a transmit attempt over the update channel to the standby controller. This condition occurs when one controller fails while the other is transmitting data over the update channel. Switch redundancy is lost. If the active side fails, a switchover failure could occur.

Action Verify that both controllers are operational. If a controller is rebooting, verify proper boot-up and restoration of operation. Replace the controller if necessary. This problem could also result from a malfunction of the SWI on the Combined Controller assembly.

ALM082: UPD Transmit Overrun

Explanation The system controller transmitting over the update channel exceeded the input buffer capacity of the receiving system controller. The update channel stops handling data and is reinitialized.

Action Data was lost, but the system recovers when the channel is reestablished.

ALM083: UPD Receive Overrun

Explanation The capacity of the input buffer of the receiving system controller was exceeded. The update channel stops handling data and is reinitialized. Data was lost.

Action The system recovers when the channel is reestablished.

ALM084: UPD Receive Timeout

Explanation A message was not received on the update channel for the last 15 seconds. Possible loss of update channel data. Possible loss of switch redundancy.

Action If the update channel is not restored automatically, identify the reason for the update channel problem. Check CPU and SWI operation. Reboot the affected side. Replace any suspect hardware.

ALM085: UPD DMA Output Timeout

Explanation A timeout occurred while trying to send a message across the update channel. Possible loss of update channel data. Possible loss of switch redundancy.

Action If the update channel is not restored automatically, identify the reason for the update channel problem. Check CPU and SWI operation. Reboot the affected side. Replace any suspect hardware.

ALM090: Printer Off Line

Explanation The system printer is off line or powered off. No log file messages can be written to the printer until it is activated.

Action Turn the printer on. Place the printer online.

```
ALM093: Available Disk Space Less Than 30 MB
```

Explanation Available disk space on your switch's hard drive is below 30 MB. No immediate affect on call processing.

Action Delete unnecessary files until disk space exceeds 30 MB. This alarm is cleared at midnight if the condition that set the alarm no longer exists.

ALM094: Available Disk Space Less Than 15 MB

Explanation Available disk space on your switch's hard drive has fallen below 15 MB. An attempt is being made to restore available disk space to more than 30 MB. The system deleted all but the latest core files. Further file deletions occurred in the following sequence, if more than 30 MB of disk space was not attained:

- Trace files exceeding 15 days.
- Log files exceeding 15 days.
- Trace files exceeding 1 day.
- Log files exceeding 1 day.
- If more than 30 MB of disk space was not attained after these files were deleted, an ALM095 message was generated. No immediate affect on call processing.

Action This alarm is cleared at midnight if the condition that set the alarm no longer exists.

ALM095: Failed to Create 30 MB of Available Disk Space

Explanation This message follows an ALM094 message if the system's attempt to provide sufficient disk space was unsuccessful. No immediate affect on call processing unless available disk space prevents access to the system log files.

Action Delete additional files until disk space exceeds 30 MB. This alarm is cleared at midnight if the condition that set the alarm no longer exists.

ALM096: Trace File Exceeded 1 MB Size

Explanation The trace file has exceeded 1 MB. No affect on call processing. The trace file may become too large to easily handle for transferring to another destination.

Action Disable Host Message Trace and NBC Message Trace from the System Trace Configuration screen, and then either delete or move the trace file to a different destination drive or diskette. Turn tracing on and allow the system to write more than 1000 time stamps to the trace file, to clear this alarm. Refer to Chapter 2 of the *Cisco VCO/4K Troubleshooting Guide* for further instructions.

ALM097: Log File Exceeded 1 MB Size

Explanation The log file has exceeded 1 MB. No affect on call processing. The log file may become too large to easily handle for transferring to another destination.

Action Either delete or move the log file to a different drive or diskette. After the log file has been deleted or moved, the system automatically creates a new log file. The alarm is cleared after the system writes more than 1000 date/time stamps to the new log file. Refer to Chapter 2 of the *Cisco VCO/4K Troubleshooting Guide* to clear this alarm.

`ALM100: Queue Overflow`

Explanation Fatal alarm. A queue overflow has caused a vital piece of the software to fail. This is not a recoverable situation. A system reboot is imminent. A switchover should occur. Call processing will stop on the affected controller. The affected queue should be listed in the message.

Action After the controller reboots, ensure restoration of operational condition.

`ALM101: Queue Overflow`

Explanation Critical alarm. A queue overflow has caused an interruption of service of a critical piece of the system. A switchover could occur. Call processing may stop on the affected controller. The affected queue should be listed in the message.

Action The system will recover automatically. Observe system performance.

`ALM102: Queue Overflow`

Explanation Major alarm. A queue overflow has caused an interruption of service of a major, but noncritical, piece of the system. A switchover could occur. Call processing may stop on the affected controller. The affected queue should be listed in the message.

Action The system will recover automatically. Observe system performance.

`ALM103: Queue Overflow`

Explanation Minor alarm. A queue overflow has caused an interruption of service of a minor piece of the system. No affect on call processing.

Action The system will recover automatically. Observe system performance.

`ALM104: Queue Overflow`

Explanation General alarm. A queue overflow has occurred that does not fit into one of the above categories. The affected queue should be identified in the message. Probably no affect on call processing.

Action The system will recover automatically. Observe system performance.

`ALM105: Memory Allocation Failure`

Explanation Fatal alarm. A memory allocation error has occurred in a vital piece of the software. This is not a recoverable situation. A system reboot is imminent. A system switchover should occur.

Action The system will reboot. Observe that the affected controller returns to normal operation.

ALM106: Memory Allocation Failure

Explanation Critical alarm. A memory allocation error has occurred and has caused an interruption of service of a critical piece of the system. Possible loss of call processing.

Action The system will recover automatically. Observe system operation.

ALM107: Memory Allocation Failure

Explanation Major alarm. A memory allocation error has occurred and has caused an interruption of service of a major piece of the system. Possible loss of call processing.

Action The system will recover automatically. Observe system operation.

ALM108: Memory Allocation Failure

Explanation Minor alarm. A memory allocation error has occurred and has caused an interruption of service of a minor piece of the system. Possible loss of call processing.

Action The system will recover automatically. Observe system operation.

ALM109: Memory Allocation Failure

Explanation General alarm. A memory allocation error has occurred that does not fit into one of the above categories. Possible loss of call processing.

Action The system will recover automatically. Observe system operation.

ALM150: Live Upgrade Start

Explanation A nonalarmed event was reported to indicate the start of a live upgrade on the switch. A live upgrade is in progress.

Action This alarm is maintained on the switch until it is cleared by a different live upgrade event or the system is reset.

ALM151: Live Upgrade Software Installed

Explanation A nonalarmed event was reported to indicate the successful completion of the software installation step during a live upgrade on the switch. A live upgrade is in progress.

Action This alarm is maintained on the switch until it is cleared by a different live upgrade event or the system is reset.

ALM152: Optional S/W Configuration Initiated

Explanation A nonalarmed event was reported to indicate the start of the enable/configure software options step for a live upgrade on the switch. A live upgrade is in progress.

Action This alarm is maintained on the switch until it is cleared by a different live upgrade event or the system is reset.

ALM153: Rebooting Generic with New Release

Explanation A nonalarmed event was reported to indicate that the system controller has been reset as part of the live upgrade procedure. The controller has been upgraded and is being rebooted.

Action This alarm is maintained on the switch until it is cleared by a different live upgrade event. Note that this alarm is maintained after the system is reset.

ALM154: Card Cutover Initiated

Explanation A nonalarmed event was reported to indicate the start of the live upgrade card cutover step. A live upgrade is in progress. Cards will be downloaded with new software.

Action This alarm is maintained on the switch until it is cleared by a different live upgrade event or the system is reset.

ALM155: Live Upgrade Failed

Explanation A nonalarmed event was reported to indicate a failed live upgrade on the switch. The cause of the failure is recorded in the live upgrade log.

Action If the cause of the failure cannot be remedied, contact the Cisco Systems TAC. This alarm is maintained on the switch until it is cleared by the Start Live Upgrade event or the system is reset.

ALM156: Live Upgrade Successful

Explanation A nonalarmed event was reported to indicate a successful live upgrade on the switch.

Action This alarm is maintained on the switch until it is cleared by the Start Live Upgrade event or the system is reset.

ALM157: Live Upgrade Aborted by User

Explanation A nonalarmed event was reported to indicate that the user aborted the live upgrade.

Action This alarm is maintained on the switch until it is cleared by the Start Live Upgrade event or the system is reset.

CHAPTER 2

Call Record Processing Messages

Call record processing (CRP) messages describe error conditions associated with start call and end call record processing.

CRP messages are described in the following manner:

`CRPnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

CRP Messages

`CRP09: ERROR – Call Record PTR Outside Memory Pool Range: Address=XXXX`

Explanation An internal software problem resulted in an erroneous call record pointer. Call handling may or may not have been performed correctly.

Action If this error persists, it may indicate an internal system failure. If the system does not correct itself automatically, reboot the system controller.

`CRP13: SR Deallocate Error: Address=XXXX`

Explanation An internal software problem resulted in a failure to release a portion of system controller memory used to create a start record. The system was unable to deallocate memory at the specified address which was used for a call processing start record. If this error persists, it may indicate an internal system failure.

Action If the system does not correct itself automatically, reboot the system controller.

```
CRP14: ER Deallocate Error: Address =XXXX
```

Explanation An internal software problem resulted in a failure to release a portion of system controller memory used to create an end record. The system was unable to deallocate memory at the specified address which was used for a call processing end record. If this error persists, it may indicate an internal system failure.

Action If the system does not correct itself automatically, reboot the system controller.

CHAPTER 3

Database Administration Messages

Database administration (DBA) messages describe errors, warnings, user activities, and system conditions while the user is working with the VCO/4K system administration's Database Administration menu options. Refer to the *Cisco VCO/4K System Administrator's Guide* for further information on system administration.

DBA messages are described in the following manner:

`DBAnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

DBA Messages

`DBA01: ERROR $error code Opening filename in file directory`

Explanation An error occurred while attempting to open a file in a specified directory. The file is not opened.

Action Verify the desired filename to be opened and try again. If the problem persists, forward the error code value to the Cisco Systems TAC for assistance.

`DBA02: ERROR $error code Reading filename in file directory`

Explanation An error occurred while attempting to read a file. The file could not be read.

Action Verify the desired filename to be read and try again. If the problem persists, forward the error code value to the Cisco Systems TAC for assistance.

`DBA03: ERROR $error code Writing filename in file directory`

Explanation An error occurred while attempting to write a file to a specified directory. The file was not saved.

Action Verify the desired location and try again. If the problem persists, forward the error code to the Cisco Systems TAC for assistance.

`DBA04: ERROR $error code Closing filename in file directory`

Explanation An error occurred while attempting to close a file.

Action Try to close the file again. If the problem persists, forward the error code to the Cisco Systems TAC for assistance.

`DBA05: ERROR $error code Creating filename in file directory`

Explanation An error occurred while attempting to create a file in a specified directory. The file was not created.

Action Try to create the file again. If the error persists, forward the error code to the Cisco Systems TAC for assistance.

`DBA06: ERROR $error code Removing File filename`

Explanation An error occurred while attempting to remove a file.

Action Verify the file name and try to remove the file again. If the problem persists, forward the error code to the Cisco Systems TAC for assistance.

`DBA07: ERROR $error code Updating filename in file directory`

Explanation An error occurred while attempting to update a file.

Action Verify the name of the file and try to update again. If the problem persists, forward the error code to the Cisco Systems TAC for assistance.

`DBA08: x Records Copied to filename`

Explanation A number of records (x) were successfully copied to your specified filename.

Action None required.

`DBA09: Operation Aborted`

Explanation The operation in progress was aborted.

Action Verify the proper procedures for the desired operation and try again.

```
DBA10: Warning: Hard Disk Only Has x Free Sectors Left
```

Explanation You have limited hard disk space remaining.

Action Delete unnecessary files to free up additional disk space.

```
DBA11: SERVICE CIRCUITS NOT IN RESOURCE GROUP - RLS x,x,xx
```

Explanation The service circuit card in the designated R-L-S has not been assigned to a resource group. The specified card is not usable unless entered into a resource group.

Action Add the specified card to the appropriate resource group.

```
DBA12: SERVICE CIRCUIT RESOURCE GROUP MISMATCH - RLS x,x,xx
```

Explanation The service circuit card in the designated R-L-S has been assigned to a resource group other than the group dedicated for that specific circuit type. The specified card is not usable while in the wrong resource group.

Action Add the specified card to the correct resource group.

```
DBA14: Card Removed From Service By Administrator RLS x,x,xx
```

Explanation An attempt was made to access a card that has been removed from service. The card is out-of-service.

Action If the card is desired to be operational, change the status to active.

```
DBA15: System Time Set By Host
```

Explanation The system time was set by the host computer system.

Action None required.

```
DBA16: Supervision Template File Updated By Administrator
```

Explanation The system administrator updated the supervision template file.

Action None required.

```
DBA17: Dynamic Supervision Template Download Initiated
```

Explanation The supervision template files are being downloaded.

Action None required.

`DBA18: Dynamic Supervision Template Download Complete`

Explanation The supervision template files were successfully downloaded.

Action None required.

`DBA19: Dynamic Supervision Template Download Aborted On RLS x,x,xx`

Explanation The supervision template download on R-L-S x,x,xx was aborted. The CPA card/SPC-CPA resource is not configured with the current supervision template configurations.

Action Retry the operation.

`DBA20: Dynamic Supervision Template Download Timed Out On RLS x,x,xx`

Explanation The supervision template download on R-L-S x,x,xx timed out. The CPA card/SPC-CPA resource is not configured with the current supervision template configurations.

Action Retry the operation.

`DBA21: Supervision Templates Downloaded To x CPA Card(s)`

Explanation Supervision templates were successfully downloaded to a number of CPA cards (x).

Action None required.

`DBA22: Wait For Dynamic Supervision Template Download Aborted`

Explanation The supervision template download is aborting. The CPA card/SPC-CPA resource is not configured with the current supervision template configurations.

Action Retry the operation.

`DBA23: Supervision Template Download Started RLS x,x,xx Count x`

Explanation The supervision template download has begun on R-L-S x,x,xx. (“Count x” equals the number of supervision events to download.)

Action None required.

`DBA24: Supervision Template File Updated On Disk Only By Administrator`

Explanation The supervision template was modified by the system administrator. New supervision template information will be downloaded to the CPA/SPC-CPA resources.

Action None required.

```
DBA25: ISDN - PRI Card Removed From Service By Administrator RLS x,x,xx
```

Explanation The ISDN - PRI card was removed from R-L-S x,x,xx. The card is not in service.

Action Restore the card to active service to make it operational.

```
DBA26: WARNING: Within 64 of Time-Slot Capacity
```

Explanation Your system is approaching the maximum number of time slots available. The time slot license limit may be exceeded if you attempt to add another card. Further additions to the switch configuration database may not be possible.

Action Request an increase in licensed time slots from the Cisco Systems TAC.

```
DBA27: ERROR: Exceeded Time-Slot Capacity
```

Explanation Your system has exceeded the maximum number of time slots available. No cards can be added until you upgrade your time slot license. Further additions to the switch configuration database may not be possible.

Action Request an increase in licensed time slots from the Cisco Systems TAC.

```
DBA28: Licensed Time-Slot Capacity To xxxx
```

Explanation Identifies the maximum number (xxxx) of time slots available on the active side of your system. This message appears after a successful entry of a new license number into the License Configuration screen.

Action None required.

```
DBA29: Licensed STBY Time-Slot Capacity To x
```

Explanation Identifies the maximum number (x) of time slots available on the standby side of your redundant system. This message appears after a successful entry of a new license number into the License Configuration screen.

Action None required.

```
DBA30: ERROR: Invalid License Number
```

Explanation A typing error occurred while entering the number, or a valid number was not obtained from the Cisco Systems TAC. The license number is not updated.

Action Verify the license number with the Cisco Systems TAC and reenter the correct license number.

Action

CHAPTER 4

Diagnostic Messages

Diagnostic (DGN) messages describe user activities and system conditions while the user is working with the VCO/4K system administration's Diagnostic menu options.

DGN messages are described in the following manner:

`DGNnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

DGN Messages

`DGN02: No Outpulsing Channels Available`

Explanation No Digital Tone Generator (DTG) ports are available for the T1 card or DTMF/MF receiver diagnostic test. Testing using the DTG for outpulsing cannot be performed at this time.

Action The test can be reattempted when tone channels become available.

`DGN03: (Test Name) Test Complete – ATP – X Tests Executed`

Explanation The test sequence for a trunk or receiver was successfully completed. ATP stands for "All Tests Passed" and x is the number of test loops executed.

Action None required.

`DGN04: Receiver RLSP x,X,XX,XX Interdigit Timeout`

Explanation A trunk or receiver test failure. A diagnostic test of a trunk or receiver was not completed before the receiver port at the specified address reported an interdigit timeout (for DTMF receivers) or no "ST" (stop) digit was received (for MF receivers). A port did not pass the expected digit.

Action Run the test again and note if the same failure is reported. If the failure persists, replace the card that has the faulty port.

`DGN05: RLSP X,X,XX,XX rcvd xx exptd XX`

Explanation A trunk or receiver test failure. The specified port expected to receive the digit string XX but instead received the digit string xx. A port passed an incorrect digit.

Action Run the test again and note if the same failure is reported. If the failure persists, replace the card that has the faulty port.

`DGN06: (Test Name) Test Complete – STF – X Tests Executed, X Failed`

Explanation The specified trunk or receiver test sequence was completed with some test failures. STF stands for "Some Tests Failed" and the two X values indicate the number of tests executed and number of test failures.

Action Run the test again and note if the same failure is reported. If the failure persists, replace the card experiencing the failures.

`DGN07: Receiver RLSP X,X,XX,XX Passed`

Explanation The rack, level, slot, port (RLSP) address of the receiver port as the diagnostic test sequence is completed for each MF or DTMF tone receiver port.

Action None required.

`DGN08: IPRC R,L,S No Response From XXX Test`

Explanation Issued when the IPRC under test does not respond to the diagnostic test request. XXX may be DRAM, SCSI Interface, or PCM Interface. The IPRC may be failing.

Action Run the test again. If the problem persists, replace the IPRC.

`DGN09: (Test Name) Test Aborted By Operator – ATP – X Tests Executed`

Explanation The operator exited the Service Circuit Test Utility or Test T1 Card menus before the test sequence was completed. All tests had passed up to that time.

Action None required.

`DGN11: (Test Name) Test Aborted by Operator – STF – x Tests Executed, x Failed`

Explanation A Service Circuit Test or T1 Test was aborted by the operator. Some of the tests performed to that point failed. The number of ports tested before the process was aborted and the number of failed tests are specified in the message. Testing was stopped prior to completion.

Action Run the test again. If the card or span continues to experience test failures, replace the affected card.

`DGN13: Receiver RLSP X,X,XX,XX Timeout`

Explanation A receiver diagnostic failure. The specified receiver did not receive the test digits within the allotted time before timing out. The specified receiver card may be failing.

Action Run the test again. If the problem persists, replace the receiver card.

`DGN14: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Timeout`

Explanation A trunk diagnostic failure. The specified receiver did not receive the test digits from the indicated trunk within the allotted time before timing out.

Action Run the test again. If the problem persists, replace the specified trunk card.

`DGN15: IPRC R,L,S XXX Test Passed`

Explanation This message is issued following each executed test if the user selected “N” in the screen field labeled “Print Error Messages Only.” of the Service Circuit Test Utility screen or the Test Port Card screen.

Action None required.

`DGN16: Receiver RLSP X,X,XX,XX Internal`

Explanation A receiver diagnostic outpulse channel failure. The specified receiver did not report outpulse complete from the tone card.

Action Run the test again. If the problem persists, replace the affected receiver card.

`DGN17: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Internal`

Explanation A trunk diagnostic outpulse channel failure. A channel of the specified trunk did not outpulse the test tone to the indicated receiver.

Action Run the test again. If the problem persists, replace the affected trunk card.

`DGN18: Receiver RLSP X,X,XX,XX Field Timeout`

Explanation A failed receiver diagnostic test. During the diagnostic, the indicated receiver port reported a timeout before receiving all expected digits.

Action Run the test again. If the problem persists, replace the affected receiver card.

`DGN19: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Field Timeout`

Explanation A failed trunk diagnostic test. During the diagnostic, the indicated trunk port reported a timeout before sending all expected digits to the specified receiver.

Action Run the test again. If the problem persists, replace the affected trunk card.

`DGN20: Receiver RLSP X,X,XX,XX No Response`

Explanation A failed receiver diagnostic test. During the diagnostic, the receiver channel at the specified rack, level, slot, port (RLSP) did not report digits received or a timeout.

Action Run the test again. If the problem persists, replace the affected receiver card.

`DGN21: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX No Response`

Explanation A failed trunk diagnostic test. During the diagnostic, the receiver channel at the specified rack, level, slot, port (RLSP) did not receive the digits from the indicated trunk and did not report.

Action Run the test again. Run the test using different trunk and receiver cards to identify which card may be having the problem. If the problem persists, replace the affected receiver or trunk card.

`DGN22: Receiver RLSP X,X,XX,XX Garbled`

Explanation A failed trunk diagnostic test. During the diagnostic, the receiver channel at the specified rack, level, slot, port (RLSP) reported the receipt of garbled digits.

Action Run the test again. If the problem persists, replace the affected receiver card.

`DGN23: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Garbled`

Explanation A failed trunk diagnostic test. During the diagnostic, the receiver channel at the specified rack, level, slot, port (RLSP) reported the receipt of garbled digits.

Action Run the same test again. If the message is displayed, run the test using different trunk and receiver cards to identify which card may be having the problem. If the problem persists, replace the affected receiver or trunk card.

`DGN24: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Inter Digit Timeout`

Explanation A failed trunk diagnostic test. During the trunk diagnostic, the indicated receiver port timed out before the digit string was received.

Action None required.

`DGN25: RX RLSP X,X,XX,XX – Sent [digit]`

Explanation During trunk diagnostics, the specified receiver port was sent the indicated digit sequence by an outpulse channel. If the digit string does not match the digit string received by the T1 in message DGN28, this indicates a test failure.

Action Run the same test again. If the message is displayed, run the test using different trunk and receiver cards to identify which card may be having the problem. If the problem persists, replace the affected receiver or trunk card.

```
DGN26: Port RLSP X,X,XX,XX Not Idle
```

Explanation The trunk or receiver port specified was not idle when the trunk or receiver diagnostic attempted to use it. The port was skipped over by the diagnostic test and left in its previous state.

Action Place the port in Diagnostic mode to conduct tests on it.

```
DGN27: RCVR RLSP X,X,XX,XX – TNK RLSP X,X,XX,XX Passed
```

Explanation The rack, level, slot, port (RLSP) address is logged as the receiver test sequence is completed for each T1 channel.

Action None required.

```
DGN28: Trunk RLSP X,X,XX,XX – rcvd [digit]
```

Explanation During the trunk diagnostic, the specified T1 channel received the digit string indicated in the message. If the digit string does not match the digit string received by the receiver port in message DGN25, this indicates a test failure.

Action Run the same test again. If the message is displayed, run the test using different trunk and receiver cards to identify which card may be having the problem. If the problem persists, replace the affected receiver or trunk card.

```
DGN29: RX RLSP X,X,XX,XX – Sent [digit string]
```

Explanation A trunk diagnostic test failure. Always output as a pair with message DGN30. The receiver port was sent the specified digit string by the DTG but instead received the digit string listed in message DGN30.

Action Run the test again. If the error persists, replace the receiver card.

```
DGN30: Interdigit Timeout TNK RLSP X,X,XX,XX – rcvd [digit string]
```

Explanation A trunk diagnostic test failure. Always output as a pair with message DGN29. The digit string specified was received by the receiver but an interdigit timeout occurred (more than 6 seconds passed between digit receipt).

Action Run the test again. Run the test using a different receiver. Use the same receiver with a different trunk. If the problem persists, replace the affected trunk card or receiver.

```
DGN31: Interdigit Timeout RLSP X,X,XX,XX – rcvd [digit string] exptd [digit
string]
```

Explanation A service circuit diagnostic test failure. The DTMF receiver port specified reported an interdigit timeout (more than 6 seconds passed between digit receipt). The transmitted (expected) and received digits strings are shown.

Action Run the test again. If the problem persists, replace the receiver card.

`DGN32: [event] detected at RLSP X,X,XX,XX`

Explanation The signaling event detected on the specified line/trunk port during a call progress tone monitor diagnostic test.

Action None required.

`DGN33: CPA RLSP X,X,XX,XX Passed`

Explanation The specified CPA port passed during a service circuit card test. The CPA port correctly detected the series of call progress tones presented to it.

Action None required.

`DGN38: Too Many Digits Seen`

Explanation A service circuit diagnostic test failure. The DRC/MRC port reported receiving more digits than were actually sent.

Action Run the test again. If the problem persists, replace the affected receiver card.

`DGN39: Invalid Tone Event`

Explanation A service circuit diagnostic test failure. The CPA port reported an invalid tone event.

Action Run the test again. If the problem persists, replace the CPA card.

`DGN40: Test Failure – Port XX, Tone Event XX`

Explanation A service circuit diagnostic test failure. The specified CPA port failed to detect the tone event within the test period.

Action Run the test again. If the problem persists, replace the CPA card.

`DGN41: Incorrect Event Detected – Expected XX, Detected XX`

Explanation A service circuit diagnostic test failure. The CPA port detected a tone out of the sequence expected.

Action Run the test again. If the problem persists, replace the CPA card.

`DGN42: Unexpected Tone Event Received CPA Card NN, CPA Port XX`

Explanation A service circuit diagnostic test failure. The specified CPA port reported a tone out of the sequence expected.

Action Run the test again. If the problem persists, replace the CPA card.

```
DGN45: Test Aborted, Card Went OOS -ATP- x Tests Executed
```

Explanation The test was aborted; the card went out-of-service (OOS). Of the tests executed prior to the card going OOS, all tests passed.

Action Identify the reason for the card going OOS. Reactivate the card. Run the test again. If the problem persists, replace the card.

```
DGN46: xx Test Aborted, Card Went OOS -STF- x Tests Executed, n
```

Explanation A test (xx) was aborted; the card went out-of-service (OOS). Of the tests executed prior to the card going out-of-service, some tests failed. (“x” equals the number of tests executed, “n” equals the number of tests planned for execution.)

Action Identify the reason for the card going OOS. Reactivate the card. Run the test again. If the problem persists, replace the card.

CHAPTER 5

Fault Recovery and Maintenance Messages

Fault recovery and maintenance (FRM) messages describe system processing and may appear at any time during system operation.

FRM messages are described in the following manner:

`FRMnnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

FRM Messages

`FRM001: PHASE 3 – System Initialization Complete`

Explanation The system controller, NBC, and DVCs (if any) are initialized. The DVCs may not have come into service.

Action None required.

`FRM002: PHASE 3 – (DVC or IPRC) Downloading Complete`

Explanation Voice announcement data was broadcast to all in-service DVCs or IPRCs in the system. DVC/IPRC cards will go active.

Action None required.

`FRM003: (DVC or IPRC) Download Complete – Card RLS X,X,XX`

Explanation Voice announcement data was downloaded to the DVC or IPRC in the slot location specified in the message. A single card download occurs whenever a voice card is removed and replaced in a subrack. The identified DVC/IPRC card will go active.

Action None required.

FRM004: Starting (DVC or IPRC) Data Download

Explanation At this point in a system restart, voice announcement data is being broadcast to all in-service DVCs or IPRCs in the system.

Action None required.

FRM005: (DVC or IPRC) Download Did Not Reach Completion

Explanation The download of voice data from the hard disk to the voice cards was abnormally interrupted. A minor system alarm was set. A previous FRM message should appear in the log file showing the download aborted. The affected DVC/IPRC card cannot provide announcement services.

Action Reseat the DVC/IPRC card to reinitialize the card and start a new voice data download from the system hard disk drive. If the problem continues, replace the DVC/IPRC card. Ensure that the SCSI cable connection to the card is secure.

FRM006: Transition From Standby To Active

Explanation Controller is switching from standby to active status. This system now carries the call traffic.

Action None required.

FRM007: Transition From Active To Standby

Explanation Controller is switching from active to standby status. This system marks itself off line to the AAC to reinitialize, then acts as standby until another transition occurs.

Action None required.

FRM010: Exception Data for Previous Fault Written To Log

Explanation This message is generated by the system during initialization following a system crash. The information related to the exception fault has been written to the system log file. The exception fault information is listed in the system log file.

Action Contact the Cisco Systems TAC with the exception fault information from the log file.

FRM011: No Voice Cards Responding Speech Download Aborted

Explanation Following a reboot, the cards were reset. There are DVCs in the database but none have come into service in the ten seconds since system initialization. Message FRM001 follows this message. If a DVC comes into service later, a directed download is performed for that card. A minor system alarm was set. Calls made without DVC resources generate the message FRM068: Announcement Pool Exhausted.

Action Check the affected DVC card. Reseat the card to force a reinitialization. Replace the card if necessary.

FRM012: Establishing Update Channel (MIN ALRM CLRD)

Explanation At this point in a redundant system restart, the active controller is establishing the update channel with the standby controller. File synchronization processing should begin.

Action None required.

FRM015: **Critical** Timeout Waiting For Tone Card

Explanation At system boot, a timer is set to wait for a DTG card to become active. The timer expired before a DTG card came into service. In a redundant system configuration, this system controller is not allowed to be the active controller. An active DTG card is required for the system to run.

Action Check the DTG card. Reseat the card to force a reinitialization. Replace the DTG card as necessary.

FRM016: UPD Message Too Big – Message Discarded

Explanation An internal update channel message was processed that exceeded the length restrictions. The message was discarded.

Action None required. The system should correct itself automatically.

FRM017: CP Message Overrun – Message Discarded

Explanation A call processing message was processed that exceeded the length restrictions. The message was discarded.

Action None required. The system should correct itself automatically.

FRM018: UPD VERIFICATION OF CONTROLLER STATUS FAILED

Explanation The active and standby status of both system controllers is verified when the update channel is established. This message warns of a failure in this internal software check. Processing verifies that one side knows it is A and the other knows it is B; also that one side knows it is active and the other knows it is standby.

Action If this problem persists, possible problems may include the SWI card or the Combined Controller assembly for either side. Replace the SWI or Combined Controller assembly as required.

FRM020: NBC EXTERNAL REFERENCE SIGNAL NOT PRESENT

Explanation The NBC attempted to synchronize to an external reference, and no external synchronization signal was detected at the jack on the front panel of the NBC. Having detected this fault, the NBC automatically synchronizes to the internal reference.

Action If external synchronization is desired, ensure that a suitable external timing reference signal is connected to the NBC front panel jack.

FRM021: NBC INCOMING REFERENCE SIGNAL NOT PRESENT

Explanation No incoming synchronization signal was detected at the T1 card location specified. The NBC automatically synchronizes to the internal reference. If either incoming link becomes available (present with no alarm conditions), the system tries to synchronize to it. Otherwise, the system remains synchronized to the internal reference.

Action Verify that the designated T1 span is Active. Select a different T1 span for the incoming reference if necessary.

FRM023: NBC CANNOT SYNC ON EXTERNAL REFERENCE

Explanation The system read the database which specifies that an external timing source or External is selected from the Master Timing Link. The attempt to synchronize on the external source failed. The system defaults to the internal reference.

Action Ensure that the external reference is connected and operating properly.

FRM024: NBC CANNOT SYNC ON INCOMING REFERENCE

Explanation The system attempted to synchronize to an incoming reference and failed. If either incoming reference becomes available (active with no alarms), the system attempts to synchronize with it. Otherwise, the system synchronizes to the internal reference.

Action Ensure that the selected incoming reference is active and operating properly. Select a different incoming reference if necessary.

FRM025: NBC SYNC OBTAINED – EXTERNAL REFERENCE

Explanation The NBC synchronized to an external reference source. If the timing link in the database is external, slips and out-of-frames (OOFs) are counted and tracked. Slips and OOFs are only ignored when the timing link indicated in the database differs from the source to which the NBC is actually synchronized.

Action None required.

FRM026: NBC SYNC OBTAINED – INCOMING REFERENCE

Explanation The NBC synchronized to an incoming reference source. Slips and OOFs are now counted and tracked.

Action None required.

FRM027: NBC SYNC OBTAINED – INTERNAL REFERENCE

Explanation The NBC synchronized to the internal reference source. If the timing link in the database is internal, slips and out-of-frames (OOFs) are not ignored. It is very likely that many of the T1/E1/PRI spans will begin to slip and/or experience OOF conditions.

Action Select a stable incoming T1/E1/PRI span as the incoming reference. The NBC should recognize the incoming reference and synchronize to it to provide reliable system timing.

FRM029: NBC ABNORMAL INTERRUPT PENDING

Explanation An abnormal T1 interrupt to the NBC is pending. A loss of synchronization may not be detected by the NBC should it occur. The NBC attempts to synchronize to a primary or secondary, if defined in the database. This could indicate an NBC hardware failure.

Action Ensure that the NBC is operating properly. If the NBC problem is evident, replace the NBC.

FRM030: NBC CANNOT OBTAIN 32M LOCK ON INTERNAL REFERENCE

Explanation The NBC cannot achieve phase lock between the 32-MHz system clock and the internal reference source. The 32-MHz clock is used for internal system timing; the system continues to operate with this condition present. This could indicate an NBC hardware failure.

Action Check the NBC for proper operation. Replace the NBC card as necessary.

FRM031: NBC LOSS OF SYNCHRONIZATION – EXTERNAL REFERENCE

Explanation The NBC lost synchronization with the external reference source. The system attempts to synchronize with the internal reference source.

Action Identify the problem with the external reference. Ensure that a reliable external reference is connected to the NBC front panel jack. If necessary, select a suitable incoming reference span for system timing. If the external reference is operating properly, replace the NBC card.

FRM032: NBC LOSS OF SYNCHRONIZATION – INCOMING REFERENCE

Explanation The NBC has lost synchronization with an incoming reference source. The system attempts to synchronize with the other incoming reference source, if it is active and shows no alarm conditions. If the system tries to synchronize to the other incoming source and fails, it tries to synchronize with the internal reference until an incoming reference is available.

Action Ensure that the selected incoming reference is operating properly. Select an alternative incoming reference if necessary. If you are unable to synchronize on any incoming reference, replace the NBC card.

FRM034: NBC ERRONEOUS REFERENCE SELECTED

Explanation The NBC was instructed to synchronize to an invalid source. Valid sources are internal, incoming and external. Current synchronization source is not altered.

Action This is likely the result of a keyboard input error causing the wrong slot to be entered. Correct the entry and try again. If the problem persists, ensure that the proper card type is defined for the desired slot. Ensure that the card is active with no alarms present. Replace the incoming reference card if necessary.

FRM035: ERROR: T1 SYNC SOURCE NOT ACTIVE – RLS X,X,XX

Explanation The NBC cannot synchronize to the primary incoming reference source because it has not been placed in active service or was removed from active service. The system attempts to synchronize to secondary if specified and available, or to internal.

Action Ensure that the primary incoming reference source is active and operating properly.

FRM036: INCOMING TIMING LINKS NOT AVAILABLE – RLS X,X,XX AND X,X,XX

Explanation The cards in the locations specified for the primary and secondary incoming Master Timing Links are not present, have alarms set, or are out-of-service. The system synchronizes to an internal reference.

Action Ensure that the necessary incoming reference spans are defined and operational.

FRM037: NBC LOSS OF INCOMING REFERENCE

Explanation The NBC lost incoming reference over the internal bus. Loss may be due to a loss of carrier or to an internal bus failure. The system checks the status of the other incoming reference. If it is available, the system tries to synchronize to it. If the system tries to synchronize to the other incoming source and fails, it tries to synchronize with the internal reference.

Action Ensure that the necessary incoming reference is operational.

FRM038: Error: PRI Sync Source Not Active – RLS X,X,XX

Explanation The NBC cannot synchronize to the primary incoming reference (the ICC ISDN span specified in the message) because it has not been placed in, or was removed from, active service. The system attempts to synchronize with the secondary incoming reference, if so specified and available, or attempts to synchronize with the internal reference.

Action Ensure that the primary incoming reference is operational.

FRM040: Internal Timing Reference Selected

Explanation A confirmation message that is received when the internal reference was selected. The system will synchronize on the internal timing reference. Slips and out-of-frames will likely be experienced by incoming T1/E1/PRI spans.

Action None required.

FRM041: External Timing Reference Selected

Explanation A confirmation message that is received when the external reference was selected. The system will synchronize on the external timing reference.

Action None required.

FRM042: Incoming Sync Master Selected – RLS X,X,XX

Explanation A confirmation message that is received when an incoming reference was selected, either primary or secondary. The specified incoming span has been identified and the system will synchronize the system clock using the incoming reference.

Action None required.

FRM045: Waiting For Incoming Master Timing Link

Explanation After the system boots, if an incoming reference is selected in the database, the system waits 30 seconds for the primary link to become available (active with no alarms). If the primary link becomes available before the timer expires, it is selected as master. If the 30-second timer expires, the secondary link is checked. If available, it is selected as the master. Otherwise the internal reference is selected.

Action None required.

FRM046: PRIMARY TIMING LINK NOT AVAILABLE – RLS X,X,XX

Explanation The card in the location specified for the primary incoming Master Timing Link is not present, is out-of-service, or has alarms active. The system attempts to synchronize to the secondary if defined.

Action Ensure that the primary timing link is operational.

FRM047: MASTER TIMING LINK NOT AVAILABLE – RLS X,X,XX

Explanation The card in the location specified for the primary incoming Master Timing Link is not present, is out-of-service, or has alarms active. The $C0 02 host command was used. The specified Master Timing link is not available. The system will try to synchronize on the secondary timing link if one is defined, else the system will switch to internal timing.

Action Ensure that the necessary Master Timing Link is available and operational.

FRM050: ERROR READING NBC DOWNLOAD FILE – CODE XX

Explanation An error was detected while attempting to read the NBC boot file from hard disk. The system is not operational; a system restart may follow.

Action If the problem persists, replace the NBC card. Continuing problems may require reinstallation of the system software.

FRM051: ERROR READING DOWNLOAD FILE – CODE XX FILE TYPE XX

Explanation An error was detected while attempting to read the voice data files from hard disk. No announcement data is downloaded to the DVCs. The system does not have announcement capability.

Action Use the Installation Utilities to reload the voice announcements onto the hard disk. Refer to the *Cisco VCO/4K Software Installation Guide* for instructions.

FRM056: TIMING LINK SELECTION NOT SAVED IN DATABASE!

Explanation The Timing Link selection made under the Maintenance menu is not saved to disk. If the system is restarted, the necessary timing link selection will not be restored.

Action Suspect a problem associated with the storage subsystem. This includes the SCSI cabling, the P2 connector board assembly, the hard disk drive, and/or the storage I/O module.

FRM057: Master Timing Link Selection Saved In Database

Explanation The Timing Link selection made under the Maintenance menu was saved to disk.

Action None required.

FRM058: Master Timing Link NOT Initialized In Database

Explanation The system read the system .tbl file and no entry was made to select a Master Timing Link. The system defaults to synchronize with the internal reference.

Action Select the necessary Master Timing link. Ensure that the link is operational.

FRM060: START RECORD MEMORY POOL EXHAUSTED

Explanation The system is unable to assign memory space marking the start record portion of a call record. In most cases, this is a call just starting and the incoming port is presented with a reorder tone. This also may occur for an outgoing port added to a conference. This message prints once and is followed by an FRM021 message when the condition clears.

Action The host must take action for the port. The host receives the command returned with a network status byte value of $29 – Internal error. The command cannot be completed.

FRM061: END RECORD MEMORY POOL EXHAUSTED

Explanation The system is unable to assign memory space marking the end record portion of a call record. In most cases, this is a call just starting and the incoming port is presented with a reorder tone. This also may occur for an outgoing port added to a conference. This message prints once and is followed by an FRM211 message when the condition clears.

Action The host must take action for the port. The host receives the command returned with a network status byte value of $29 – Internal error. The command cannot be completed.

FRM062: UPD START RECORD MEMORY POOL EXHAUSTED

Explanation The standby system controller is unable to assign memory space marking the start record portion of a call record. This fatal condition is followed by a Phase 4 system restart.

Action None required.

FRM063: UPD END RECORD MEMORY POOL EXHAUSTED

Explanation The standby system controller is unable to assign memory space marking the end record portion of a call record. This fatal condition is followed by a Phase 4 system restart.

Action None required.

FRM064: DTMF RECEIVER POOL EXHAUSTED

Explanation There is no DTMF receiver circuit available to service a call. The system is unable to hunt an idle DTMF receiver port. The command (if any) is returned to the host with a network status byte value of $1F. If the condition is encountered in inpulse rule processing, the rule is aborted. The host receives a Resource Limitation ($D6) report.

Action Add DTMF resources to the DTMF resource group.

FRM065: DTMF/MF SENDERS EXHAUSTED

Explanation There are no outpulsing channels on the DTG available to service a call. The command is returned with a network status byte value of $25.

Action This is a result of a high level of outgoing activity in the switch. Wait until the level is reduced and outpulsing channels are available.

FRM066: CONFERENCE POOL EXHAUSTED

Explanation There are no DCC ports available to satisfy the Conference Control command received from the host. The Command is returned with a network status byte value of $1F. The host receives a Resource Limitation ($D6) report.

Action This is a result of a high level of conference activity on the switch. Wait until conference resources are released and available for additional calls.

FRM067: MF RECEIVER POOL EXHAUSTED

Explanation There is no MF receiver circuit available to service a call. The system is unable to hunt an idle MF receiver port. The command (if any) is returned to the host with a network status byte value of $1F. If the condition is encountered in inpulse rule processing, the rule is aborted. The host receives a Resource Limitation ($D6) report. The incoming port is presented with a reorder tone.

Action Add MF receivers to the MF receiver resource group.

FRM068: ANNOUNCEMENT POOL EXHAUSTED

Explanation There is no DVC/IPRC circuit available to service a call. The system is unable to hunt an idle DVC/IPRC port. The command (if any) is returned to the host with a network status byte value of $1F. If the condition is encountered in inpulse rule processing, the rule is aborted. The host receives a Resource Limitation ($D6) report.

Action Add DVC/IPRC resources to the resource group.

FRM069: MFCR2 TRANSCEIVER POOL EXHAUSTED

Explanation No MFCR2 Transceivers are available to process the call. The system is unable to hunt an idle MFCR2 port. The command (if any) is returned to the host with a network status byte of $1F. If the condition is encountered during the processing of an inpulse rule, the rule is aborted. The host receives a Resource Limitation ($D6) report. The incoming port is presented with a reorder tone.

Action Add MFCR2 receivers to the resource group.

FRM070: **FATAL** NBC ERROR

Explanation A hard error was detected on either the SWI or NBC. This is a fatal alarm condition; a system reboot is imminent.

Action If the problem persists, replace the NBC.

FRM071: NBC RAW DATA – PC=XXXXXXXX ERROR MODE=XXXX

Explanation A hard error was detected on either the SWI or NBC. If the error persists, it may cause the system to reset.

Action Information useful to Cisco Systems TAC for identifying the cause of the fault is displayed in the message line. Contact Cisco Systems TAC. If the error persists, replace the NBC and/or SWI card or the Combined Controller assembly.

FRM072: UNABLE TO BOOT THE NBC

Explanation The first stage initialization task failed to recognize the NBC during the system boot process. The system is not operational. The system cannot operate without an operational NBC.

Action Remove and reseat the NBC and SWI; check the ribbon cable from the SWI to the NBC. Reset the system controller.

FRM073: NO RESPONSE FROM NBC FOR INITIALIZATION

Explanation The initialization task recognized but failed to reset the NBC as part of the system boot process. The system is not operational.

Action Check the ribbon cable from the SWI to the NBC, and remove and reseat the NBC and SWI. Reset the system. If the problem persists, replace the NBC.

FRM074: CONTINUAL NBC DOWNLOAD FAILURE

Explanation Multiple attempts to boot the NBC have failed. The system is not operational.

Action Power down, then remove and reseat the NBC and SWI. Check NBC and SWI cabling. Replace the NBC and reset the system. Contact Cisco Systems TAC.

FRM075: NBC REBOOT FAILED

Explanation An attempt to reboot the NBC failed. The system is not operational.

Action Power down, then remove and reseat the NBC and SWI. Check NBC and SWI cabling. Replace the NBC and reset the system. Contact Cisco Systems TAC.

FRM076: NBC T1 HARDWARE TEST FAILED

Explanation On power up or reset, the NBC failed to pass T1 related hardware self-tests. The system enters a Phase 4 – System Restart condition.

Action If the restart condition fails to reset the hardware, replace the NBC card.

FRM077: NBC RAM TEST FAILED

Explanation Firmware tests on the NBC have indicated that RAM on the NBC is defective. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

FRM078: NBC COMM. BUS HARDWARE TESTS FAILED

Explanation Firmware tests on the NBC have indicated that internal communication bus hardware failed. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

FRM079: NBC TSA CIRCUITRY TESTS FAILED

Explanation Firmware tests on the NBC have indicated that port address hardware failed. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

`FRM080: NBC SHIFT REGISTER TESTS FAILED`

Explanation Firmware tests on the NBC have indicated that shift register hardware failed. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

`FRM081: NBC PIT DEVICE TEST FAILED`

Explanation Firmware tests on the NBC have indicated that programmable interface timer hardware failed. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

`FRM82: NBC INTERRUPT PROCESSING TEST FAILED`

Explanation Firmware tests on the NBC have indicated that hardware associated with generating and processing interrupt requests to or from the CPU failed. The affected side of the switch will be unable to process calls.

Action Replace the NBC.

`FRM83: NBC Retransmit Request – Buffer X, Addr X`

Explanation This is a diagnostic message for the System Controller/SWI/NBC interface. It indicates the Transmit SWI buffer, number X with address Y, is requested for retransmission due to negative acknowledgment received. It is only printed when the debug switch 24 is set.

Action The system will recover automatically. If the problem persists, replace the SWI or Combined Controller assembly, and/or the NBC.

`FRM085: NBC Reboot Completed`

Explanation The system controller successfully booted the NBC. The NBC is now fully initialized. Card initialization begins.

Action None required.

`FRM086: NBC Hardware Tests Passed`

Explanation Firmware tests on the NBC have indicated that circuitry is functional.

Action None required.

FRM087: NBC Status Set To Active

Explanation The system controller connected to this NBC was marked active by the AAC. The log file messages and system administration terminal are marked "ACT." A $DC report is sent to the host.

Action None required.

FRM088: NBC Status Set To Standby

Explanation The system controller connected to the NBC was marked standby by the AAC. The log file messages and system administration terminal are marked "SBY." An Active/Standby Mode ($DC) report is sent to the host.

Action None required.

FRM090: T1 Card Restored – RLS (CARD ALRM CLRD)

Explanation The card at the specified location was successfully reset and is now available. The card failure alarm was cleared. The card is available when the alarms for the card have cleared. The host is sent a System Card Status ($D9) report.

Action None required.

FRM091: Tone Card Restored – RLS X,X,XX (CARD ALRM CLRD)

Explanation The DTG card at the specified location was successfully reset and is now available. The card failure alarm was cleared. The host is sent a System Card Status ($D9) report.

Action None required.

FRM092: Unknown Card Type Detected – RLS X,X,XX Type X

Explanation An unrecognized type of card was inserted into the specified location. The system does not place this card into service.

Action It is not recommended that cards be inserted into the system for extended periods of time unless they are defined in the database. This condition interferes with normal system operation.

FRM093: Card in UNEQ Slot – RLS X,X,XX

Explanation A card was inserted into an unequipped slot at the specified location. The database indicates the location should be empty (UNEQ = Unequipped). The system does not place this card in service.

Action Check the card location against the Card Summary screen under the Database Administration menu. Use the Card Maintenance screen under the Maintenance menu to add the card to a location. It is not recommended that cards be inserted into the system for extended periods of time unless they are defined in the database. This condition interferes with normal system operation.

FRM094: Wrong Card TYPE Detected – RLS X,X,XX Card Type Reported – X

Explanation A card different from the type entered into the database for the specified location was inserted into the backplane slot. The system does not place this card in service.

Action Check the card location against the Card Summary screen under the Database Administration menu. Use the Card Maintenance screen under the Maintenance menu to assign the correct card to the location. It is not recommended that cards be inserted into the system for extended periods of time unless they are defined in the database. This condition interferes with normal system operation.

FRM095: Card Restored – RLS X,X,XX (CARD ALRM CLRD)

Explanation The card at the specified location was successfully reset and is now available. The card alarm was cleared. The host is sent a System Card Status ($D9) report.

Action None required.

FRM096: T1 CARD OOS – RLS X,X,XX (CARD ALRM SET)

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. The system issues a directed reset of the card at this location. The card alarm was set. The host is sent a System Card Status ($D9) report.

Action If the card will not reset and become active normally, replace the card.

FRM097: (DVC or IPRC) CARD OOS – RLS X,X,XX (CARD ALRM SET)

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. The system issues a directed reset of the DVC or IPRC in the slot number identified in the message. The card alarm was set. The host is sent a System Card Status ($D9) report.

Action If the card will not reset and become active normally, replace the card.

FRM098: **FATAL** DTG Card OOS – RLS X,X,XX (CARD ALRM SET)

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. Real-time diagnostics in DTG firmware have detected an error. There is no standby DTG available. This is a fatal alarm condition; a system reboot is imminent. The card alarm was set.

Action If the card does not reset and become active, replace the card.

```
FRM099: DTG CARD OOS – RLS X,X,XX SWITCHING TO RLS X,X,XX (CARD ALRM SET)
```

Explanation The first specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service (OOS) or was removed from service via system administration. The active DTG is OOS. Call processing is switching to the standby DTG in the second specified slot. The card alarm was set. The host is sent a System Card Status ($D9) report.

Action Reseat the affected DTG card. If it will not reset successfully, replace the card.

```
FRM100: STANDBY DTG CARD OOS – RLS X,X,XX (CARD ALRM SET)
```

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. Real-time diagnostics in DTG firmware have detected an error. The card alarm was set. The active DTG is unaffected. The host is sent a System Card Status ($D9) report.

Action Reseat the affected DTG. If the card will not reset successfully, replace the card.

```
FRM101: CARD OOS – RLS X,X,XX (CARD ALRM SET)
```

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. The system issues a directed reset of the card at this location. The card alarm was set. Any calls involving this port are torn down. The host is sent a System Card Status ($D9) report.

Action If the card will not reset successfully, replace the card.

```
FRM102: CARD MSG – RLS X,X,XX Space for 45 characters here!
```

Explanation This message contains diagnostic information supplied by a card.

Action Contact Cisco Systems TAC.

```
FRM103: All Ports Deactivated - RLS X,X,X (CARD ALARM SET)
```

Explanation All ports on the card have been made inactive, either manually or automatically. An Alarm Condition ($F0) report is sent to the host specifying the card in which the alarm condition is detected.

Action Refer to the *Cisco VCO/4K Standard Programming Reference* or the *Cisco VCO/4K Extended Programming Reference* for a description of the $F0 report.

```
FRM104: All Ports No Longer Deactivated - RLS X,X,X (CARD ALARM CLRD)
```

Explanation Ports on the card have been made active, either manually or automatically. An Alarm Condition ($F0) report is sent to the host specifying the card in which the alarm condition is cleared.

Action Refer to the *Cisco VCO/4K Standard Programming Reference* or the *Cisco VCO/4K Extended Programming Reference* for a description of the $F0 report.

FRM105: TONE CARD SELFTEST FAULT ENCOUNTERED – RLS X,X,X

Explanation A DTG failed its self test. The card is out-of-service.

Action If the card will not reset automatically, replace the card.

FRM106: BRC Restored – RLS X,X,XX (CARD ALRM CLRD)

Explanation The BRC at the indicated location was restored to in service. The BRC and its pair are returned to active status if the redundant BRC pair is still in standby. The card alarm was cleared.

Action Check the status of the BRC pairs.

FRM107: BRC CARD OOS – RLS X,X,XX SWITCHING TO – RLS X,X,XX (CARD ALRM SET)

Explanation The BRC at the first location is out-of-service (OOS). The system switched over to the redundant BRC pair with the master at the second location. The card alarm was set.

Action Check the status of the BRC pairs. If the OOS BRC will not reset automatically, replace the card.

FRM108: **CRITICAL** BRC OOS – RLS X,X,XX (CARD ALRM SET)

Explanation The active BRC at the specified location is out-of-service (OOS) and there are no standby BRCs to switch over. The rack level is OOS and a card alarm was set. This will affect all cards in the affected subrack.

Action If the BRC will not reset, replace the card.

FRM109: STANDBY BRC OOS – RLS X,X,XX (CARD ALRM SET)

Explanation The standby BRC at the location indicated is out-of-service. The standby BRC pair cannot be used for switchover. A card alarm was set.

Action If the BRC will not reset successfully, replace the card.

FRM111: T1 OUT-OF-FRAME DETECTED – RLS X,X,XX (CARD ALRM SET)

Explanation An out-of-frame (OOF) condition was detected at the card at the location specified in the message. The OOF threshold counter was increased but not exceeded; the card is placed into maintenance mode and a card alarm is set.

Action If the condition does not clear, check for possible T1 path problems. Check for possible system timing irregularities. If the path and system timing are without problem, replace the T1 card.

FRM112: T1 CARRIER ALARM – RLS X,X,XX (CARD ALRM SET)

Explanation The system detected a loss of carrier at the card whose location is specified in the message. The card is placed into maintenance mode and a carrier lost card alarm is set.

Action Investigate the reason for loss of carrier from the incoming T1 span.

FRM113: T1 REMOTE CARRIER ALARM – RLS X,X,XX (CARD ALRM SET)

Explanation The system detected a loss of carrier signal from the far end of the span connected to the T1 card at the location specified in the message. The card is placed into maintenance mode and a remote carrier alarm is set.

Action The far end is signaling the loss of the incoming carrier. Ensure that the T1 span is generating a carrier. Investigate possible path problems going to the far end.

FRM114: T1 SLIP MAINTENANCE LIMIT REACHED – RLS X,X,XX (CARD ALRM SET)

Explanation The number of slips counted exceeds the number allowed for the system (256). The slip maintenance limit alarm is set. If the feature for Manual Intervention for slips/OOFs is set to Y, the card is put into maintenance mode. Otherwise, the card returns to active when the alarm clears at midnight.

Action If slips are a continuing problem on the affected span, investigate system timing settings, possible problems in the span path, and the T1 span card.

FRM115: T1 OUT-OF-FRAME Cleared – RLS X,X,XX (CARD ALRM CLRD)

Explanation The out-of-frame (OOF) condition detected at the card at the location specified in the message was cleared. The card alarm was cleared but the OOF threshold counter is not affected. This message does not print if the OOF maintenance limit was reached. The card returns to active mode.

Action None required.

FRM116: T1 CARRIER RESTORED – RLS X,X,XX (CARD ALRM CLRD)

Explanation The system detected restoration of carrier at the card whose location is specified in the message. The remote carrier alarm is cleared. If the carrier card alarm, slip maintenance limit, and out-of-frame maintenance limit card alarms are clear, the card returns to active mode and the host is sent a System Card Status ($D9) report.

Action None required.

FRM117: T1 REMOTE CARRIER ALARM CLEAR – RLS X,X,XX (CARD ALRM CLRD)

Explanation The system detected an alarm cleared signal from the far end of the T1 span connected to the card at the location specified in the message. If the carrier card alarm, slip maintenance limit, and out-of-frame maintenance limit card alarms are clear, the card returns to active mode and the host is sent a System Card Status ($D9) report.

Action None required.

FRM118: T1 INIT CODE XX – RLS X,X,XX

Explanation The system is unable to initialize the T1 card at the location specified in the message. The affected card is out-of-service.

Action If the card will not reset and initialize, replace the card.

FRM120: T1 OOF MAINTENANCE LIMIT REACHED – RLS X,X,XX (MIN ALRM SET)

Explanation The system threshold limit for out-of-frame (OOF) occurrences was exceeded by the card at the location specified in the message. The card is placed maintenance mode. If the card serves as the master timing link, the system attempts to resynchronize itself to another incoming link or to the internal reference source. The card alarm for OOF maintenance limit remains set until the card is reset. If the Manual Intervention for slip/OOF feature is enabled, the card remains in maintenance mode until reset via the Card Maintenance utility. No further log messages are printed for OOF conditions for this card, although the OOF alarm continues to cycle on/off.

Action If OOF occurrences continue, investigate problems on the path of the T1 span, system timing settings, or the T1 span card.

FRM121: T1 SIGNALING BIT ALARM – RLS X,X,XX (CARD ALRM SET)

Explanation A signaling bit error was detected at the card identified in the message. A card alarm was set. Call processing on the affected card may be interrupted or inhibited.

Action If the card does not recover automatically, try reseating the card. If problems persist, replace the card, or investigate problems with the T1 signaling path.

FRM122: T1 SIGNALING BIT ALARM CLEAR – RLS X,X,XX (CARD ALRM CLRD)

Explanation A signaling bit error detected at the card identified in the message was cleared. The card alarm was cleared.

Action None required.

FRM123: T1/E1 Card Configured for U-Law – RLS X,X,XX

Explanation The T1/E1 card with rack, level, slot (RLS) indicated are configured for -law coding. The message is generated whenever a T1/E1 card is activated.

Action None required.

FRM124: T1/E1 Card Configured for A-Law – RLS X,X,XX

Explanation The T1/E1 card with rack, level, slot (RLS) indicated are configured for A-law coding. The message is generated whenever a T1/E1 card is activated.

Action None required.

FRM131: CP MESSAGE PARSING ERROR

Explanation A call processing message read from the NBC cannot be decoded by the CPU. The message data is discarded. This message indicates either an internal processing fault or defective NBC or network interface cards.

Action None required.

FRM132: UPD MESSAGE PARSING ERROR

Explanation An update message passed between redundant system controllers cannot be decoded. The message data is discarded. This message indicates an internal processing fault.

Action None required.

FRM133: ILLEGAL PHYSICAL ADDRESS – ADDR XXX – MESG TYPE=XXX

Explanation A garbled message specifying an unknown physical address was processed across the NBC/SWI interface. The message data is discarded. Possibly causes call data to be lost.

Action If the problem persists, reseat the affected card. Replace the card as necessary.

FRM134: BAD NBC MESSAGE – ADDR XXX – MESG TYPE – XXX

Explanation A corrupted message was received from the NBC. Information useful to Cisco Systems TAC for identifying the cause of the fault is displayed in the message line. The message data is discarded.

Action If the problem persists, forward the error message information to the Cisco Systems TAC.

FRM135: BAD MESSAGE – RAW ADDR XX – MESG TYPE – XX

Explanation A corrupted message was received by the CPU. Information useful to Cisco Systems TAC for identifying the cause of the fault is displayed in the message line. The message data is discarded.

Action If the problem persists, forward the error message information to the Cisco Systems TAC.

FRM137: BAD UPD MESSAGE – TYPE XX

Explanation A corrupted message was read from the update channel between redundant system controllers. The type of message (xx) is information useful to Cisco Systems TAC. The message data is deleted.

Action If the problem persists, a system reset may occur due to loss of redundancy. Forward the error message information to the Cisco Systems TAC.

FRM138: FAILURE TO ESTABLISH UPDATE CHANNEL

Explanation The system failed to establish the update channel between redundant system controllers. This message is output periodically when the update channel is operating in a nonredundant system. Redundant operation is inhibited.

Action Investigate possible problems with the SWI card or Combined Controller. Replace the card as necessary.

FRM139: Download Aborted – Invalid Physical Address XX

Explanation The download reads the physical address (XX) of the card awaiting download from a mailbox. This message indicates the address read was invalid so the download process was aborted.

Action Verify if all downloadable cards are active and not in maintenance mode awaiting download. Reseat any cards that may be awaiting downloads to force a reinitialization. If a card will not reinitialize, replace it.

FRM140: OOS Buffer Received – Buffer X, Address X

Explanation Diagnostic message for the System Controller/SWI/NBC interface. An out of sequence buffer was received from the NBC3. It is only printed when debug switch 24 is set. Possible delay or failure in call processing.

Action The system should recover automatically. If the problem persists, investigate possible problems with the CPU, SWI/Combined Controller, or NBC3.

FRM141: Retransmitted Buffer Received – Buffer X, Address X

Explanation Diagnostic message for the System Controller/SWI/NBC3 interface. A buffer was received from the NBC3 in response to a retransmit request. This is only printed when debug 24 is set. This is an advisory message.

Action None required.

FRM142: Invalid Buffer Received – Buffer X, AddrX, vs X

Explanation Diagnostic message for the System Controller/SWI/NBC3 interface. The system software detected a checksum error in a buffer received from the NBC3. This is only printed when debug 24 is set. Possible delay or failure in call processing.

Action The system should recover automatically. If the problem persists, investigate possible problems with the CPU, SWI/Combined Controller, or NBC3.

FRM160: UPDATE CHANNEL XMIT REAL TIME OVERRUN PENDING

Explanation The system controller transmitting over the update channel is sending data at a rate that exceeds the capacity of the input buffer of the receiving system controller. The active system controller is transmitting data faster than the standby system controller can process the data.

Action If the condition persists, an overrun may be encountered in which update channel data will be lost. Investigate possible problems with the SWI/Combined Controller.

FRM161: UPDATE CHANNEL XMIT REAL TIME OVERRUN ENCOUNTERED

Explanation The system controller transmitting over the update channel exceeded the input buffer capacity of the receiving system controller. The update channel stops handling data and is reinitialized. Data was lost, but the system recovers when the channel is reestablished.

Action The system should recover automatically. If problems persist, investigate possible problems with the SWI/Combined Controller.

FRM162: UPDATE CHANNEL RCVR REAL TIME OVERRUN PENDING

Explanation The receiving system controller is indicating it is not emptying its input buffer quickly enough. No data was lost.

Action If the problem persists, an overrun condition may be experienced during which data will be lost. Investigate possible problems with the SWI/Combined Controller.

FRM163: UPDATE CHANNEL RCVR REAL TIME OVERRUN ENCOUNTERED

Explanation The capacity of the input buffer of the receiving system controller was exceeded. The update channel stops handling data and is reinitialized. Data was lost.

Action The system should recover automatically. If the problem persists, investigate possible problems with the SWI/Combined Controller.

FRM164: Update Channel Rcvr Real Time Overrun Condition Cleared

Explanation The receiving system controller adjusted the rate at which it empties its update channel input buffer to avoid an overrun condition. Normal update channel operation is resumed.

Action None required.

FRM165: CP XMIT REAL TIME OVERRUN PENDING

Explanation The device transmitting call processing information over the channel between the SWI and the NBC is sending data at a rate that exceeds the capacity of the receiving input buffer. The system controller is transmitting faster than the NBC can process the data. No immediate effect. If the problem persists, an overrun condition may be experienced during which data will be lost. Call processing may be disrupted or delayed.

Action The system should recover automatically. If the problem persists, investigate possible problems with the SWI/Combined Controller or NBC.

FRM166: CP XMIT REAL TIME OVERRUN ENCOUNTERED

Explanation The device transmitting call processing data over the channel between the SWI and NBC exceeded the input buffer capacity of the receiving device. Some data may be lost. Normal operation resumes when the receiving device is able to handle all data in a timely fashion. May be followed by a reset.

Action The system should recover automatically. If the problem persists, investigate possible problems with the SWI/Combined Controller or NBC.

FRM167: CP RCVR REAL TIME OVERRUN PENDING

Explanation The device receiving call processing data over the channel between the SWI and NBC is indicating it is not emptying its input buffer quickly enough. No data was lost. If the condition persists, an overrun condition may be experienced during which data will be lost. Call processing may be disrupted or delayed.

Action None required.

FRM168: CP RCVR REAL TIME OVERRUN ENCOUNTERED

Explanation The capacity of the input buffer of the device receiving data over the channel between the SWI and NBC was exceeded. Some data may be lost. Normal operation resumes when the receiving device can handle all incoming data in a timely fashion. May be followed by a Phase 4 reset. Some data may be lost. Normal operation resumes when the receiving device can handle all incoming data in a timely fashion. May be followed by a reset.

Action The system should recover automatically. If the problem persists, investigate possible problems with the SWI/Combined Controller or NBC.

FRM169: CP Rcvr Real Time Overrun Condition Cleared

Explanation The receiving SWI or NBC adjusted the rate at which it empties its update channel input buffer so as to avoid an overrun condition. Normal data channel operation is resumed.

Action None required.

`FRM176: Rack X, Level X, Restored`

Explanation The specified rack level previously out-of-service due to BRC failure was restored. Operation of the cards in the affected subrack should be restored.

Action None required.

`FRM177: RACK X, LEVEL X, out of service`

Explanation The specified rack level is out-of-service due to a BRC failure. Operation of the cards in the affected subrack will stop.

Action Investigate possible BRC or cable problems. Replace the BRC.

`FRM178: BRC SWITCHOVER FAILURE RLS X,X,XX – REDUNDANT BRC'S NOT IN STANDBY`

Explanation An attempt to switch to the redundant BRC pair failed because the pair was not in standby status. There is a possible loss of call processing in the affected subrack.

Action Investigate the reason for the standby BRC pair not in standby status. Replace BRC cards as required.

`FRM179: INTERNAL PORT CARD ERROR RLS X,X,XX CODE primary, secondary`

Explanation An internal port card detected a message parsing error. The card was unable to parse a message received over the communications bus. The message is discarded.

Action Contact Cisco Systems TAC.

`FRM180: Port Sup. Error xx – RLSP X,X,XX,XX`

Explanation An outgoing port that was in the CP_WANS state and in a conference received an outgoing supervision error. A Outgoing Port Change of State ($DA) report is sent to the host.

Action None required.

`FRM181: Bad OGT Links – RLSP X,X,XX,XX`

Explanation The system received answer supervision from the outgoing port at the address indicated, but the port is not linked into a call or conference. This indicates internal processing problems. The links for this port are cleaned up at this time.

Action None required.

FRM182: Outpulsing In Incorrect State – RLSP X,X,XX,XX

Explanation During outpulse rule processing, the port at the address indicated was found not to be in the correct state (CP_OUTPULSE). This is indicative of internal processing problems. The port is left in its current state.

Action Problems of this type can often be traced back to the sequence of host commands sent to the switch. If the port was previously idled for any reason and the host system was not updated with that status, it may try to command outpulsing operations on an idle port. System Host and/or NBC tracing analyzed by the Cisco Systems TAC will provide valuable information.

FRM183: Outpulsing Without OPC – RLSP X,X,XX,XX

Explanation During outpulse rule processing, the port at the address indicated was found not to be linked to an outpulsing channel. This is indicative of internal processing problems. No outpulsing can occur on the designated port.

Action Problems of this type can often be traced back to the sequence of host commands sent to the switch. If the correct commands were not sent by the host system for beginning an outpulsing scenario, the port may not be linked to an outpulsing channel. System Host and/or NBC tracing analyzed by the Cisco Systems TAC will provide valuable information.

FRM184: DVC/IPRC Port Taken Out of Service – RLSP X,X,XX,XX

Explanation The DVC or IPRC port at the location indicated was taken out-of-service. The host is notified by a System Port Status ($D3) report. The bad port is automatically replaced with another DVC or IPRC port.

Action If the problem persists, replace the DVC/IPRC.

FRM185: Outpulsing Without CPA – RLSP X,X,XX,XX

Explanation During outpulse rule processing, the port at the address indicated was not linked to a CPA port. No call progress tones or supervision events could be detected. Indicates internal processing problems. The port is left in CP_SETUP/CP_ATT state.

Action This problem could be related to the command structure and supervision template construction and identification within the command. System Host and/or NBC tracing analyzed by the Cisco Systems TAC can provide valuable information.

FRM186: CPA Card Without Supervision Templates – RLSP X,X,XX,XX

Explanation The CPA port at the address indicated was allocated to a call, but no answer supervision templates were downloaded to the CPA card. This is indicative of internal processing problems. No answer supervision can occur on the port.

Action Answer supervision templates are downloaded to the CPA during initialization. Ensure that the CPA is active. Reset the CPA and observe system console messages for indications that the templates are downloaded. If the problem persists, replace the CPA.

`FRM187: No Outpulsing Mode Selected Outpulse Rule X – RLSP X,X`

Explanation In the Outpulse Rule X, the outpulse mode is not selected prior to outpulsing of the digits. Before outpulsing digits, select the mode as DTMF, MF MRCR2, tone or dial pulse mode. Outpulsing will not occur on the selected port. The call will fail.

Action This problem is related to outpulse rule construction. Examine the rule for proper token sequence.

`FRM 190: IPRC Prompt Verification Error – RLS X,X,X`

Explanation The IPRC detected the corruption of one or more prompts. The IPRC will be unable to play prompts.

Action Reload the IPRC with a new copy of the prompt library. If the problem persists, replace the IPRC.

`FRM200: DRC-2 Internal Error – RLS – Error Code X`

Explanation The DRC card with the rack, level, slot (RLS) indicated, has reported an internal run-time error. The DRC cannot collect DTMF digits.

Action The error code in the message should be forwarded to the Cisco Systems TAC. If the problem persists, replace the DRC.

`FRM210: Start Record Pool Exhaust Cleared`

Explanation There were three successful consecutive allocations since a pool exhaust condition occurred.

Action None required.

`FRM211: End Record Pool Exhaust Cleared`

Explanation There were three successful consecutive allocations since a pool exhaust condition occurred.

Action None required.

`FRM212: CARD OOS: ERROR THRESHOLD EXCEEDED – RLS X,X,XX (CARD ALRM SET)`

Explanation The card at the indicated address exceeded the 25 errors per day threshold. The card is reset and placed out-of-service.

Action This type of error may indicate a bad card. Replace the designated card.

`FRM220: Download Aborted on SBY System`

Explanation A download was being done when the system changed to standby. The download is aborted and restarted on the new active system controller.

Action Identify the reason for transition to standby.

`FRM221: Download Aborted – RLS X,X,XX,XX In Incorrect State`

Explanation While the system software was changing the state of the 4xT1 or 4xE1 card span from O to A, the system software determined that the span needed a redownload of the 4xT1.dwn or 4xE1.dwn file. The redownload has been aborted, and the span has been put into state M.

Action To initiate the redownload and to get this span active again, perform the following steps:

a. Change the state of each span on this card to O.

b. Change the state of the troublesome span from O to A (the download will take place).

c. If applicable, change the state of the remaining spans from O to A.

`FRM222: Phase 3 – No Cards Requesting Download`

Explanation No broadcast download was performed. The destination cards have either not come into service or already have the correct version/revision of the download file in memory.

Action None required.

`FRM223: Download Aborted – No Broadcast Pending in Queue`

Explanation A broadcast download had been queued, but there are no cards of that broadcast type currently in service. The download was aborted.

Action None required.

`FRM224: Download Aborted – File Checksum Error – Type X, Dwnld Addr nn`

Explanation During the downloading to the card at the specified address, a file checksum error was detected and the download sequence aborted. The card will remain out-of-service pending a proper download.

Action Reload the download file onto the hard disk and attempt the download again. If the problem persists, forward the error message information to the Cisco Systems TAC for analysis.

`FRM225: [Filename] Download – XX Bytes In File`

Explanation Indicates the number of bytes the download file occupies on the hard disk.

Action None required.

```
FRM226: [Filename] Download XX Percent Complete
```

Explanation Indicates the status of the file being read from the hard disk and downloaded to the destination card(s).

Action None required.

```
FRM227: Download Aborted Due to $09 Timeout
```

Explanation The application code download was aborted because the $09 message was not received from the card to be downloaded within the required time after sending $52 message to it. The download is aborted. The card remains out-of-service.

Action Reinitialize the card. If the problem persists, replace the affected card.

```
FRM230: Phase 3 – (DTMF, IPRC, or PRI/N) Download Complete
```

Explanation The application code was broadcast to all in-service DTMFs, IPRCs, or PRI/Ns in the system.

Action None required.

```
FRM231: (DTMF, IPRC, or PRI/N) Download Complete – RLS X,X,XX
```

Explanation The application code was downloaded to the card in the slot location specified in the message. A single card download occurs whenever one of the cards in the message is removed and replaced in a subrack.

Action None required.

```
FRM232: Starting (DTMF, IPRC, or PRI/N) Application Download
```

Explanation At this point in a system restart, the application for the card in the message is being broadcast to all in-service cards of that type in the system. This message is also used to indicate that a directed download to a DTMF, IPRC, or PRI/N has started.

Action None required.

```
FRM234: IPRC Download Did Not Reach Completion
```

Explanation The download of application code from the hard disk to the IPRCs was abnormally interrupted. A minor system alarm was set. A previous FRM message should appear in the log showing the aborted download. The download is aborted. The card remains out-of-service.

Action Reinitialize the card. If the problem persists, replace the IPRC.

FRM239: AUTO MAINT. BUSY ERROR THRESHOLD REACHED R,L,S,P X,X,XX,XX

Explanation The port specified exceeded the maximum number of outgoing supervision errors given to its resource group. The port is placed in maintenance mode. Call processing on the affected port is interrupted while in maintenance mode.

Action Investigate the reason for the outgoing supervision errors. If the problem persists, replace the affected card.

FRM240: Phase 3 – (CPA, DTMF, IPRC, or PRI/N) Download Complete

Explanation The application was broadcast to all in-service cards that appear in the message in the system.

Action None required.

FRM241: (CPA, DTMF, IPRC, or PRI/N) Download Complete – RLS X,X,XX

Explanation The application was downloaded to the card in the slot location specified in the message. A single card download occurs whenever one of these cards is removed and replaced in a subrack.

Action None required.

FRM242: Starting (CPA, DTMF, IPRC, or PRI/N) Download Application

Explanation At this point in a system restart, the application is being broadcast to all in-service cards that appear in the message in the system. This message also indicates a direct download to one of these cards has started.

Action None required.

FRM244: (CPA, DTMF, IPRC, or PRI/N) Download Did Not Reach Completion

Explanation The application download from the hard disk to the cards in the message was abnormally interrupted. A system alarm was set. A previous FRM message should appear in the log showing the download aborted. The download to the identified card did not complete. The card remains out-of-service.

Action Reinitialize the card to begin a new download attempt. If the problem persists, replace the card.

FRM246: CPA RECEIVER POOL EXHAUSTED

Explanation There is no CPA receiver circuit available to service an incoming call. The system is unable to hunt an idle CPA receiver port. The command (if any) is returned to the host with a network status byte value of $3A. If the condition is encountered in outpulse rule processing, the rule is aborted. The host receives a Resource Limitation ($D6) report.

Action Add more CPA ports to the CPA resource group. If heavy call volume caused the pool exhaustion, wait for call volume to be reduced.

```
FRM247: CPA CARD OOS – RLS X,X,XX (CARD ALRM SET)
```

Explanation The specified card failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or was removed from service via system administration. The system issues a directed reset of the CPA in the slot number identified in the message. A card alarm was set. CPA error codes are described in Table 5-1.

Table 5-1 CPA Error Codes

Code	Meaning
40	—
43	Memory test failure
44	CPA previous command not released
49	Base address timeout
CA	DSP PIO-register error

Action Reinitialize the card. If the problem persists, replace the CPA card.

```
FRM248: CPA Internal Error – RLS X,X,XX – ERROR CODE NN
```

Explanation An error was detected in the CPA at the specified location. Refer to Table 5-1 for the CPA error codes. The CPA tries to restart the application; if the restart fails, then the system controller card is reset by the system controller.

Action The error code is useful to Cisco Systems TAC for identifying the cause of the fault. Contact Cisco Systems TAC. If the problem persists, replace the CPA card.

```
FRM249: Supervision Template Download Pending On CPA – RLS X,X,XX
```

Explanation Updated supervision templates are being downloaded to all CPA cards in the system during a dynamic download. The CPA at the address specified is just coming into service. This CPA receives the template download once the dynamic download to the other CPAs is completed.

Action None required.

```
FRM250: Supervision Template Download Timeout On CPA – RLS X,X,XX
```

Explanation The system failed to dynamically download supervision templates to the CPA card at the address specified within 15 seconds after the card came into service. The download did not occur. The card remains out-of-service.

Action Reinitialize the card. If the problem persists, replace the CPA.

FRM251: Invalid Supervision Event Reported – CPA RLSP X,X,XX,XX

Explanation The CPA port at the address specified detected a supervision event other than dial tone, ringback, busy, reorder, SIT tones, pager cue tone, ringback cessation, voice detection or voice cessation. The call may or may not fail due to supervision failure.

Action Identify what the expected supervision event is and compare that to the actual event being detected. If a valid event is experiencing some type of audible distortion, it can be misrepresented and not detected as expected. Forward the information to the Cisco Systems TAC for analysis.

FRM252: Supervision Template Download Aborted On CPA – RLS X,X,XX

Explanation Supervision templates are being downloaded to all CPA cards in the system. Because the CPA at the address specified is no longer in maintenance mode (card went out-of-service or a system switchover is underway), the download was aborted.

Action Identify the cause of the specified CPA no longer being in maintenance mode.

FRM265: Phase 3 – Network Side Download Complete

Explanation The network side download is complete. The download complete message is generated by the NBC3 card.

Action None required.

FRM280: ISDN - PRI Card Restored -- RLS [x x x-x-x] (CARD ALRM CLRD)

Explanation The out-of-service condition detected for the ICC ISDN span at the location specified in the message has been cleared. The span is in maintenance mode.

Action None required.

FRM281: ISDN - PRI Card OOS -- RLS [x x x-x-x] (CARD ALRM SET)

Explanation The specified ICC ISDN span has failed to respond correctly on five successive polling attempts by the NBC and is thus considered out-of-service or has been removed from service via system administration. The system issues a directed reset of the span at this location. A card alarm has been set. Any calls involving this span are torn down. The host is sent a System Card Status ($D9) report.

Action Identify the cause of the span being out-of-service. If the problem persists, replace the PRI card.

FRM282: ISDN - PRI INTERNAL ERROR -- RLS [x x x-x-x], CODE xx

Explanation An internal processing error has been detected for the specified ICC ISDN span. The type of error is indicated by the code value (xx). Call processing may be interrupted or delayed.

Action Make a notation of the code value (xx) and contact the Cisco Systems TAC.

FRM283: ISDN - PRI ERROR THRESHOLD EXCEEDED -- RLS [x x x-x-x] (CARD ALRM SET)

Explanation The threshold of internal errors reported for this span by a previous FRM282 message has been exceeded. The specified span is reset and allowed to come back into service. The span will be out-of-service until the reset is completed.

Action None required.

FRM284: ISDN - PRI OUT OF FRAME Detected -- RLS [x x x-x-x] (CARD ALRM SET)

Explanation An out-of-frame condition has been detected for the ICC ISDN span at the location specified in the message. The span is placed into maintenance mode. Any active calls are torn down. When the condition is cleared, the span will be restored automatically.

Action If the problem persists, investigate the PRI span. Replace the PRI card as necessary.

FRM285: ISDN - PRI CARRIER ALARM -- RLS [x x x-x-x] (CARD ALRM SET)

Explanation The system has detected a loss of carrier for the ICC ISDN span whose location is specified in the message. The span is placed into maintenance mode and a carrier lost card alarm is set. Any active calls are torn down.

Action Identify the cause of the carrier loss. If the path is good, replace the PRI card.

FRM286: ISDN - PRI REMOTE ALARM -- RLS [x x x-x-x] (CARD ALRM SET)

Explanation The system has detected a loss of carrier signal from the far end of the span connected to the ICC ISDN span at the location specified in the message. The span is placed into maintenance mode and a remote alarm is set.

Action Identify the cause of the loss of outgoing carrier signal. If the problem persists, replace the PRI card.

FRM287: ISDN - PRI SLIP MAINTENANCE LIMIT REACHED -- RLS [x x x-x-x] (MIN ALRM SET)

Explanation The number of PRI slips counted exceeds the number specified for this span via the ICC ISDN Span Configuration screen. The slip maintenance limit alarm is set.

Action If the Manual Intervention feature is set to "Y", return the span to active by first setting it out-of-service, then active, through the system administration Card Maintenance screen. Otherwise the span returns to service automatically.

FRM288: ISDN - PRI OUT OF FRAME Cleared -- RLS [x x x-x-x] (CARD ALRM CLRD)

Explanation The out-of-frame (OOF) condition detected for the ICC ISDN span at the location specified in the message has been cleared. The card alarm has been cleared but the OOF threshold counter is not affected. This message does not print if the OOF maintenance limit has been reached. The host is sent a System Card Status ($D9) report.

Action If no other alarms are present, the span returns to active mode.

FRM289: ISDN - PRI CARRIER RESTORED -- RLS [x x x-x-x] (CARD ALRM CLRD)

Explanation The system has detected restoration of carrier for the ICC ISDN span whose location is specified in the message. If all other card alarms are clear, the span returns to Active Mode and the host is sent a System Card Status ($D9) report.

Action None required.

FRM290: ISDN - PRI REMOTE ALARM CLEAR -- RLS [x x x-x-x] (CARD ALRM CLRD)

Explanation The system has detected an Alarm Cleared signal from the far end of the span connected to the ICC ISDN span at the location specified in the message. If the carrier card alarm, slip maintenance limit, and OOF maintenance limit card alarms are clear, the span returns to active mode and the host is sent a System Card Status ($D9) report.

Action None required.

FRM291: ISDN - PRI INIT CODE XX -- RLS [x x x-x-x]

Explanation The system is unable to initialize the ICC ISDN span at the location specified in the message. The reason for this error is indicated by the code value (XX). The span remains out-of-service.

Action Make a notation of the code value (XX) and contact the Cisco Systems TAC.

FRM292: ISDN - PRI OOF MAINTENANCE LIMIT REACHED -- RLS [x x x-x-x] (MIN ALRM SET)

Explanation The system threshold limit for out-of-frame (OOF) occurrences has been exceeded by the ICC ISDN span at the location specified in the message. The span is placed into maintenance mode. If the span serves as the master timing link the system attempts to resynchronize itself to another incoming link or to the internal reference source. The span alarm for OOF maintenance limit remains set until the span is reset.

Action If the Manual Intervention feature is set to "Y", return the span to active by first setting it out-of-service, then active, through the system administration Card Maintenance screen. Otherwise the span returns to service when the condition clears. The OOF maintenance limit is specified on a per span basis via the ICC ISDN Span Configuration screen.

FRM293: ISDN -- PRI BPV Threshold Exceeded -- RLS (Card Alarm Set)

Explanation The span with the rack, level, slot (RLS) indicated has reported the error; bipolar violation limit (BVP) reached. BPV errors may cause noise on calls or possible call interruption.

Action Investigate the span path. Reset the span. If the problem persists, replace the PRI span card.

```
FRM294: ISDN -- PRI BPV Condition Cleared -- RLS (Card Alrm Clrd)
```

Explanation The span with the rack, level, slot (RLS) indicated has reported the error; bipolar violation limit alarm condition cleared.

Action None required.

```
FRM295: ISDN - PRI D-CHANNEL RELEASED -- RLS [x x x-x-x]
```

Explanation The D-channel for the ICC ISDN span specified in the message has been released from the far end. All calls are cleared and no new calls can be established on this span.

Action Investigate the cause of the release by the far end. Reset the span. If the problem persists, replace the card.

```
FRM296: ISDN -- PRI T309 EXPIRY -- RLS [x x x-x-x] (CARD ALRM SET)
```

Explanation Timer T309, the duration of which is determined by protocol, has expired prior to the establishment of the D-channel for the ICC ISDN span specified in the message. This is applicable to only those ICC ISDN spans which have the access type set to NETWORK. Timer T309 is fixed at 15 seconds for the TS014 protocol; timer T309 is fixed at 90 seconds for all other protocols. The span will remain out-of-service.

Action Investigate D-channel initialization. Coordination with the far end will be required. If the problem persists, replace the card.

```
FRM297: ISDN - PRI D-CHANNEL RESTORED -- RLS [x x x-x-x] (CARD ALRM CLRD)
```

Explanation The D-channel for the ICC ISDN span specified in the message has been restored from the far end. Normal call processing for the B-channels on this span is restored. The card alarm for this span is cleared.

Action None required.

```
FRM298: ISDN - PRI D-CHANNEL RESTART -- RLS [x x x-x-x] (CALLS ABORTED)
```

Explanation The D-channel for the ICC ISDN span specified in the message has been reset from the far end (interface RESTART received). All calls are cleared. New calls can be handled immediately following a reset.

Action If the problem persists, coordinate with the far end to determine why the D-channel is being reset. If the problem persists, replace the card.

```
FRM299: ISDN - NFAS Configuration Error RLS X X X-X Interface XX
```

Explanation An internal processing error has been detected for the specified span within an NFAS group. The information received from the network does not match the NFAS group's configuration. The span will remain out-of-service.

Action If this error occurs, contact the Cisco Systems TAC.

```
FRM300: ISDN - NFAS Incorrect Interface Specified
```

Explanation The channel ID for the interface specified within an ISDN message template or an ISDN Port Control ($49) host command is incorrect. The call will not be processed.

Action Investigate the cause of the incorrect interface specification. System host and/or NBC tracing analyzed by Cisco Systems TAC will be useful.

```
FRM301: ISDN- PRI Card Critical Error
```

Explanation An error has been detected on a ICC ISDN span. This is a critical alarm condition that may be escalated to a fatal condition. The span will remain out-of-service.

Action Reset the span. Observe normal initialization sequence. Verify proper signaling from the far end. If the problem persists, replace the card.

```
FRM302: ISDN - PRI Raw Data -- PC=XXXXXXX Error Mode=nn
```

Explanation An error has been detected on an ICC ISDN span. Call processing is interrupted. Normal call processing may resume.

Action Information useful to Cisco Systems TAC for identifying the cause of the fault is displayed in the message line. Contact the Cisco Systems TAC.

```
FRM303: ISDN -- NFAS Group X, Invalid States D1: [state name], D2: [state name],
Event [code]
```

Explanation An invalid state transition was attempted on the NFAS group specified. The span containing the in-service D-channel has been placed in out-of-service mode. The user must manually return this span to active via the Card Maintenance screen.

Action The message indicates the current states of the primary (D1) and backup (D2) D-channels, and the event that caused the invalid transition. Refer to Table 5-2 for event code descriptions.

```
FRM304: ISDN -- NFAS Group X, Invalid Event D1: [state name], D2: [state name],
Event [code]
```

Explanation An invalid event occurred involving the NFAS group specified. The span containing the in-service D-channel has been placed in out-of-service mode. The user must manually return this span to active via the Card Maintenance screen.

Action The message indicates the current states of the primary (D1) and backup (D2) D-channels, and the event that caused the invalid transition. Refer to Table 5-2 for event code descriptions.

Table 5-2 D-channel Event Codes for Messages FRM303 and FRM304

Code	Description
05	Manual switchover. The SWITCH command was submitted by the system administrator.
07	Timer T321 (40-second timer) expired; automatic switchover performed.
0A	Primary D-channel (D1) data link released.

Table 5-2 D-channel Event Codes for Messages FRM303 and FRM304 (continued)

Code	Description
0B	Backup D-channel (D2) data link released.
0C	Primary D-channel (D1) data link established.
0D	Backup D-channel (D2) data link established.
0E	Primary D-channel (D1) established.
0F	Backup D-channel (D2) established.
10	Primary D-channel (D1) placed in manual-out-of-service (MOOS) state. The MOOS command was submitted by the system administrator.
11	Backup D-channel (D2) placed in manual-out-of-service (MOOS) state. The MOOS command was submitted by the system administrator.
12	Primary D-channel (D1) activated. The ACTIVATE command was submitted by the system administrator.
13	Backup D-channel (D2) activated. The ACTIVATE command was submitted by the system administrate.
14	Primary D-channel (D1) ICC ISDN span failure.
15	Backup D-channel (D2) ICC ISDN span failure.

```
FRM305: ISDN -- NFAS Configuration Updated
```

Explanation Modifications to the NFAS group configuration were successfully stored in system memory.

Action None required.

```
FRM306: ISDN -- NFAS D-channel Switched Via Admin
```

Explanation A manual switchover was initiated by the system administrator (using the SWITCH command on the NFAS Group Configuration screen). The standby D-channel came into the in service state and now controls the NFAS group. The formerly active D-channel transitions to the out-of-service state.

Action None required.

```
FRM307: ISDN -- NFAS D-channel Set To MOOS State
```

Explanation The standby D-channel was placed into the manual out-of-service (MOOS) state by the system administrator (using the MOOS command on the NFAS Group Configuration screen). The channel remains in MOOS state until activated by the system administrator. D-channel backup is disabled while the standby channel is in MOOS state.

Action Set the channel to active using the system administration console.

```
FRM308: ISDN -- NFAS D-channel Taken Out of MOOS State
```

Explanation The system administrator activated the standby D-channel in manual out-of-service state (using the ACTIVATE command on the NFAS Group Configuration screen). The standby D-channel can now be established by either the far or near end.

Action None required.

```
FRM309: ISDN -- PRI AIS/BLUE ALARM DETECTED -- RLS [x x x-x-x] (CARD ALRM SET)
```

Explanation The AIS/BLUE alarm condition detected in the ICC ISDN span at the location specified in the message. The span is placed in maintenance mode. The blue alarm is set.

Action None required.

```
FRM310: ISDN -- PRI AIS/BLUE ALARM Cleared -- RLS [x x x-x-x] (CARD ALRM CLRD)
```

Explanation The AIS/BLUE alarm condition that was detected in the ICC ISDN span at the location specified in the message has been cleared. The host is sent a System Card Status ($D9) report.

Action None required.

```
FRM311: ISDN -- PRI CRC ERROR DETECTED -- RLS [x x x-x-x] (CARD ALRM SET)
```

Explanation The Cyclic Redundancy Check 4 (CRC4) error has been detected in the ICC ISDN span specified in the message. This is applicable to only ICC ISDN E1 spans. The CRC4 error is set for this span.

Action None required.

```
FRM312: ISDN -- PRI CRC ERROR Cleared -- RLS [x x x-x-x] (CARD ALRM CLRD)
```

Explanation The Cyclic Redundancy Check 4 (CRC4) error that was detected in the ICC ISDN span specified in the message has been cleared.

Action None required.

```
FRM320: Initiating Prompt Download – RLS X,X,X – SCSI Dev X
```

Explanation This message is issued when prompts are being downloaded to the specified IPRC. The SCSI device assigned to the IPRC is also specified.

Action None required.

`FRM321: Prompt Download Complete – RLS X,X,X`

Explanation Voice announcement data was downloaded to the IPRC in the slot location specified in the message.

Action None required.

`FRM322: Prompt Download Error – RLS X,X,X – SCSI Dev X`

Explanation The download of voice data from the hard disk to the IPRC was abnormally interrupted. A minor system alarm was set. A previous FRM message should appear in the log showing that the download aborted.

Action None required.

`FRM323: Prompt Upload Complete – RLS X,X,XX`

Explanation Prompt data was uploaded to the IPRC in the slot location specified in the message.

Action None required.

`FRM324: Prompt Upload Error – RLS X,X,XX`

Explanation The prompt data upload to the IPRC failed.

Action None required.

`FRM325: Error Removing IPRC From SCSI Bus – RLS X,X,XX – SCSI Dev XX`

Explanation The system was unable to release the IPRC from the SCSI bus after the IPRC was downloaded.

Action Reset the card.

`FRM326: Error Installing IPRC On SCSI Bus – RLS X,X,X – SCSI Dev X`

Explanation The system could not attach the specified IPRC card to the SCSI bus for prompt downloading.

Action Check to see that the SCSI extension is properly connected or that the SCSI extension cable is not faulty.

`FRM330: Token Not Valid For Outpulse Rule Execution`

Explanation The outpulse rule token specified is not valid for outpulse rule execution. This message indicates an internal processing error.

Action None required.

`FRM331: Token Not Valid For Outpulse Rule Execution`

Explanation The outpulse rule token specified is not valid for outpulse rule execution. This message indicates an internal processing error.

Action None required.

`FRM332: Token Not Valid For MFCR2 Mode`

Explanation The token specified is not valid for outpulse execution in MFCR2 mode.

Action None required.

`FRM333: Resource Could Not Be Allocated For Rule Execution`

Explanation The specified resource type could not be allocated to process the inpulse or outpulse rule. The resource allocation attempt is performed prior to the rule being started, so that the rule does not execute if the required resources cannot be allocated.

Action None required.

`FRM334: Invalid xxx Rule Token Identifier – xxx`

Explanation An invalid rule token was encountered during inpulse or outpulse rule execution. The rule itself was corrupted.

Action None required.

`FRM335: Invalid Rule Type Identifier`

Explanation An internal processing error or data corruption error occurred such that the rule processing cannot initiate rule processing.

Action None required.

`FRM340: Code Error – Used By Errmsg Subsystem`

Explanation Used for Code error in Error Subsystem.

Action None required.

```
FRM341: NBC Error – xxx – Detected Errors
```

```
FRM341: NBC Error Comm Bus Interf- DID err, 3 reset/polling cycles done
```

Explanation The first FRM341 error message indicates that the NBC3 reported an error occurring at the communication bus interface or system controller (SWI) interface. The second FRM341 error message indicates that a card is fully seated into the VCO/4K chassis backplane, but is not configured in the database.

Action The first FRM341 message requires no action. The second FRM 341 message requires you to either unseat the appropriate card, or configure it in the database.

```
FRM342: D+I Slip Limit Reached, RLSP x, x, xx, x
```

Explanation In DTE mode, the D+I card can detect slips on each port, and keeps track of the number of slips. A Slip Limit Reached report is generated when the count exceeds the slip threshold set in the Card Configuration screen.

Action None required.

```
FRM343: D+I Loss of Clock Failure RLSP x, x, xx, x
```

Explanation When the D+I card is selected to operate in DTE mode, the port may lose its transmit and receive clocks. When a Loss of Clock is detected on a port, a Loss of Clock Error is reported. There are no Loss of Clock events when the port is configured in DCE mode.

Action None required.

```
FRM350: Memory Test Failure RLS x,x,xx
```

Explanation A memory failure occurred during a diagnostics self-test.

Action Contact Cisco Systems TAC.

```
FRM351: Base Address Time Out – RLS x,x,xx
```

Explanation The base address timed-out during a diagnostics self-test.

Action Contact Cisco Systems TAC.

```
FRM352: Internal Communications Failure – RLS x,x,xx
```

Explanation An internal communications failure occurred at RLS x,x,xx location, in a 4xT1 or 4xE1 card.

Action None required.

`FRM353: Unknown Failure – RLS x,x,xx`

Explanation An unknown failure occurred during a diagnostics self test.

Action Contact Cisco Systems TAC.

`FRM354: Application Checksum Failure – RLS x,x,x`

Explanation Application checksum failure reported by the 4xT1 or 4xE1 card.

Action None required.

`FRM355: Download Start Location Error – RLS x,x,x`

Explanation Download start location error reported by the 4xT1 or 4xE1 card.

Action None required.

`FRM356: Download Location Error – RLS x,x,x`

Explanation Download location error reported by the 4xT1 or 4xE1 card.

Action None required.

`FRM357: Board Failure Detected – RLS x,x,x`

Explanation Board failure error reported by the 4xT1 or 4xE1 card.

Action None required.

`FRM360: Comm Bus Report Nacked – RLS x,x,xx`

Explanation The communications bus report was not acknowledged.

Action If this error persists, contact Cisco Systems TAC.

`FRM361: Comm Bus Transmit Buffer Full – RLS x,x,xx`

Explanation The communications bus transmit buffer is full.

Action If this error persists, contact Cisco Systems TAC.

`FRM362: Comm Bus Receive Buffer Full – RLS x,x,xx`

Explanation The communications bus receive buffer is full.

Action If this error persists, contact Cisco Systems TAC.

`FRM363: Internal Communication Time Out – RLS x,x,xx`

Explanation The internal communication timed out.

Action If this error persists, contact Cisco Systems TAC.

`FRM364: Internal Communication Failure – RLS x,x,xx`

Explanation An internal communication failure occurred.

Action If this error persists, contact Cisco Systems TAC.

`FRM365: Internal Broadcast Failure – RLS x,x,xx`

Explanation An internal broadcast failure occurred.

Action If this error persists, contact Cisco Systems TAC.

`FRM366: Internal Command Nacked – RLS x,x,x`

Explanation An internal command was not acknowledged.

Action If this error persists, contact Cisco Systems TAC.

`FRM367: Internal Report Nacked – RLS x,x,xx`

Explanation An internal report was not acknowledged.

Action If this error persists, contact Cisco Systems TAC.

`FRM368: Internal Transmit Buffer Full – RLS x,x,xx`

Explanation The internal transmit buffer is full.

Action If this error persists, contact Cisco Systems TAC.

`FRM369: Internal Receive Buffer Full – RLS x,x,xx`

Explanation The internal receive buffer is full.

Action If this error persists, contact Cisco Systems TAC.

`FRM370: Unexpected Report From – RLS x,x,xx`

Explanation There is an unexpected report.

Action If this error persists, contact Cisco Systems TAC.

`FRM371: Message From Card Not In Database – RLS x,x,x`

Explanation An NBC3 message has come from a card which is not defined in the database.

Action None required.

`FRM372: Internal Empty Message Error – RLS x,x,x`

Explanation An empty message is received from the card specified by RLS x,x,x.

Action None required.

`FRM373: Internal Message Length Error – RLS x,x,x`

Explanation Internal message length error reported by the card specified by RLS x,x,x.

Action None required.

`FRM500: N/A Event Set For – ALMxxx: [alarm description]`

Explanation The system registered the nonalarmed event for the specified alarm condition. This condition does not affect system processing.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM501: Aux-1 Alarm Set For – ALMxxx: [alarm description]`

Explanation The host set an Auxiliary 1 alarm for the specified alarm condition using the Set/Reset Host Alarms ($C0 03) command.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM502: Aux-2 Alarm Set For – ALMxxx: [alarm description]`

Explanation The host set an Auxiliary 2 alarm for the specified condition using the Set/Reset Host Alarms ($C0 03) command.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM503: Minor Alarm Set For – ALMxxx: [alarm description]`

Explanation The system set a minor alarm for the specified alarm condition. This condition does not have a serious impact on system operation.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM504: Major Alarm Set For – ALMxxx: [alarm description]

Explanation The system set a major alarm for the specified alarm condition. This condition is service affecting, although not as urgent as a critical alarm. Immediate corrective action is recommended.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM505: Critical Alarm Set For – ALMxxx: [alarm description]

Explanation The system set a critical alarm for the specified alarm condition. This condition is severe and service affecting, and is likely to be escalated to a fatal condition.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM506: Fatal Processing Fault Due To – ALMxxx: [alarm description]

Explanation The system encountered a fatal condition which caused a system reset or control switchover in a redundant system.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM507: N/A Event Clear For – ALMxxx: [alarm description]

Explanation The system cleared the nonalarmed event for the specified alarm condition.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM508: Aux-1 Alarm Clear For – ALMxxx: [alarm description]

Explanation The host cleared the Auxiliary 1 alarm for the specified alarm condition using the Set/Reset Host Alarms ($C0 03) command.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM509: Aux-2 Alarm Clear For – ALMxxx: [alarm description]

Explanation The host cleared the Auxiliary 2 alarm for the specified alarm condition using the Set/Reset Host Alarms ($C0 03) command.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM510: Minor Alarm Clear For – ALMxxx: [alarm description]`

Explanation The system cleared the minor alarm for the specified alarm condition.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM511: Major Alarm Clear For – ALMxxx: [alarm description]`

Explanation The system cleared the major alarm for the specified alarm condition.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM512: Critical Alarm Clear For – ALMxxx: [alarm description]`

Explanation The system cleared the critical alarm for the specified alarm condition.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM513: Minor Alarm Changed To Major For – ALMxxx: [alarm description]`

Explanation The system escalated the minor alarm previously set for the specified alarm condition to a major alarm. This condition is now service affecting, although not as urgent as a critical alarm.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM514: Minor Alarm Changed To Critical For – ALMxxx: [alarm description]`

Explanation The system escalated the minor alarm previously set for the specified alarm condition to a critical alarm. This condition is now severe and service affecting, and is likely to be escalated again to a fatal condition.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM515: Minor Alarm Changed To Fatal For – ALMxxx: [alarm description]`

Explanation The system escalated the minor alarm previously set for the specified alarm condition to a fatal alarm. This condition caused a system reset or control switchover in a redundant system.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM516: Major Alarm Changed To Minor For – ALMxxx: [alarm description]

Explanation The system downgraded the major alarm previously set for the specified alarm condition to a minor alarm. This condition does not have a serious impact on system operation.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM517: Major Alarm Changed To Critical For – ALMxxx: [alarm description]

Explanation The system escalated the major alarm previously set for the specified alarm condition to a critical alarm. This condition is now severe and service affecting, and is likely to be escalated again to a fatal condition.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM518: Major Alarm Changed To Fatal For – ALMxxx: [alarm description]

Explanation The system escalated the major alarm previously set for the specified alarm condition to a fatal alarm. This condition caused a system reset or control switchover in a redundant system.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM519: Critical Alarm Changed To Minor For – ALMxxx: [alarm description]

Explanation The system downgraded the critical alarm previously set for the specified alarm condition to a minor alarm. This condition no longer a serious impact on system operation.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM520: Critical Alarm Changed To Major For – ALMxxx: [alarm description]

Explanation The system downgraded the critical alarm previously set for the specified alarm condition to a major alarm. This condition is still service affecting, but not as urgent.

Action Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

FRM521: Critical Alarm Changed To Fatal For – ALMxxx: [alarm description]

Explanation The system escalated the critical alarm previously set for the specified alarm condition to a fatal alarm. This condition caused a system reset or control switchover in a redundant system.

Action Immediate corrective action is required. Make a notation of the alarm condition message specified in the message and refer to Chapter 1, “Alarm Condition Messages” for action instructions.

`FRM522: Queue Threshold Exceeded On: [name] Queue`

Explanation An internal memory queue overrun condition is pending, but at this point no data was lost. This condition indicates excessive message traffic due to high call volume or database changes involving cards with a large number of ports (such as the DCC).

Action None required.

`FRM523: Queue Overflow (Data Lost) On: [name] Queue`

Explanation An internal memory queue overrun occurred; some data was lost. Typically, this condition only occurs during periods of high call processing volume. This message is preceded by an FRM522 message warning of the imminent condition.

Action None required.

`FRM524: Queue Threshold/Overflow Cleared On: [name] Queue`

Explanation An internal memory queue overrun condition cleared. The amount of data in the queue dropped below the threshold level.

Action None required.

`FRM525: Memory Allocation Failure In Sub-System: [subsystem name]`

Explanation A dynamic memory allocation attempt failed in the processing subsystem specified. Typically, this condition only occurs during periods of high call processing volume. Some data may be lost as a result of this condition.

Action None required.

`FRM526: Memory Allocation Cleared In Sub-System: [subsystem name]`

Explanation The dynamic memory allocation failure condition reported in a preceding FRM525 message cleared in the processing subsystem specified.

Action None required.

`FRM527: Audible Alarm Cutoff Performed By System Administrator`

Explanation The external audible alarms connected to the Alarm Arbiter Card (AAC) have been disabled using the System Alarms Display screen. The alarm LEDs on the front panel of the AAC are also disabled.

Action None required.

`FRM528: System Shutdown Performed By System Administrator`

Explanation The system was shut down using the Maintenance menu. The system closed all open files, terminated host communication, and reset the system controller.

Action None required.

`FRM529: Insufficient disk space in case of crash (n bytes free)`

Explanation There is not enough space on the disk (in the C:/ directory) to write a core dump file. This message is reported only when the system is initialized. The current number of bytes that are available on the C: drive is indicated by n.

Action None required.

`FRM530: Unable to open a Core File - Cause=xxx PC=yyy`

Explanation The system could not open a file on the C: drive to write a core dump. The three-digit string xxx indicates the cause of the problem and yyy is the program counter's contents.

Action None required.

`FRM531: Core File Created - Cause=xxx PC=yyy`

Explanation The system created and wrote a core file (named core1), in the C:/ directory. The three-digit string xxx indicates the problem that initiated the core dump, and yyy is the program counter's contents.

Action None required.

`FRM532: Core File Created WITH ERRORS - Cause=xxx PC=yyy`

Explanation The system created a core file (named core1), in the C:/ directory, but there are errors in the file. The three-digit string xxx indicates the cause of the problem and yyy is the program counter's contents.

Action None required.

CHAPTER 6

Host Manager Messages

Host manager (HST) messages describe system software conditions associated with host links and internal overlays.

Some messages specify two Ethernet code elements:

- Error code number
- Error code text

Ethernet error codes are described in Table 6-1.

Table 6-1 Ethernet Error Codes

Error Code	Error Code Text
000	—
A01	Not Owner
A03	No Such Process
A06	No Such Device Or Address
A0D	Permission Denied
A11	Socket Already Exists
A16	Invalid Argument
A18	Too Many Open Sockets
A20	Connection Closed From Host
A23	Operation Would Block[1]
A24	Operation Now In Progress
A25	Operation Already in Progress
A26	Invalid Socket Argument
A27	Destination Address Required
A28	Message Too Long
A29	Protocol Wrong Type For Socket
A2A	Protocol Not Available
A2B	Protocol Not Supported
A2D	Operation Not Supported On Socket
A2F	Address Family Not Supported by Protocol

Table 6-1 Ethernet Error Codes (continued)

Error Code	Error Code Text
A30	Address Already In Use
A31	Can't Assign Requested Address
A32	Network Is Down
A33	Network Is Unreachable
A35	Software Caused Connection To Abort
A36	Connection Was Reset By Peer
A37	No Buffer Space Available
A38	Socket Is Already Connected
A39	Socket Is Not Connected
A3C	Connection Timed Out
A3D	Connection Refused
A40	Host Is Down
A41	No Route To Host
A54	Bad Internet Address
A55	Bad Network In Internet Address
FFFFFFFF	Incorrect Internet Address
FFFFFFFE	Incorrect Port Address
FFFFFFFC	Empty Socket Set Returned
FFFFFFFD	Incorrect Password

1. The VCO CPU's transmit TCP/IP buffer has attained maximum capacity and the VCO has disconnected the socket (HST013).

HST messages are described in the following manner:

`HSTnnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

HST Messages

HST001: Host Manager Initialization Complete

Explanation The host manager processing subsystem was successfully initialized as part of the overall system initialization. All host links defined in the system database are now active.

Action None required.

HST002: Host <host link name> Has Failed Due To: [error name]

Explanation The host link specified failed due to the condition described in the message. This condition can be a physical failure or a protocol violation. No host commands can be processed or reports generated by the system over this link. The message details the internal processing failure. One of the following general socket errors was detected:

- [error name]
- Socket write error
- Socket read error
- Socket select error
- Admin request

Action Further information contained in message HST013 can be used to diagnose the fault. HST002 will appear together with HST013.

HST003: Host <host link name> Restored

Explanation The host link specified was restored to service. This is an advisory message.

Action None required.

HST004: Host Interface <host link name> Has Failed

Explanation The host interface specified (internal, SIO Port 3, SIO Port 4, or Ethernet) failed due to a physical condition (such as the host link connections being physically severed). This condition may affect only a single link or multiple links in the case of Ethernet sockets. Communication between the host and VCO cannot take place over the specified interface. This message may be preceded or followed by other messages indicating the reason for the failure.

Action Take corrective action as appropriate, indicated by the accompanying messages.

HST005: Activate Request For Active Overlay

Explanation The host manager subsystem received an erroneous internal activation request for the TeleRouter overlay (TeleRouter currently enabled). This condition does not affect system processing.

Action None required.

HST006: Deactivate Request For Inactive Overlay

Explanation The host manager subsystem received an erroneous internal deactivation request for the TeleRouter overlay (TeleRouter currently disabled). This condition does not affect system processing.

Action None required.

HST010: Initialization Of Ethernet Interface Has Failed

Explanation The system was unable to establish one or more Ethernet socket connections during system initialization. No Ethernet communication can be performed.

Action Check the physical connections and communication parameters defined in the Host Configuration screen.

HST011: Ethernet IPC <host link name> [error name] $[error code number]:[error code text]

Explanation An internal interprocessing communication fault occurred within the Ethernet subsystem. Refer to Table 6-1 for error code descriptions. The message details the internal processing failure. One of the following general socket errors was detected:

- [error name]
- Socket write error
- Socket read error
- Socket select error

Action Socket write and read errors most often occur as a result of slow reading on the part of the host system. The Ethernet buffer for a connection is not large. If the host experiences delays in keeping the buffer properly emptied, it can fill quickly and inhibit the ability of the VCO to write additional packets to the buffer. When this occurs, ensure that the network segment is not being disrupted by excessive amounts of other traffic which keep the host system from accessing the VCO. Additionally, the host system must not be preoccupied with other tasks with higher priority than reading from the VCO.

HST012: Host <host link> Login Attempt From – [host name]

Explanation The Ethernet socket connection specified in the message was established. This condition only occurs when Password Checking is enabled via the System Features screen.

Action None required.

`HST013: Host <host link name> [error name] $[error code number]:[error code text]`

Explanation An interprocessing communication fault occurred on the Ethernet connection specified. The message details the processing failure. Refer to Table 6-1 for error code descriptions. The indicated socket (host name) detected one of the following error conditions:

- [error name]
- Socket write error
- Socket read error
- Socket create error
- Socket configuration error
- Socket accept error
- Socket login error
- Admin request

Action

Socket write errors and socket read errors:
Socket write and read errors most often occur as a result of slow reading on the part of the host system. The Ethernet buffer for a connection is not large. If the host experiences delays in keeping the buffer properly emptied, it can fill quickly and inhibit the ability of the VCO to write additional packets to the buffer. When this occurs, ensure that the network segment is not being disrupted by excessive amounts of other traffic which keep the host system from accessing the VCO. Additionally, the host system must not be preoccupied with other tasks with higher priority than reading from the VCO. Other socket errors can occur if the configuration is not correct or an attempt to bind to the socket uses incorrect configuration information. Verify all socket configuration information in the VCO Host Configuration screen and in the host system. If problems persist, use a network analyzer to identify the problem.

Admin request errors:
A system administrator logged into the system and changed the data in at least one of the fields in the System Configuration screen.

`HST014: Internet Host Ping Failure`

Explanation A host that is configured for ping processing (from the Host Configuration screen) is not responding to the pings from the system. Ethernet communications with the specified host may not be possible.

Action Verify physical connections between the VCO and the network segment. Verify host configuration information in the VCO and the host system.

`HST015: Internet Host Ping Failure Has Cleared`

Explanation This alarm is raised when HST014: Internet Host Ping Failure has cleared. Ethernet communications with the specified host have been restored.

Action None required.

```
HST016: Network of Host <host link> [host name] Unreachable
```

Explanation The SDS/VCO is trying to communicate with a host that is configured outside the SDS/VCO system's network. Ethernet communications between the VCO and the specified host is not possible.

Action Verify the host configuration parameters in the VCO. Ensure that the appropriate Ethernet configuration is entered on the VCO. Ensure that the host system is on the appropriate Ethernet segment and is configured with the correct IP address. Verify all physical connectivity.

CHAPTER 7

Peripheral Manager Messages

Peripheral manager (PRM) messages describe system software conditions associated with system peripherals—consoles, modems, and printers.

PRM messages are described in the following manner:

`PRMnnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

PRM Messages

`PRM001: Error Flushing Console Buffer`

Explanation An internal error occurred when the system attempted to write the contents of the screen buffer to the console device. The system may be unable to interpret keystrokes from the administration console.

Action Reset the system. If the problem continues, contact the Cisco Systems TAC for assistance.

`PRM002: Timeout Waiting For Console Access, Owner is: [name]`

Explanation The task controlling the area of the administration screen identified in the message (main display, VCA/date-time setting or message line) monopolized control of the display. Keystrokes from the console device are ignored and screen access is blocked.

Action To clear this condition, reset the console and verify the console's communication settings (refer to the OEM documentation supplied with the terminal). Reset the system if necessary. If the condition continues, contact the Cisco Systems TAC.

`PRM003: Cannot Open Screen Format File`

Explanation The system was unable to open the screen format file for this function/utility. The screen cannot be displayed and screen access is blocked.

Action This condition may indicate a corruption of the format file. Reset the system. If the condition persists, reinstallation of the system software may be required. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM004: Cannot Find Screen Format`

Explanation The system was unable to find the screen format data in the file for this screen (file is probably corrupted). The screen cannot be displayed and screen access is blocked.

Action Reset the system. If the problem persists, reinstallation of the system software may be required. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM006: Format Read Error`

Explanation The system was unable to read the screen format data in the file for this screen (file is probably corrupted). The screen cannot be displayed and screen access is blocked.

Action Reset the system. If the problem persists, reinstallation of the system software may be required. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM007: Error Closing Screen Format File`

Explanation The system was unable to close the screen format file for this screen (file is probably corrupted). The screen cannot be displayed and screen access is blocked.

Action Reset the system. If the problem persists, reinstallation of the system software may be required. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM009: Unknown Read Error`

Explanation An unexpected read error was encountered while accessing the disk device. The attempted operation will not be successful.

Action Retry the operation; if the condition persists, investigate a possible storage subsystem problem.

`PRM010: Unexpected End of File`

Explanation The system encountered the end-of-file marker before completing the read action. The file is probably corrupted.

Action Reset the system. If the problem persists, reinstallation of the system software may be required. If you are unable to resolve this problem, contact the Cisco Systems TAC.

`PRM011: Console Semaphore Release Error, Owner is: [name]`

Explanation The task controlling the area of the administration screen identified in the message (main display, VCA/date-time setting or message line) attempted to release control of the display, but an internal processing error prevented it. Keystrokes from the console device may be ignored and screen access is blocked. This message is followed by a PRM002 message.

Action If the problem persists, reset the system. If a system reset does not clear the problem, contact the Cisco Systems TAC.

`PRM012: Field Number Not Specified`

Explanation The screen format file for this utility is corrupted or was not read properly. The screen cannot be displayed.

Action Use the Main Menu, Prev Menu and/or Exit keys to return to the main menu and retry the operation.

`PRM013: Invalid Field Number Specification`

Explanation The screen format file for this utility is corrupted or was not read properly. The screen cannot be displayed.

Action Use the Main Menu, Prev Menu and/or Exit keys to return to the main menu and retry the operation.

`PRM014: System Trace Enabled On Reboot`

Explanation The user selected the Enable On Reboot option on the System Trace Configuration screen. When this option is chosen, the system begins/continues the trace task(s) defined following a system reset.

Action None required.

`PRM015: Administrator Console Timeout`

Explanation No keyboard activity was detected from the logged in local console for 15 minutes. The system reverted to the System Login screen.

Action None required.

`PRM016: Queue Read Error, ID No: x Error y`

Explanation Error while reading an element from the queue specified by ID No: x. The error is specified by y. The operation in progress is interrupted.

Action Try the operation again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM018: Error Opening File [filename]`

Explanation The file could not be opened. There are two possible causes for this message:

- During an update to the database, a disk error was detected while trying to open the file specified in the message. The update was not completed. Suspect a storage subsystem problem.
- You did not create a directory for the log/trace file. Although the File System Configuration screen allows you to specify the diskette drive (device A:) to store and retrieve system log and trace files, the system does not create the necessary directory while configuring the file system. To correct this problem, create a directory for the log or trace files on the diskette.

Action See comments under Explanation.

`PRM019: Error Reading File [filename]`

Explanation During an update to the database, a disk error was detected while trying to read the file specified in the message. The update was not completed.

Action If the problem persists, investigate a possible storage subsystem problem.

`PRM020: Error Writing File [filename]`

Explanation During an update to the database, a disk error was detected while trying to write to the file specified in the message. The update was not completed.

Action If the problem persists, investigate a possible storage subsystem problem.

`PRM021: Error Closing File [filename]`

Explanation During an update to the database, a disk error was detected while trying to close the file specified in the message. The update was not completed.

Action If the problem persists, investigate a possible storage subsystem problem.

`PRM022: Error Flushing File [filename]`

Explanation An internal error occurred while the system was writing the contents of the file buffer specified to the hard disk drive. The update was not completed.

Action If the problem persists, investigate a possible storage subsystem problem.

`PRM023: Unknown Disk Action Request`

Explanation An erroneous message was received by the disk manager processing task. The request was ignored. This condition does not affect system processing.

Action If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM024: File System Closed Successfully`

Explanation All open system files were successfully updated and closed as part of a system shutdown.

Action None required.

`PRM025: Error Closing File System`

Explanation During a system shutdown, an internal error was detected when the system attempted to close the open system files.

Action After the system is shutdown, reset the system. If the problem persists during system shutdown, investigate a possible storage subsystem problem.

`PRM026: Memory Allocation Error`

Explanation The system has encountered an error while allocating the dynamic memory from the system memory pool. Call processing may be affected or interrupted.

Action The system should clear automatically. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM027: Queue Create Error, ID No: x Error No: y`

Explanation The system has encountered the error specified by Error No: y while creating the queues specified by ID No: x. The error occurs due to one of two possible reasons: system memory has reached maximum capacity or the specified queue ID is already used. Call processing may be affected or interrupted.

Action The system should recover automatically. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM028: Error xx Creating STDIO Files For Task [task name]`

Explanation An internal processing error occurred when the system attempted to open the device descriptors for the Local TTY device. The system is unable to recognize the local administration (Console or Telnet) device.

Action Ensure that the system console is properly connected and powered on. If the problem persists, reset the system. If unable to resolve the problem, contact the Cisco Systems TAC.

`PRM029: Error Changing Local TTY Device To [interface]`

Explanation An internal error occurred when the user attempted to change the Local TTY device to the interface specified in the message (Console or Telnet) using the Peripheral Configuration screen. The system is unable to recognize the new Local TTY device.

Action Ensure that the Local TTY device is properly connected and powered on. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM030: Error xx Configuring Console Device`

Explanation An internal error occurred when the user attempted to define the operating parameters (baud rate, stop bits, bits per character and parity) of the local console using the Peripheral Configuration screen. The desired change was not implemented.

Action Try to make the desired change again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM031: Error xx Configuring Remote Device`

Explanation An internal error occurred when the user attempted to define the operating parameters (baud rate, stop bits, bits per character and parity) of the remote maintenance modem using the Peripheral Configuration screen. The desired change was not implemented.

Action Try to make the desired change again. If the problem persists, reset the system. If unable to resolve the problem, contact the Cisco Systems TAC.

`PRM032: Error xx Configuring Printer Device`

Explanation An internal error occurred when the user attempted to define the end-of-line terminator for the system printer using the Peripheral Configuration screen. The desired change was not implemented.

Action Try to make the desired change again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM033: Date/Time Set To [day month date, year]`

Explanation The system clock was modified to the date, time, and day of week settings shown in the message via the Clock/Calendar Configuration screen.

Action None required.

`PRM034: User <username> Logged In`

Explanation Identifies the user currently logged in to the system from the local master console.

Action None required.

`PRM035: User <username> Logged Out`

Explanation Identifies the user currently logged in to the system from the local master console.

Action None required.

`PRM036: File System Configuration Updated`

Explanation The system updated and stored changes to the database made using the File System Configuration screen.

Action None required.

`PRM037: File System Configuration Failure`

Explanation An error occurred when the system attempted to update and store changes to the database made using the File System Configuration screen. No changes were made to the file system configuration settings in the database. The original file system configuration settings are retained.

Action Try to make the desired change again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM038: Password Configuration Updated`

Explanation The system updated and stored changes to the database made using the Password Configuration screen.

Action None required.

`PRM039: Peripheral Configuration Updated`

Explanation The system updated and stored changes to the database made using the Peripheral Configuration screen.

Action None required.

`PRM040: System Features Configuration Updated`

Explanation The system updated and stored changes to the database made using the System Features Configuration screen.

Action None required.

`PRM041: Screen Access Configuration Updated`

Explanation The system updated and stored changes to the database made using the Screen Access Configuration screen.

Action None required.

`PRM042: System Trace Configuration Updated`

Explanation The system updated and stored changes to the trace tasks defined using the System Trace Configuration screen.

Action None required.

`PRM043: Disk Device [drive] Not Available`

Explanation The disk drive specified (A: for floppy drive, C: for hard drive) could not be accessed by the system. The system is unable to access the indicated disk device.

Action If drive A: is indicated, verify that a floppy diskette is inserted in the drive. If the hard drive is specified, investigate a possible storage subsystem problem. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM044: Host Link Configuration Updated`

Explanation The system updated and stored changes to host links defined using the Host Link Configuration screen.

Action None required.

`PRM045: Error(s) During Host Link Configuration Update`

Explanation One or more errors occurred when the system attempted to update and store changes to the database made using the Host Configuration screen. No changes were made to the host link configuration settings in the system database. The original host link configuration settings are retained.

Action Try to make the desired change again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM047: Error Configuring Telnet Device`

Explanation An internal error occurred while the user attempted to define the operating parameters of the Telnet TTY terminal using the Peripheral Configuration screen. No changes were made to the Telnet TTY configuration.

Action Try to make the desired change again. If the problem persists, reset the system. If you are unable to resolve the problem, contact the Cisco Systems TAC.

`PRM048: Remote XON/XOFF enabled`

Explanation The user enabled the Remote XON/XOFF feature from the Peripheral Configuration screen.

Action None required.

`PRM049: Remote XON/XOFF disabled`

Explanation The user disabled the Remote XON/XOFF feature from the Peripheral Configuration screen.

Action None required.

`PRM050: Local XON/XOFF enabled`

Explanation The user enabled the Local XON/XOFF feature from the Peripheral Configuration screen.

Action None required.

`PRM051: Local XON/XOFF disabled`

Explanation The user disabled the Local XON/XOFF feature from the Peripheral Configuration screen.

Action None required.

`PRM052: Ethernet/NFS Params Updated. Address On Reboot Is a.b.c.d`

Explanation This message confirms the configuration of a new internet address of the system, which will take effect with the next system reboot. The new system internet address represented in dotted decimal form is stored in the NVRAM. While booting the system following reconfiguration, the following message appears on screen, showing the current internet address: System Internet Address is a.b.c.d.

Action None required.

CHAPTER 8

Redundant System Error and Status Messages

Redundant system error and status (RED) messages describe system software conditions associated with system controller redundancy and update channel processing.

RED messages are described in the following manner:

`REDnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

RED Messages

`RED01: ACT Date/Time Sent (Active only)`

Explanation Date/time was sent to the standby controller in a redundant system. The update channel established itself and the ACT system initiates file synchronization.

Action None required.

`RED02: Status Ready Sent`

Explanation The controller indicates that file synchronization is ready to begin. On the active side, all card status updates were sent and controller has waited for the "Status Ready" message from the standby side. On the standby side, the "Status Ready" message is received from the active side.

Action None required.

`RED03: *** Data Overflow – Channel Will Be Stopped **`

Explanation Too much update information is being held to be passed from one controller to the other. The update channel is turned off and data that is held on the system is thrown away. The channel reestablished itself and file synchronization processing restarts. This condition can occur when a new database is being created or loaded on the active side.

Action None required.

`RED04: WARNING: Error Logs on SBY Will Not be Complete`

Explanation Error log file space on this system is no longer available. The other controller is still processing, but its error logs do not match those on the active controller. This generally occurs when one side runs for an extended period of time without the other running or without the update channel established.

Action Remove unneeded files from the hard drive to make space for additional error logs.

`RED08: Starting Database Reload`

Explanation The database is being reloaded from hard disk on the standby side, after receipt of at least one database file from the active side during file synchronization.

Action None required.

`RED10: Bad Error Message Packet Rec'd – Type x Length x`

Explanation The standby controller received a faulty message packet across the update channel.

Action If the problem persists, investigate possible problems with SWI/Combined Controller cards.

`RED12: Database Reload Has Completed`

Explanation The database was updated on the standby side and was reloaded into DRAM. Both the active and standby sides now have the same database information.

Action None required.

`RED13: ERROR: Unable to Update Date/Time on SBY`

Explanation The standby controller is unable to update its date/time—possible clock error on either side. This could also indicate a faulty SWI card on either side. The active side always controls system time. The standby side tries to update the clock five times before reporting this error. There is a loss of time synchronization between the active and standby controllers.

Action Investigate possible problems with the SWI/Combined Controller or CPU cards.

`RED14: ERROR xx Creating [filename]`

Explanation An error was detected while attempting to create the file specified in the message during file synchronization. The file could not be created.

Action If the problem persists, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, or Storage I/O Module.

`RED15: ERROR xx Inserting in [filename]`

Explanation An error was detected while attempting to insert data into the file specified in the message during file synchronization. The file was not changed.

Action If the problem persists, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, or Storage I/O Module.

`RED16: ERROR xx Opening [filename]`

Explanation An error was detected while attempting to open the file specified in the message during file synchronization. The file could not be opened. This can occur if the hard disk drive has become full. This can occur if tracing is activated and left to run over a long period of time or during very high call volume. If the disk drive becomes full, further file system activity cannot be performed.

Action Boot the system from the installation diskette and use the Disk Utilities screen to identify and remove any unnecessary large files to free up disk space. If space is not the problem, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, or Storage I/O Module.

`RED17: ERROR xx Updating [filename]`

Explanation An error was detected while attempting to update the file specified in the message during file synchronization. The file was not updated.

Action If the problem persists, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, Storage I/O Module.

`RED18: ERROR xx Closing [filename]`

Explanation An error was detected while attempting to close the file specified in the message during file synchronization. The file could not be closed.

Action If the problem persists, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, or Storage I/O Module.

`RED20: SBY File Sync Complete`

Explanation The standby system controller was fully synchronized with the active controller.

Action None required.

`RED21: ERROR: Bad Date/Time Update Packet Rec'd – Type x`

Explanation The standby controller received a faulty date/time message packet across the update channel. The channel does not establish itself between the two controllers. File synchronization does not begin.

Action The system should recover automatically. If the problem persists, investigate possible problems with the following: CPU, SCSI cable, hard disk and floppy disk assembly, Storage I/O Module.

`RED22: File Sync Has Started`

Explanation The automatic file synchronization task between redundant system controllers was initiated over the update channel. This message prints once for the active controller and once for the standby controller.

Action None required.

`RED24: ERROR: Unknown File Xfer Packet Rec'd – File = [filename]`

Explanation The standby controller received file transfer data for an unknown file from the active controller. This could indicate a faulty SWI card on either side or a software error. Unknown data is discarded.

Action The system should recover automatically. If the problem persists, investigate possible problems with the following: CPU, hard disk and floppy disk assembly, SCSI cable, or Storage I/O module.

`RED25: ERROR: Data Lost Xferring [filename]`

Explanation Records were lost for a data file while being transferred across the update channel to the standby controller. File synchronization is aborted and the update channel is reestablished.

Action If the problem persists, investigate possible problems with the SWI/Combined Controller.

`RED28: File Synchronization Has Timed Out`

Explanation Automatic file synchronization time expired; file transfer is not complete. The update channel fails and is reestablished.

Action None required.

`RED29: ERROR: Bad XFER Packet Rec'd`

Explanation A corrupted transfer packet was detected by the receiving system controller. File synchronization is aborted, and the update channel fails and is reestablished.

Action If the problem persists, investigate possible problems with the SWI/Combined Controller.

`RED30: ERROR nn, Removing [filename]`

Explanation An error occurred while trying to remove the old copy of a database file on the standby side during file synchronization processing. File synchronization is aborted, and the update channel fails and is reestablished.

Action If the problem persists, investigate possible problems with the SWI/Combined Controller.

`RED31: SBY Checkpoint Sent`

Explanation A checkpoint is used to indicate that changes were made to the database file. Whenever a change is made to a file, the checkpoint is incremented. During file synchronization, this checkpoint data is sent by the standby controller to the active controller. This is the second step in the file synchronization process.

Action None required.

`RED32: ACT File Sync Completed`

Explanation The active system controller is now fully synchronized with the standby system controller.

Action None required.

`RED33: ERROR: Unable to Update Transferred File [filename]`

Explanation Somewhere in the process of renaming the received file, and removing the original file, the update task failed. System controllers are no longer synchronized. File synchronization aborts, and the update channel fails and is reestablished.

Action If the problem persists, investigate possible problems with the SWI/Combined Controller.

`RED34: System Reset Forced By Host`

Explanation A Change Active Controllers command was issued by the host. If the controller was active, it is now standby, and a reset of the controller occurs.

Action None required.

`RED35: ERROR: Unable to Update Active Tone Card`

Explanation The standby controller is unable to mark a specific DTG as active as passed by the active controller because of an internal error. This is followed by a system reboot. The standby controller is reset.

Action If the problem persists, investigate possible update channel problems with the SWI/Combined Controller.

`RED37: ERROR: xxx Reading [filename]`

Explanation An error was detected while trying to read the file specified in the message. If [filename] was being transferred, then file synchronization is aborted and the channel fails and is reestablished.

Action If the problem persists, investigate possible problems with the following: hard disk and floppy disk assembly, SCSI cable, or Storage I/O module.

`RED38: System Switched by Host`

Explanation The active and standby controllers were switched because a Change Active Controllers ($C0 01) command was issued by the host. The active side is now standby. The standby side is now active.

Action None required.

`RED39: System Switched by Operator`

Explanation The operator switched active and standby controllers via the Maintenance Menu screen. The active side is now standby. The standby side is now active.

Action None required.

`RED41: System Time Set By Host on xx System`

Explanation The system time was set by the host using the Configure VCA/Set System Clock ($C0 00) command on the controller indicated by xx (active or standby). System time is changed.

Action None required.

`RED42: Standby DB Update Error – Bad Record Size, File [filename]`

Explanation An error was detected while trying to update the database file specified on the standby controller. File synchronization was lost between the active and standby controllers for this specific file. File synchronization is reestablished following an update channel failure or system reboot.

Action None required.

`RED43: Standby DB Update Error – Bad Record Offset, File [filename]`

Explanation An error was detected while trying to update the database file specified on the standby controller. File synchronization was lost between the active and standby controllers for this specific file. File synchronization is reestablished following an update channel failure or system reboot.

Action None required.

`RED44: Standby DB Update Error – Bad Record Count, File [filename]`

Explanation An error was detected while trying to update the database file specified on the standby controller. File synchronization was lost between the active and standby controllers for this specific file. File synchronization is reestablished following an update channel failure or system reboot.

Action None required.

`RED45: Standby DB Update Error – DB Queue Error, File [filename]`

Explanation An internal queue overrun error occurred when the active controller attempted to transmit a database update to the standby controller. File synchronization was lost between the active and standby controllers for this specific file. File synchronization is reestablished following an update channel failure or system reboot.

Action None required.

`RED46: Standby DB Update Acknowledged, File [filename]`

Explanation The database file specified was successfully updated on the standby controller.

Action None required.

`RED47: WARNING: ACT & SBY Licensed Different`

Explanation The A and B sides of the redundant system are not licensed for the same amount of time slots. If this condition is not corrected, the system uses the lower number of time slots on both sides. System operation is not affected. It may not be possible to add additional cards to the database.

Action Ensure that appropriate license numbers are entered for both the A and B side controllers. Contact the Cisco Systems TAC for assistance.

`RED48: WARNING: SBY Serial Number Mismatch`

Explanation The CPU card on the standby side has been replaced. In order for the standby side to operate, you must update its license number.

Action Access the License Configuration screen and update the license number.

CHAPTER 9

TeleRouter Processing Messages

TeleRouter processing (TRT) messages describe system error conditions associated with call routing. Some messages specify two codes, in hexadecimal format:

- Cause of the error
- Error's point of origination

Cause codes are described in Table 9-1, and point of origination codes are described in Table 9-2.

Table 9-1 Cause Codes

Code (Hex)	Description
01	Routing action was successful.
08	Action requested by standby side, but can only be processed on the active side.
0D	Invalid resource group number.
10	Invalid incoming port address (not in valid range).
12	Port address in command is not a line or trunk.
18	Port address specified in command is the wrong type, resource group, or class of service.
1F	Unable to find an available port in resource group specified in command or internal resource group implied by the command type.
21	Line/trunk port not off hook.
22	Port of this type or group is already linked into this call's resource chain.
24	Port address specified in command is for a port or card that is not active.
25	All tone channels are busy.
26	Port is in an uncontrollable state (CP_MBUSY, CP_GARD, CP_RDR, CP_DISC).
29	Internal error—command cannot be completed.
2B	The inpulse or outpulse rule number specified in the command is invalid. Valid range is 1 to 30.
37	Both an inpulse and outpulse rule were specified for execution.
39	Resource group specified for hunting is of the wrong resource type.

Table 9-2 Point of Origination Codes

Code (Hex)	Description
01	Reason for change is unknown; caused by host.
02	Reason for change is unknown; caused by system.
12	Port busied out via system administration's Card Maintenance screen.
22	Port busied out via system administration's Set Path screen.
32	Port busied out from far end.
42	Port busied out because auto makebusy error threshold achieved.
52	Port busied out due to internal card error (currently SRC only).

TRT messages are described in the following manner:

`TRTnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

TRT Messages

`TRT01: Route Failure: Code XX, ICT XX, Table t, Route X, Attempt n`

Explanation A route attempt (n) failed for the specified incoming port and route information (X) on routing table (t). The call could not be routed as desired.

Action Refer to Table 9-1 and Table 9-2 for the routing error code identifying the reason for the failure.

`TRT02: Rule Failure: Code XX, ICT XX, Table t, Route X, Attempt n`

Explanation An attempt (n) to execute an inpulse rule has failed for the specified incoming port and route information (X) on routing table (t). The call could not be routed as desired.

Action Refer to Table 9-1 and Table 9-2 for the routing error code that provides the reason for the failure.

`TRT03: Teardown Failure: Code XX, ICT XX`

Explanation An attempt to release the specified incoming port has failed. The incoming port may be in an unusable state.

Action Refer to Table 9-1 and Table 9-2 for the routing error code that provides the reason for the failure.

```
TRT10: Overlay Transmit Overrun Encountered: Buffer XX
```

Explanation An overflow condition has occurred during message transmission to the call routing overlay. Call processing using TeleRouter may be delayed or interrupted.

Action A series of such errors indicates a possible system failure.

```
TRT11: Overlay Receive Buffer Deallocation Error - XX
```

Explanation The call routing overlay could not return the allocated buffer space back to the memory pool. Call processing using TeleRouter may be delayed or interrupted.

Action A series of such errors indicates a possible system failure.

```
TRT12: Overlay Message Parsing Error - XX
```

Explanation The message received by the call routing overlay cannot be processed and is discarded. Call processing using TeleRouter may be delayed or interrupted.

Action A series of such errors indicates an internal processing problem.

```
TRT20: PSC Exists On Port $XX - Code XX, Group X
```

Explanation The port in the resource group specified is undergoing permanent signal condition (PSC) processing. The outgoing port could not be used. Call processing may be delayed or interrupted.

Action The code value (XX) indicates the reason for the permanent signal condition (PSC). This value corresponds to the PSC code of the Permanent Signal Condition ($D2) report. Convert the value from hex to binary and refer to the *Cisco VCO/4K Extended Programming Reference* for interpretation.

```
TRT21: PSC Clear On Port $XX - Code 00, Group X
```

Explanation The permanent signal condition (PSC) has cleared on the port in the specified resource group (X).

Action None required.

```
TRT22: Port $XX Is Online - Code XX, Group X
```

Explanation The specified port in the resource group indicated has returned to service.

Action The code value (XX) indicates the reason that the port was originally taken out-of-service (OOS). Refer to Table 9-2 for OOS point of origination code values.

`TRT23: Port $XX Is Offline - Code XX, Group X`

Explanation The specified port in the resource group indicated has been removed from service. Call processing may be delayed or interrupted.

Action The code value (XX) indicates why the port was taken out-of-service (OOS). Refer to Table 9-2 for OOS point of origination code values.

`TRT24: Supervision Error Detected - Port $XX, Group X, Code XXXX`

Explanation A supervision error has occurred on the port in the specified resource group. Call processing may be delayed or interrupted.

Action The code values (XXXX) correspond to the Answer Supervision Code bytes in the Outgoing Port Change of State ($DA) report assuming the Change byte is 20. Refer to the *Cisco VCO/4K Extended Programming Reference* for detailed error descriptions.

`TRT25: Inpulse Rule Aborted - Port $XX, Rule X`

Explanation The inpulse rule (X) that was being performed on the port specified (XX) has been aborted. The outgoing call cannot be completed. Call processing may be delayed or interrupted.

Action Examine the Inpulse Rule Complete ($DD) report to determine the cause of the aborted inpulse rule. Refer to the *Cisco VCO/4K Extended Programming Reference* for detailed error descriptions.

`TRT26: Resource Limitation Exists for Group X (MIN ALRM SET)`

Explanation No ports are currently available in the resource group specified (X). A minor alarm has been set. Call processing is delayed until resources are available.

Action Wait for the system to free resources. Add additional resources to the indicated resource group.

`TRT27: Resource Limitation Clear For Group X`

Explanation The resource limitation condition that existed for the resource group specified (X) has been cleared.

Action None required.

`TRT28: WARNING - 3/4 Of Resource Group X Has Been Busied Out (MIN ALRM SET)`

Explanation A resource limitation is pending for the group specified (X). An excess of ports within the resource group (75 percent or more) have been removed from service, either via system administration or by the auto makebusy function.

Action Return ports to the in service state.

```
TRT29: Resource Group X Warning Condition Has Cleared
```

Explanation The resource limitation warning has been cleared for the resource group specified. Indicates the amount of ports out-of-service in the resource group has dropped below 50 percent (at least half the ports in the group are now available).

Action None required.

CHAPTER 10

Signaling System No. 7 Messages

Signaling System No. 7 (SS7) messages describe error and status messages associated with American National Standards Institute/International Telecommunication Union (ANSI/ITU) and Integrated Services Digital Network User Part (ISUP) applications.

SS7 messages appear in the log directory ($XNV/log) in a file named in the following manner: cktint-Mmmdd.log. The mnemonic Mmm represents the month and dd represents the day of the month. For example, the log filename for April 23 is designated as cktint-Apr23.log. SS7 messages are described in the following manner:

`nnn: Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

SS7 Messages

`001: Couldn't open the Parameter Order Configuration File`

Explanation The cktint was not able to open the parameter order configuration file.

Action Make sure that param_ord.cfg file is present in the $XNV directory.

`012: TX to VCO failed, no link connected`

Explanation The internally generated message could not be transmitted to the SDS/VCO since no link is connected.

Action Verify that the VCO link is configured properly in the CktInt.cfg configuration file in the $XNV directory. Run the script tcp-links to verify the status of the host and VCO links. If the host link is offline, connect a host.

`015: HOST TX to VCO failed`

Explanation The transmission of a host message to the SDS/VCO through cktint has failed while writing to the message queue.

Action Verify that all processes are running. If they are all running, verify that the total number of messages outstanding in all the message queues together have not exceeded the system configuration limit (1600) by running the command ipcs -ob from the command line. If they have not exceeded the limit, verify that the host links are connected. If they are connected, bring down cktint and the stack and bring them up again.

`016: TX to VCO failed`

Explanation The internally generated cktint message has failed to reach the SDS/VCO due to a queue write error.

Action Verify that all processes are running. If they are all running, verify that the total number of messages outstanding in all the message queues together have not exceeded the system configuration limit (1600) by running the command ipcs -ob from the command line. If they have not exceeded the limit, verify that the host links are connected. If they are connected, bring down cktint and the stack and bring them up again.

`017: TX to HOST failed`

Explanation The cktint report to host has failed due to queue write error.

Action Verify that all processes are running. If they are all running, verify that the total number of messages outstanding in all the message queues together have not exceeded the system configuration limit (1600) by running the command ipcs -ob from the command line. If they have not exceeded the limit, verify that the host links are connected. If they are connected, bring down cktint and the stack and bring them up again.

`023: ckt_ss7_to_sds - Invalid group number`

Explanation An invalid group number is detected in the circuit configuration data.

Action Make sure that the trunk group number specified in the ckt_ss7_to_sds file is also configured in the grp_ss7_to_sds file.

`026: Invalid SS7 Primitive Detected`

Explanation An invalid SS7 primitive has been received by the cktint from the EBS (ADC NewNet) stack.

Action Verify the primitive number and report it to Cisco Systems TAC.

`027: Undefined CIC Received`

Explanation An undefined circuit identification code (CIC) has been received from the EBS (ADC NewNet) stack.

Action Ensure that all circuits configured in the EBS (ADC NewNet) stack are also configured in cktint.

`028: Invalid Circuit Maintenance event detected`

Explanation An invalid SS7 circuit maintenance message is received from the network.

Action Verify the message type and ensure that it is a valid ISUP message.

`029: Circuit Validation Test Failed`

Explanation The circuit validation response for an outgoing circuit validation test indicates failure.

Action Verify this failure notification with the network operator.

`031: Circuit Query State Mismatch`

Explanation There is an inconsistency between the local state and the remote state of a circuit.

Action Reset the circuit through isup_console.

`032: Circuit Query Response, Undefined CIC`

Explanation Circuit query response message with undefined circuit identification code (CIC) has been received from the EBS (ADC NewNet) stack.

Action Verify the circuit configuration on both cktint and the EBS (ADC NewNet) stack.

`033: Circuit Reset, Undefined CIC`

Explanation Circuit reset message has been received from the EBS (ADC NewNet) stack on a circuit which is not configured in cktint.

Action Verify the circuit configuration on both cktint and the EBS (ADC NewNet) stack to ensure there is no inconsistency.

`035: Maximum circuits exceeded in CKT GRP`

Explanation The maximum supported circuits per trunk group has been exceeded.

Action In the ckt_ss7_to_sds configuration file, check that each trunk group has only a maximum of 24 circuits for ANSI with circuit ID 0 to 23 and a maximum of 32 circuits for ITU with circuit ID 0 to 31.

`037: Interworking TX to PORTICO failed`

Explanation A cktint-generated SS7 message to the EBS (ADC NewNet) stack failed while writing to the queue.

Action Try to reduce the length of the SS7 Network Message Generation ($49) command from the host for that particular message if the number of parameters is greater than 14, for releases before CCITT V5.1 FSR02 for ITU. If the problem persists, verify that all processes are running. If they are all running, verify that the total number of messages outstanding in all the message queues together have not exceeded the system configuration limit (1600) by running the command ipcs -ob from the command line. If they have not exceeded the limit, verify that the host links are connected. If they are connected, bring down cktint and the stack and bring them up again.

`039: hunt_circuit( ) - Hunt Failed`

Explanation The hunt failed to find an available circuit in the resource group specified. This error is seen when there is no resource available in that resource group.

Action The SS7 Network Message Generation ($49) command will be rejected with a network status byte (NSB) of 0xC9 (NSB_NO_RESOURCE). The host application should handle this NSB.

`040: load_params()- Undefined Parameter Name Found:`

Explanation An undefined parameter has been received from the network.

Action None required.

`042: Resource Group Size Exceeded, Group number:`

Explanation The number of ports in the resource group has exceeded the maximum number of ports allowed in a resource group.

Action Verify that the res_grp.cfg file resided in the $XNV directory and ensure that the number of ports in the resource group number printed in the error message has not exceeded the maximum limit. Refer to the appropriate SS7 supplement for information on maximum number of ports that can be configured in each resource group.

`043: build_resource_group, System:`

Explanation An error was encountered when building the resource groups. The resource group number has exceeded the maximum limit.

Action Verify that the res_grp.cfg file resides in the $XNV directory and ensure that the resource group number has not exceeded the maximum number of allowed resource groups. Refer to the appropriate SS7 supplement for the resource group range.

044: Undefined SS7 Message Requested

Explanation An undefined SS7 message has been received from the host.

Action Verify the message type and make sure the host application does not send this message. If it is a valid message, report this situation to the Cisco Systems TAC.

045: SS7 Protocol Violation Msg

Explanation An SS7 Network Message Generation ($49) command with an unexpected ISUP message was received from the host.

Action Verify the SS7 protocol specification to determine whether this message is allowed in that particular call state. If it is allowed, report this situation to the Cisco Systems TAC. Otherwise, ensure that the application does not send this message during that call state.

046: Invalid Template Specified:

Explanation This error is seen in two scenarios:

a. An invalid SS7 message template has been specified in the SS7 Network Message Generation ($49) command.
b. An invalid SS7 message template number has been specified in the CktInt.cfg file.

Action In the first scenario (a.) ensure that the required template file specified exists in the $XNV/templates directory. In the second scenario (b.) ensure that the template number specified the cktint.cfg file is a valid template number.

048: Non existent template number specified

Explanation A nonexistent template number is specified in the default_templates file.

Action Verify that a template file exists for the template number specified in the default_templates file.

049: unload_params( ) - Undefined Parameter Name Found

Explanation An undefined parameter has been found in an ISUP message from the host.

Action If the host sends this undefined parameter to the network, ensure that this parameter is added in the param-ord.cfg file.

051: unload_params - Parameter Count Too Large

Explanation The parameter count in the SS7 Network Message Generation ($49) command's ISUP message is greater than the maximum supported value of 64.

Action Reduce the parameters sent in the $49 command.

`052: unload_params - Parameter Size Too Large`

Explanation The parameter length in the SS7 Network Message Generation ($49) command's ISUP message is greater than the maximum supported value of 255. The $49 command will be rejected with a network status byte of 0xCB (NSB_PARAM_ERROR_IN_SEGMENT).

Action Verify the length of the parameter in the $49 command.

`055: Process( ) - Outgoing Continuity Test Failed On CIC:`

Explanation The outgoing continuity test has failed on the circuit identification code (CIC).

Action Verify the voice path.

`056: ISUP Parameter from Host Exceeds Max Length (Using Max)`

Explanation The cktint process has received an ISUP message from the host which contains a parameter whose length is greater than the maximum supported length for that particular parameter. The SS7 Network Message Generation ($49) command will be rejected with a network status byte of 0xCB (NSB_PARAM_ERROR_IN_SEGMENT).

Action Verify and correct the length of the parameter in the $49 command.

`057: ISUP Parameter from Network Exceeds Max Length (Using Max):`

Explanation The cktint process has received an ISUP message from the network which contains a parameter whose length is greater than the maximum supported length for that particular parameter. In this case, cktint strips the length to the maximum supported parameter length.

Action Verify with the network provider the sending of a parameter with an invalid length.

`061: Couldn't open the default `default_templates' File`

Explanation The cktint could not open the default templates file.

Action Verify that the default_templates file exists in $XNV/templates directory.

`063: Couldn't open the Group Mapping Configuration File`

Explanation The cktint could not open the group mapping configuration file grp_ss7_ss7_to_sds.

Action Verify that a proper grp_ss7_to_sds file exists in the $XNV directory.

`064: Couldn't open the Circuit Mapping Configuration File`

Explanation The cktint could not open the circuit mapping configuration file ckt_ss7_to_sds.

Action Verify that a proper ckt_ss7_to_sds file exists in the $XNV directory.

```
065: grp_ss7_to_sds - Out of Range Group Number
```

Explanation The group number is out of range in the group configuration file.

Action Correct the trunk group number to a proper value. Refer to the appropriate SS7 supplement for the range of valid trunk group numbers.

```
066: ckt_ss7_to_sds - Invalid Circuit
```

Explanation The port number specified in the ckt_ss7_to_sds file is invalid.

Action Configure a valid VCO/4K port address. Refer to the appropriate SS7 supplement for configuration information.

```
069: ProcArgs( ) - Invalid DEBUG switch value
```

Explanation The debug switch value specified in the isup_console ‘d’ option is invalid.

Action Specify a valid debug number. Refer to the appropriate SS7 supplement for instructions.

```
070: Ckt( ) - Unable to GET the CKTINT environment variable...
```

Explanation The cktint failed to get the XNV environment variable.

Action Log out and then log in as cktint. Run start-ss7.sh.

```
071: Ckt( ) - Failed trying to change directories to the CKTINT execution
directory...”
```

Explanation The cktint failed to change to the $XNV directory.

Action Verify that the $XNV directory exists. If does not exist, reinstall the software.

```
073: ckt_config()- Empty Circuit Mapping Configuration File:
```

Explanation The ckt_ss7_to_sds file is empty.

Action Configure valid circuits in the ckt_ss7_to_sds file.

```
079: ChildReg( ) - SS7 TX process FAILED...
```

Explanation The SS7 transmit process _ssisan has exited after failing to register with EBS (ADC NewNet) stack.

Action Verify that the EBS (ADC NewNet) stack is running. If it is running, bring down cktint and the EBS stack and restart them.

```
080: ChildReg( ) - SS7 RCV process FAILED...
```

Explanation The SS7 receive process _ssisan has exited after failing to register with the EBS (ADC NewNet) stack.

Action Verify that the EBS stack is running. If it is running, bring down cktint and the EBS stack and restart them.

```
084: VCO command received. Cktint initiated - REJECTED/FAILED.
```

Explanation The cktint generated VCO commands ($70, $66, etc.) were rejected by the VCO.

Action Identify the network status byte (NSB) value in the rejected command and analyze the VCO configuration to determine the reason that this command was rejected. Verify that the T1 hardware status is in service.

```
090: Host generated CGB is missing Range and Status parameter
```

Explanation The circuit group blocking (CGB) message generated by the host does not contain the mandatory range and status parameter.

Action Make sure the SS7 Network Message Generation ($49) command from the host for the CGB message contains the range and status parameter.

```
091: Host generated CGU is missing Range and Status parameter
```

Explanation The host-generated circuit group unblocking (CGU) ISUP message does not contain the mandatory range and status parameter.

Action Verify that the SS7 Network Message Generation ($49) command from the host for the CGU message contains the range and status parameter.

```
092: Host generated GRS is missing Range
```

Explanation The host-generated circuit group reset (GRS) ISUP message does not contain the mandatory range parameter.

Action Make sure the SS7 Network Message Generation ($49) command from host for the GRS message contains the range parameter.

```
093: Circuit is Hardware Blocked
```

Explanation An ISUP unblocking (UBL)/Reset (RSC) message cannot be sent from isup_console to clear a hardware-blocked circuit.

Action Verify that the port for this circuit is in service in the VCO. If it is not, then the circuit can be cleared from the hardware blocked state by placing it back to in service. If the port is already in service, take the span out-of-service and place it back to the in service state.

```
094: Group contains Hardware Blocked circuits
```

Explanation The group for which the maintenance message is being sent from isup_console contains hardware-blocked circuits.

Action Verify that the T1 span for this group is in service. If the span is not in service, place it back in service. If it is already in service, unseat and reseat the card.

```
096: SS7 stack switchover has failed! Trying again...
```

Explanation The SS7 stack switchover has failed.

Action Verify that the host is connected. If the host is connected, verify that the fallback switch is operational. If the fallback switch is also operational, contact Cisco Systems TAC.

```
100: main( ) - No default configuration file available...
```

Explanation The cktint failed to open the cktint.cfg configuration file.

Action Verify that the cktint.cfg file is present in the $XNV directory.

```
102: main( ) - Error on CALLOC of command line parsing buffers...
```

Explanation The memory allocation failed when reading the cktint.cfg configuration file.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
103: main( ) - SYNTAX error in configuration file...
```

Explanation The cktint detected a syntax error in the CktInt.cfg configuration file.

Action Verify that the syntax of the fields in the configuration file is correct. Refer to the appropriate SS7 supplement for instructions.

```
106: main( ) - Failed trying to setup SIGNALS...
```

Explanation The cktint failed to initialize the signals and exit with a cleanup function.

Action Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
107: main( ) - Couldn't get CONTROL shared memory segment...
```

Explanation The cktint could not get the CKTMEM shared memory segment.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
108: main( ) - Couldn't ATTACH to CONTROL shared memory segment pointer...
```

Explanation The cktint failed to attach to the control shared memory segment pointer.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
109: main( ) - Couldn't get CIRCUIT shared memory segment...
```

Explanation The cktint was not able to get the circuit shared memory segment.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
110: main( ) - Couldn't ATTACH to CIRCUIT shared memory segment pointer...
```

Explanation The cktint was not able to attach to the circuit shared memory segment pointer.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
111: main( ) - Couldn't get CIRCUIT GROUP shared memory segment...
```

Explanation The cktint was not able to get the circuit group shared memory segment.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
112: main( ) - Couldn't ATTACH to CIRCUIT GROUP shared memory segment pointer...
```

Explanation The cktint was not able to attach to the circuit group shared memory segment pointer.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
113: main( ) - FAILED on SETUP of ethernet SEMAPHORE...
```

Explanation The cktint failed on the setup of the ethernet semaphore.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
116: main( ) - FAILED on CREATION/OPEN of system message queues...
```

Explanation The cktint failed on the creation or opening of system message queues.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
117: main( ) - FAILED on SPAWN of CHILDREN...
```

Explanation The cktint failed to fork _ssisan process.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
118: main( ) - SpwnChildren FAILED to report in...
```

Explanation The child processes _ssisan, _tcprcvclnt are not running. The cktint processes exit.

Action Verify that a core file is created. If not, stop cktint and start again.

```
125: CktExit( ) - FAILED on REMOVAL of semaphore...
```

Explanation The cktint failed to remove a semaphore.

Action Stop cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

```
126: spawnchild( ) - Couldn't FORK
```

Explanation The cktint was not able to create a child process using FORK.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

```
127: spawnchild( ) - Couldn't EXEC
```

Explanation Process specified could not be executed.

Action Verify that the executable file is present in the $XNV directory with execute permissions and restart cktint and the EBS (ADC NewNet) stack. If the file is not present, reinstall cktint and restart.

```
130: ss7_proc( ) - IAM: invalid parameters: CPN or CHG w/o OLI.
```

Explanation The cktint has received an IAM message from the network with the calling party number (CPN) or charge number (CHG) without originating line information (OLI), which is invalid in ANSI.

Action Verify this condition with the network operator. To disable the OLI verification, debug flag 40 should be turned on.

131: ss7_proc( ) - IAM: invalid parameters: OLI w/o CPN or CHG.

Explanation The cktint has received an IAM message from the network with the originating line information (OLI) parameter but without a calling party number (CPN) or charge number (CHG), which is invalid in ANSI.

Action Verify this condition with the network operator. To disable the CPN/CHG verification, debug flag 40 should be turned on.

135: OpenQs( ) - Failed on GET of CKTINT message queue...

Explanation The cktint failed to open or create the CKTINT message queue.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

136: OpenQs( ) - Failed on GET of HOST message queue...

Explanation The cktint failed to open or create the HOST message queue.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

137: OpenQs( ) - Failed on GET of SDS message queue...

Explanation The cktint failed to open or create the VCO message queue.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

138: OpenQs( ) - Failed on GET of SS7 message queue...

Explanation The cktint failed to open or create the SS7 message queue.

Action Verify that no other software is running on the system. Bring down cktint and the EBS (ADC NewNet) stack and restart them. If the problem persists, reboot the system.

140: catchsigs( ) - ERROR on signal call, SIGTERM

Explanation The signal system call has failed to initialize the SIGTERM signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`141: catchsigs( ) - ERROR on signal call, SIGQUIT`

Explanation The signal system call has failed to initialize the SIGQUIT signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`142: catchsigs( ) - ERROR on signal call, SIGINT`

Explanation The signal system call has failed to initialize the SIGINT signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`143: catchsigs( ) - ERROR on signal call, SIGHUP`

Explanation The signal system call has failed to initialize the SIGHUP signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`144: catchsigs()- ERROR on signal call, SIGUSR1`

Explanation The signal system call has failed to initialize the SIGUSR1 signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`145: catchsigs()- ERROR on signal call, SIGCHLD`

Explanation The signal system call has failed to initialize the SIGCHLD signal and exit with a cleanup function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

`146: ckt_config_at_startup- could not open resgrp_file.`

Explanation The cktint could not open the resource group configuration file res_grp.cfg.

Action Verify that the res_grp.cfg file exists in the $XNV directory with the correct data.

`148: Failed trying to GET the proper PLTFRMTYP environment variable`

Explanation The cktint could not get the PLTFRMTYP environment variable which is used to determine whether the system is redundant or standalone.

Action Make sure the PLTFRMTYP variable is set to either standalone or redundant, depending upon the requirement found in the .cshrc file. Then stop cktint and EBS. Log out, log in and then restart cktint and the EBS (ADC NewNet) stack.

`149: catchsigs()- ERROR on signal call, SIGALRM.`

Explanation The signal system call has failed to initialize the SIGALRM signal and the exit timer handler function.

Action Stop cktint and the EBS (ADC NewNet) stack and restart. If the problem persists, reboot the system.

CHAPTER 11

System Administration and Miscellaneous Messages

System administration messages describe the following system administration conditions:

- Warnings
- Prompts
- Error messages

System administration messages are displayed in the lower right corner of the system administration screen and/or the log file. The messages are arranged alphabetically. Messages which begin with variable values (numbers and filenames) appear at the end of the listing.

System administration messages are described in the following manner:

`Message`

Explanation An explanation of the message.

System administration screen(s) where the message may appear.

Miscellaneous messages describe the following system administration conditions:

- Code errors
- System errors

Miscellaneous messages appear in the lower right corner of the system administration screen, and are sent to the printer and the log file (C:/log).

Miscellaneous messages are described in the following manner:

`Message`

Explanation An explanation of the message.

Action A description of the action the user should take.

System Administration Messages

`A or D or C only`

Explanation A character other than A (Add) or D (Delete) or C (Card Delete) was entered.

Resource Group Configuration

`Access Denied`

Explanation The database update was denied because you do not have the proper access level. Access level for each screen is defined within the Screen Access Configuration option. During changes to the Screen Access Configuration, this message appears after a user with Level 1, 2 or 3 access types A (add) or D (delete) in the command field. These functions are limited to Level 0 users only.

General

`Adding Ports`

Explanation All ports on a card were added to a resource group by entering the A command without specifying an individual port.

Resource Group Configuration

`Adding Prompts to Library`

Explanation The ADD command message displayed while prompt files are copied into the prompt library.

Prompt Library Maintenance

`Adjusting Ports`

Explanation The letter P was entered. However, the system is changing the status of the ports for this card.

Card Maintenance

`Admin D-chan ACTIVATE Command Submitted`

Explanation The Enter key was pressed a second time after entering an ACTIVATE command in the Cmd field. The D-channel now in the manual out-of-service state is placed in standby state.

NFAS Configuration

`Admin D-chan MOOS Command Submitted`

Explanation The Enter key was pressed a second time after entering a MOOS command in the Cmd field. The D-channel that is in the standby state is placed into the manual out-of-service state.

NFAS Configuration

`Admin D-chan SWITCH Command Submitted`

Explanation The Enter key was pressed a second time after entering a SWITCH command in the Cmd field. A manual D-channel switchover is now initiated.

NFAS Configuration

`All Function Keys Assigned`

Explanation All available function keys have been assigned to menus/screens.

Screen Access Configuration

`All Passwords Must Be Entered First`

Explanation The Enter key was pressed after entering either an A or C command and a username. All password information must be entered before the database can be updated. Continue the operation by entering all passwords required.

Password Configuration

`Alpha Key Input Not Allowed`

Explanation An attempt was made to type letters into this field. Only numbers are allowed.

General

`Already In A Resource Group`

Explanation A valid card location was entered, and that entry is an appropriate card type, but the port has already been assigned to a resource group.

Resource Group Configuration

`Already in Extended Mode`

Explanation An attempt was made to set the system to Extended Operational Mode, but the system has already been set to take advantage of the increased system limits.

Installation Utilities

`An Alarm Exists On This XXX Card`

Explanation The T1 or ISDN PRI card you are attempting to make Active has a card alarm set. The card has been placed in an auto-maintenance state and cannot be activated. You should verify the condition of the T1 or PRI streams connected to this card.

Card Maintenance

`ANI Should Be 1–40`

Explanation A character other than a number from 1 to 40 was entered for the number of ANI digits to be collected.

Inpulse Rules Table

`Are You Sure??`

Explanation You are being prompted to press Enter again to delete a port from a group.

Resource Group Configuration

`Backup D-channel Must Appear in Group`

Explanation The Enter key was pressed after defining the primary D-channel rack, level, slot (R-L-S) address but did not add the ICC ISDN span to the interface listing. The ICC ISDN span containing the primary D-channel must be defined in both the Primary D-channel RLS and Interface RLS fields.

NFAS Configuration

`Backup D-channel Must Be a PRI/N Card`

Explanation The span located in the backup D-channel rack, level, slot (RLS) address entered is defined in the database as a span type other than ICC ISDN span. Verify the contents of the database and enter the correct span address.

NFAS Configuration

`Backup D-channel Not OOS`

Explanation The span located in the backup D-channel rack, level, slot (RLS) address is not in an out-of-service (OOS) state. Use the Card Summary screen to change the span status to OOS.

NFAS Configuration

`Bad disk seek`

Explanation An error occurred while positioning within a file. This message usually indicates a corrupted file.

Disk Utilities

`Bad Filename Or Wildcard`

Explanation The filename and/or wildcard characters were not entered properly. Check the values and retry the operation.

Disk Utilities

`Bad 'IP FIELD' in Rule xx`

Explanation An invalid field was entered for the IP FIELD token. The system will default to a value of IP FIELD 1.

Inpulse Rules Table, Outpulse Rules Table

`Bad 'WAIT TIME' in Rule xx`

Explanation An invalid time was entered for the WAIT TIME token. The system will default to a 1-second wait time.

Inpulse Rules Table, Outpulse Rules Table

`Beginning of File`

Explanation The first page of log file or trace file listings is displayed on the screen.

Print/Display System Log File, Print/Display System Trace File, Select System Trace File

`Beginning of NFAS Configuration Table`

Explanation The first NFAS group is being displayed.

NFAS Configuration

`Block Factor out of Range 1–32`

Explanation The Block Factor value specified for the interface being configured is either 0 or > 32. Blocking factors must be between 1 and 32. Specify a value in this range for this interface.

Host Configuration

`BRC Cannot Be Put Into Diagnostic`

Explanation An attempt was made to change the status of an BRC card to Diagnostic. No diagnostic utilities are provided for BRC cards and their status cannot be manually changed to Diagnostic.

Card Maintenance

`BRC Not Defined In This Slot`

Explanation There is no database entry for a BRC in one of the addresses specified. Check the location of both BRCs in the pair or change the database using the Card Maintenance utility (refer to the *Cisco VCO/4K System Administrator's Guide* for more information).

BRC Configuration Summary

`C-Bus Enabled`

Explanation Informs you that the C-bus is installed and the hardware is detected.

Administrator Main Menu

`C-Bus ERROR`

Explanation Informs you that the C-bus hardware is not detected. The C-bus hardware may not be installed, or may not be installed properly. Check the hardware and attempt the operation.

`Can Only Display Port For ACT Tone Card`

Explanation A port on the standby DTG card has been selected for display. Only active DTG ports can be displayed. Check the address and retry the operation.

Port Display

`Cannot Add NBC In Non-Redundant System`

Explanation An attempt was made to add an NBC card into position 1-1-2 of the Master Port Subrack of a nonredundant system. The Redundant System feature flag must be set to **Y** to allow redundant system configuration and operation.

Card Maintenance

`Cannot Change Access Level`

Explanation A user with Level 1, 2 or 3 access attempted to upgrade the access level while modifying a password. The ability to upgrade access levels is restricted to Level 0 users only.

Password Configuration

`Cannot Connect BRCs on same Subrack`

Explanation The BRCs entered are both located on the same subrack. One BRC must reside in the Master Subrack and one in the Expansion Subrack.

BRC Configuration Summary

`Cannot Group ISDN & non-ISDN Types`

Explanation An attempt was made to create a resource group with ISDN B-channel ports and other line/trunk type ports. ISDN B-channels cannot be grouped with non-ISDN ports. Refer to the *Cisco VCO/4K ISDN Supplement* for more information on ISDN PRI ports.

Resource Group Configuration

`Cannot Set A Path On Standby DTG`

Explanation An attempt was made to create a path with a port address on the Standby DTG card. Check the address and retry the operation.

Set Up Path Utility

`Cannot Switch SBY System`

Explanation An attempt was made to perform a system switchover from a console connected to the Standby system controller. Connect the console to the Active controller to perform the switchover.

Switch Active System to Standby

`Can’t Change Console Device From Remote`

Explanation An attempt was made to change the Local TTY setting while performing system administration from a remote terminal. The local console settings cannot be changed when you are logged in on a remote terminal.

Peripheral Configuration

`Can't Change Status of NBC`

Explanation An attempt was made to change the status of an NBC card. These cards determine their own status when they reboot and are downloaded.

Card Maintenance

`Can't Connect Two 'Rcv Only' Ports`

Explanation The ports entered are both for receive-only ports. Check the address and retry the operation.

Set Up Path Utility

`Can't Connect Two 'Xmit Only' Ports`

Explanation The ports entered are both for transmit-only ports. Check the address and retry the operation.

Set Up Path Utility

`Card Already Active`

Explanation An attempt was made to change the status of a card to Active when the card is already active. To reset an Active card, it must first be changed to out-of-service, then back to active.

Card Maintenance

`Card Already Entered`

Explanation The span indicated by the cursor location has already been specified in this or another NFAS group.

NFAS Configuration

`Card Containing TSA X Is OOS`

Explanation The card on which the specified port resides is out-of-service. The card must be in service to create a path. Return the card to Active using the Card Maintenance option and retry the operation.

Set Up Path Utility

`Card Does Not Support Remote Loopback`

Explanation An attempt was made to change the status of a card type other than an ISDN PRI card to Remote Loopback mode. Remote loopback is only supported for PRI cards.

Card Maintenance

`Card Fields Are Empty`

Explanation The Display Filter's R-L-S fields are not specified.

Subrate Connection Display

`Card Field Not Found`

Explanation The card's R-L-S fields are blank while a new port value is entered.

Subrate Connection Display

`Card Is Added, But Out Of Service!`

Explanation This verification message appears when a card is added to the database.

Card Maintenance

`Card Must Be Active, Diag or Campon`

Explanation An attempt was made to change the status of a card to Maintenance from some status other than Active or Diagnostic. The card must be Active or in Diagnostic mode before it can be changed to Maintenance status. The card may also be in Camped On state, as ports are in transition from Active to Diagnostic mode.

Card Maintenance

`Card Must Be Active, Maint or Campon`

Explanation An attempt was made to change the status of a card to Diagnostics from some status other than Active or Maintenance. The card must be Active or, in the case of a T1 card, in Maintenance mode before it can be changed to Diagnostics status. The card may also be in Camped On state, as ports are in transition from Active to Diagnostic mode.

Card Maintenance

`Card Must Be OOS`

Explanation The user attempted to select a tone plan ID for an active SPC span. Access the Card Maintenance screen and change the SPC span to out of service (OOS), then select a tone plan ID for the OOS SPC span via the SPC-TONE Plan Configuration screen.

SPC-TONE Plan Configuration

`Card Not Out of Service`

Explanation The user attempted to add an interface span which is not out-of-service (OOS), or attempted to delete the ICC ISDN span containing either the primary or backup D-channel without placing the span OOS first.

NFAS Configuration

`Card Not Specified`

Explanation There is no data in the hardware address field.

Conference Display, Subrate Connection Display

`Card Status is Changed`

Explanation The system has changed the status of a card. If the status change is to Active, this message is displayed when the command is entered, but the card status does not change to Active until the card actually comes into service.

Card Maintenance

`Changing Log File System`

Explanation The Enter key was pressed a second time after modifying configuration settings for the Log file system. The system is attempting to store these settings in memory.

File System Configuration

`Changing Trace File System`

Explanation The Enter key was pressed a second time after modifying configuration settings for the Trace file system. The system is attempting to store these settings in memory.

File System Configuration

`Classes of Service – O T or 2 and A`

Explanation An attempt was made to enter an invalid character for the COS field.

Line Card Configuration, Trunk Card Configuration

`Classes of Service – T or TA only`

Explanation A COS other than T or TA was entered for a DID card.

Trunk Card Configuration

`Command Aborted`

Explanation A key other than Enter was pressed when the “Press ENTER To Submit Command” message was displayed or a console timeout occurred. The operation was cancelled.

NFAS Configuration

`Conference XX Not Active`

Explanation The conference number entered is an idle conference.

Conference Display

`Configuration Change Aborted`

Explanation A key other than Enter was pressed when the “ENTER To Confirm New Configuration” message was displayed or a console timeout occurred. The operation was canceled and no change was made to the database.

File System Configuration, Peripheral Configuration

`Console Stream Closed`

Explanation Keyboard input processing is blocked due to an internal processing fault. Contact Cisco Systems TAC for more information.

General

`Copying C:DBASE/filename.TBL`

Explanation The database table file is being written to floppy disk during a Database Store operation.

Disk Utilities

`Copying files...`

Explanation The system is copying file(s). This message is followed by a message listing the number of files copied.

Disk Utilities

`CPA Cannot Be Put Into Maintenance`

Explanation An attempt was made to change the status of a CPA card to Maintenance. The CPA card goes into Maintenance status automatically when it comes into service. After the template information has been downloaded to it, the CPA goes to the Active status. CPA card status cannot be manually changed to Maintenance.

Card Maintenance

`D-chan States Have Changed, Press REDRAW`

Explanation The D-channel states have changed during the time the system administrator selected a command in the Cmd field and pressed Enter but before confirming the entry by pressing the Enter key a second time. Press the **Redraw** key to update the display.

NFAS Configuration

`Delete All Ports For This Card??`

Explanation A request to delete all ports for a card from a group was sent. This message is presented as a prompt. Press the **Enter** key to delete the ports.

Resource Group Configuration

`Delete Operation Aborted`

Explanation The operation was aborted by pressing a key other than Enter.

Card Maintenance

`Deleting files...`

Explanation The system is deleting file(s). This message is followed by a message listing the number of files deleted.

Disk Utilities

`Deleting Ports`

Explanation The Enter key was pressed again after responding to the “Delete All Ports For This Card??” message. All ports on the card from the resource group are being deleted.

Resource Group Configuration

`Dest IP Address Must Not Be On Local Net`

Explanation Indicates that the Internet address you entered for the Destination Subnet is in the same network as that of the VCO/4K system. The Internet address is validated when the cursor moves out of the respective fields. Validation failed. The cursor is repositioned in the same field.

Gateway Routing Configuration

`Digit Should Be 0–9 * #`

Explanation On the Inpulse Rule Table screen, characters other than valid characters for END CHAR and CLR CHAR were entered. On the Outpulse Rules Table screen, characters other than valid characters for outpulsing in DTMF mode were entered.

Inpulse Rules Table, Outpulse Rules Table

`Digit Should Be 1–8`

Explanation A character other than a digit from 1 to 8 was entered for the tone number in the data field following an OP DIGIT token when outpulsing is done in OP TONE mode.

Outpulse Rules Table

`Digit Should Be 0–9 KP ST S1 S2 S3`

Explanation Invalid characters were entered for outpulsing in MF mode.

Outpulse Rules Table

`Digits Can Be From 1 to 40`

Explanation A character other than a number from 1 to 40 was entered in the additional data field following a DIGITS token.

Inpulse Rules Table

`Directory Isn’t Empty`

Explanation An attempt was made to delete a directory that still contains files. All files within the directory must first be deleted before deleting the directory by name.

Disk Utilities

`Disk formatted.`

Explanation The floppy disk in the A: drive has been formatted using the Format Disk operation.

Disk Utilities

`Disk Write Error`

Explanation An internal error occurred during a disk write operation. Retry the operation. If this error continues to occur, contact Cisco Systems TAC.

Disk Utilities

`Download In Progress On This Card`

Explanation An attempt was made to change the status of a card that is receiving an application download. The card is in Maintenance mode during the download and the card status cannot be changed until the download completes.

Card Maintenance

`DTG Cannot Be Put Into Diagnostic`

Explanation An attempt was made to change the status of an DTG card to Diagnostic. DTG card status cannot be manually changed to Diagnostic.

Card Maintenance

`Duplicate Address/Port Combination`

Explanation The Internet Address/Port values entered for the Ethernet socket being configured is already assigned to another socket. Specify a unique Internet Address/Port Address combination for this socket.

Host Configuration

`Duplicate host name`

Explanation The host name specified for the interface being configured is already assigned to another interface. Specify a new host name for this interface.

Host Configuration

`Duplicate Local Port Specification`

Explanation The Local Port specified for the Ethernet socket being configured is already assigned to another socket. Specify a unique local port value for this socket.

Host Configuration

`Duplicate NFAS Group Name`

Explanation The user attempted to assign an NFAS group name that already exists. Each NFAS group must be assigned a unique alphanumberic name. Check the value and retype the information.

NFAS Group Summary

`Empty RLSP!`

Explanation No port address has been entered in the R-L-S-P field. Check the address and retry the operation.

Set Up Path Utility

`Enable C-bus mode. Are you sure (Y/N)=N?`

Explanation An attempt was made to enable the C-bus to take advantage of the full 4,096 ports. (The Extended Operational Mode feature must also be enabled for the system to run in 4K mode.)

Installation Utilities

`End of Card Table`

Explanation The final Card Summary screen is displayed, or Next Screen was pressed while the last Trunk Card Configuration screen was displayed.

Card Summary, Trunk Card Configuration

`End of Conference List`

Explanation The last screen of conference information is being displayed.

Conference Menu

`End of File`

Explanation The last page of the log file or trace file listings are displayed on the screen.

Print/Display System Log File, Print/Display System Trace File

`End of Group`

Explanation An attempt was made to page through the resource group listing using the Next Screen key. The last screen of port listings has been reached.

Resource Group Configuration

`End of NFAS Configuration Table`

Explanation The last NFAS group is being displayed.

NFAS Configuration

`End of Prompt Library`

Explanation The Next Screen key was pressed while the end of the prompt list was already displayed.

Prompt Libary Maintenance

`Enter A/D/C (Add/Delete/Change) Only`

Explanation A key other than A, D or C was entered in the command field. Check the value and retype the command.

Password Configuration

`Enter Access Level 0–3`

Explanation A value other than 0, 1, 2 or 3 was entered in the Access Level field. Check the value and retype the command.

Password Configuration, Screen Access Configuration

`Enter Conference Number`

Explanation The Next Screen or Prev Screen key was pressed before a conference number was typed into the field.

Conference Display

`ENTER To Confirm New Configuration(s)`

Explanation The Enter key was pressed after modifying configuration settings. To save the displayed settings, press Enter again. To cancel the operation, press any other key.

File System Configuration, Peripheral Configuration

`ENTER To Confirm Switchover`

Explanation The Enter key was pressed after entering the E menu selection. To switch Active system to Standby, press **Enter** again. To cancel the operation, press any other key.

Switch Active System to Standby

`ENTER to Delete User:`

Explanation The Enter key was pressed after entering the D (delete) command and a username. To delete the user from the database, press **Enter** again. To cancel the operation, press any other key.

Password Configuration, General

`Enter Y or N only`

Explanation A value other than Y or N was entered in the Display Ports (Y/N) field. Retry the operation.

Call Generation Ports Display

`Enter Y to propagate port 1 values`

Explanation The SIG. TYPE, INPULSE RULE, or COS field on port 1 in the Programmable Trunk Configuration screen was selected or modified. Press Y and all remaining ports are configured with the same parameter entered for port 1.

Programmable Trunk Configuration

Note Propagate parameter data does not appear for other ports until a screen refresh is performed.

`ERROR – Broadcast or Cyclic Only`

Explanation An invalid option was entered in the Incoming Call Distribution field. Valid entries are Broadcast and Cyclic.

System Host Configuration

`ERROR — C-Bus is Enabled But it is Not Installed`

Explanation The C-bus was enabled, but the C-bus hardware has not been installed. Or the AAC is not properly seated.

Installation Utilities (Generic disk)

`ERROR — C-Bus is Not Installed`

Explanation The C-bus mode has not been enabled and the C-bus hardware has not been installed. Or the AAC is not properly seated.

Installation Utilities (Generic disk)

`ERROR — Can’t Display PRI D Channel`

Explanation The D-channel (port 24) on an ISDN PRI card has been selected for display. Only B-channels on ISDN PRI cards can be displayed. Check the address and retry the operation.

Port Display

`ERROR — Cannot Add Prompt. Err = xx`

Explanation For the ADD command, indicates that an error occurred during the add attempt. The VRTX operating system IFX error code is displayed in the error message.

Prompt Library Maintenance

`ERROR — Cannot Open File for Edit`

Explanation An incorrect file name was entered in the Filename field.

Prompt Libary Maintenance

`ERROR: Card Already Exists`

Explanation An attempt was made to add a card at a Rack-Level-Slot/Group/Span location where one already exists.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR: Card Does Not Have Ports`

Explanation An attempt was made to use the Port Definition command card. This card does not have ports, so the port status cannot be changed.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`Error: Card Is Not Active`

Explanation A bearer on a card which is not active was specified.

Subrate Configuration, Subrate Connection Display

`Error: Card Is Not a Line/Trunk Card`

Explanation The specified bearer is not a line or trunk.

Subrate Configuration, Subrate Connection Display

`ERROR — Card Is Not in Database`

Explanation For the TEST command, indicates that the port specified by RLSP is not defined in the system database.

Prompt Library Maintenance

`ERROR: Card Is Not Out Of Service`

Explanation An attempt was made to delete a card that is still active. Change the card status from Active, Standby, Maintenance, or Diagnostic to out-of-service (OOS) and retry the operation.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`Error – Card Not In Database`

Explanation The specified card location (R-L-S) is not configured in the system.

Subrate Configuration, Subrate Connection Display

`ERROR — Card Not Specified`

Explanation The port address or hardware address entered does not correspond to any card in the database. Check the address and retry the operation.

Card Display

`Error: Channel Crosses Port Boundary`

Explanation The subrate connection request has been rejected due to the subrate connection request crossing a bearer boundary.

Subrate Connection Display

`ERROR — Delete File Failed. Err = xx`

Explanation For the DELETE command, indicates that an error occurred during the deletion attempt. The VRTX operating system IFX error code is displayed in the error message.

Prompt Library Maintenance

`ERROR — Directory Does Not Exist`

Explanation Directory entry must consist of a valid device and directory path (for example, c:/pathname) on the specified disk.

Prompt Library Maintenance

`Error: DISPLAY, ADD Or DELETE Only`

Explanation An invalid alphanumeric string was entered for the Command field. The valid entries for this field are: DISPLAY, ADD, or DELETE.

Subrate Connection Display

`ERROR — Duplicate Library Definition`

Explanation The same prompt library has been listed more than once in the list of supported prompt libraries.

IPRC Card Configuration

`Error During Disk Operation`

Explanation An internal error occurred during a disk read/write operation. Check all values entered and retry the operation; if this error continues to occur, contact Cisco Systems TAC.

Disk Utilities

`Error During File System Configuration`

Explanation An error occurred when the system attempted to store the file system change to memory. Contact Cisco Systems TAC for more information.

File System Configuration

`ERROR: DVC/IPRC Port is Not In Correct State`

Explanation The DVC or IPRC port at the indicated address is not out-of-service. Remove the port from service from the Card Maintenance screen and try the operation again.

Service Circuit Test Utility

`Error: ENABLED or DISABLED Only`

Explanation An invalid alphanumeric string was entered for one of the field entries on the screen. The only valid entries for these fields are ENABLED or DISABLED.

Subrate Configuration, System Host Configuration

`ERROR: Interface Already Exists`

Explanation The Rack-Level-Slot/Group/Span entered already exists in the database. Re-enter a nonexisting entry.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR: Interface Does Not Have Ports`

Explanation There are no ports associated with the interface. Associate a port(s) with the interface and retry the operation.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR: Interface Is Not Out Of Service`

Explanation The cards in the locations specified must be taken out-of-service. Remove the port from service from the Card Maintenance screen and retry the operation.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR: Interface Not In Database`

Explanation The Rack-Level-Slot/Group/Span entered in not in the database. Re-enter a valid entry.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`Error: Internal Allocation Error`

Explanation The subrate connection request has been rejected due to an internal memory allocation error.

Subrate Connection Display

`ERROR — Invalid Call Generation R L S P`

Explanation The virtual call generation port address entered contained an invalid rack/cabinet, level, slot, or port value. Only the R-L-S value of 0,0,0 and port values 1 to 256 are valid in standard operational mode, and 1 to 999 in extended mode. Check the address and retry the operation.

Port Display

`ERROR — Invalid Card Address`

Explanation The card address does not correspond to any card in the database. Check the address and retry the operation.

Card Display

`ERROR — Invalid Card R, L, S`

Explanation An invalid hardware address was entered.

Card Alarm Display

`ERROR — Invalid Chop Range (0.0–99.9)`

Explanation An attempt was made to enter an invalid entry for the End of Record Chop field. Valid values from 0.0 to 99.9.

IPRC Card Configuration

`ERROR — Invalid Entry, Y or N Only`

Explanation A value other than Y (Yes) or N (No) was entered in the Print Error Messages Only (Y/N) field or the Continually Loop Through Test (Y/N) field. Retry the operation.

Service Circuit Test Utility

`ERROR – Invalid Interval (0–24)`

Explanation An attempt was made to enter an invalid entry for the Checksum Interval Timer field. Valid values are from 0 to 24.

IPRC Card Configuration

`ERROR – Invalid Key`

Explanation A key that is not valid for this screen was pressed, or the data was garbled when it reached the system controller. Retry the operation.

General

`ERROR – Invalid Library (1–16)`

Explanation An invalid value is entered in the prompt library entry. Valid values are from 1 to 16.

IPRC Card Configuration, Prompt Library Maintenance

`ERROR: Invalid Monitor Card Type`

Explanation The card specified by the Monitor hardware address is not a Call Progress Analyzer. A CPA hardware address must be specified.

Service Circuit Test Utility

`ERROR: Invalid Monitor R,L,S,P`

Explanation The CPA hardware address entered contained an invalid rack/cabinet, level, or slot port value. Check the address and retry the operation.

Service Circuit Test Utility, Prompt Libary Maintenance

`ERROR: Invalid Numeric Input (0 – 60)`

Explanation An invalid value was entered for the Host Setup timer. The valid range for this field, in seconds, is 0 to 60.

System Host Configuration

`ERROR – Invalid PCM Limit (0–255)`

Explanation An invalid value for the PCM limit parameter was specified. Valid values are from 0 to 255.

IPRC Card Configuration

`ERROR — Invalid Port Address`

Explanation The port address entered is outside the valid range for the system. Check the address and retry the operation.

Call Progress Tone Monitor, Port Display

`ERROR — Invalid Port Number`

Explanation The hardware address entered contained a port number beyond the range of the card. Check the address and retry the operation.

Port Display

`ERROR — Invalid Primary R, L or S`

Explanation The hardware address entered as the Primary value is not a valid hardware address.

Master Timing Link Selection

`ERROR — Invalid Prompt ID (1–255)`

Explanation The valid range for a prompt identifier is 1–255.

Prompt Library Maintenance

`ERROR — Invalid R,L,S`

Explanation The hardware address entered contained an invalid rack/cabinet, level, or slot port value. Check the address and retry the operation.

Service Circuit Test Utility

`ERROR — Invalid RLSP`

Explanation The hardware address entered contained an invalid rack/cabinet, level, slot, or port value. Check the address and retry the operation.

Call Progress Tone Monitor, Subrate Connection Display

`ERROR — Invalid RLSP or Port Address`

Explanation The hardware address entered contained an invalid rack/cabinet, level, slot, or port value. Check the address and retry the operation.

Call Progress Tone Monitor, Port Display, Subrate Connection Display

`ERROR — Invalid Secondary R, L Or S`

Explanation The hardware address entered as the secondary value is not a valid hardware address.

Master Timing Link Selection

`ERROR: Invalid Sender R,L,S,P`

Explanation The DVC hardware address entered contained an invalid rack/cabinet, level, or slot port value. Check the address and retry the operation.

Service Circuit Test Utility

`Error: Invalid Subrate Mode (1-way or 2-way)`

Explanation An invalid alphanumeric string was entered for the Mode field. The valid entries for this field are 1-way or 2-way. This error may be generated during an attempt to establish or remove a subrate connection.

Subrate Connection Display

`Error: Invalid Subrate Bit Offset (1–8)`

Explanation An invalid value was entered for the bit offset that marks the start of a subrate channel within a trunk port time slot. The valid range for this field is 1 to 8. This error may be generated during an attempt to establish or remove a subrate connection.

Subrate Connection Display

`Error: Invalid Subrate Size (8Kb, 16Kb, . . . 64Kb)`

Explanation An invalid alphanumeric string was entered for the subrate channel size field. The valid entries for this field are 8 Kb to 64 Kb, in increments of 8. This error may be generated during an attempt to establish or remove a subrate connection.

Subrate Connection Display

`ERROR — Invalid Version (1–999)`

Explanation The valid range for the prompt version identifier is 1–999.

Prompt Library Maintenance

`ERROR — IPRC Must Be OOS To Redefine Prompt Libs`

Explanation An attempt was made to redefine the prompt library assignments for the IPRC while the card was active. The IPRC must be out-of-service to ensure that calls in progress are not affected by the changes.

IPRC Card Configuration

`ERROR — Level Must Be 0 To 3`

Explanation An invalid value was entered in one of the R-L-S-P fields. Enter a range from 0 to 3, and retry the operation.

Call Progress Tone Monitor

`ERROR – Major, Fatal, or Conditional Only`

Explanation An invalid option was entered in the All Host Link Failure Action field. Valid entries are Major Alarm, Fatal Alarm, and Conditional Switchover.

System Host Configuration

`ERROR: NBC in 1 1 1 Cannot Be Deleted`

Explanation An attempt was made to delete the NBC card. This cannot be done.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR — NBC/BRC Does Not Have Ports`

Explanation NBC and BRC cards do not have ports and therefore cannot be displayed.

Port Display

`ERROR — No Card At This Location`

Explanation The hardware address entered does not correspond to any card in the database. Check the address and retry the operation.

Call Progress Tone Monitor, Port Display

`ERROR — No Prompt Specified`

Explanation For the ADD, DELETE, UPDATE, and EDIT commands, an ID and/or filename (in the fields at the bottom of the Prompt Library Maintenance screen) was not specified.

Prompt Library Maintenance

`Error: No SSC In Service`

Explanation The subrate connection request was rejected due to no subrate cards being in service and available to process the request.

Subrate Connection Display

`Error: No Standby SSC To Make Active`

Explanation The subrate switchover request was rejected since there is no standby SSC to become active.

Card Maintenance

`ERROR – No Such Prompt ID`

Explanation For the EDIT, UPDATE, and DELETE commands, indicates that a prompt file specified by ID does not exist in the prompt library.

Prompt Library Maintenance

`Error: Not 0 or 1's Binary Pattern!`

Explanation An invalid alphanumeric was entered for one of the idle code patterns. Valid entries for an idle code pattern are 0 or 1.

Subrate Configuration

`ERROR: Not A CPA Port`

Explanation The hardware address specified does not correspond to any CPA port. Check the address and retry the operation.

Call Progress Tone Monitor

`ERROR: Not A Line/Trunk Port`

Explanation The hardware address specified in the Monitor fields does not correspond to a line or trunk port. Check the address and retry the operation.

Call Progress Tone Monitor

`ERROR: Not A Receiver Card`

Explanation The hardware address specified does not correspond to any receiver card listed in the system database. Check the address and retry the operation.

Service Circuit Test Utility, Test Port Card

`ERROR: Not A Valid Port Card`

Explanation The hardware address specified does not correspond to any port card listed in the system database. Check the address and retry the operation.

Test Port Card

`ERROR – No Wildcards Allowed for Edit`

Explanation When you use the Edit command, you can change only one prompt at a time.

Prompt Library Maintenance

`ERROR Opening Prompt Library`

Explanation An invalid prompt library number was entered or an error was encountered during the attempt to open the specified prompt library directory.

Prompt Libary Maintenance

`ERROR: Perform Operation On Card`

Explanation An attempt was made to delete a Type 1 card by span (interface). You must delete Type 1 cards by rack, level, and slot. Only Type 2 cards can be deleted by rack, level, and slot/group/span. Enter only the rack, level, and slot information, and retry the operation.

Card Maintenance

`Error: Port Address Not Assigned`

Explanation Invalid values were entered for the rack, level, slot, or port for the R-L-S-P fields for a trunk port idle configuration.

Subrate Configuration, Subrate Connection Display

`ERROR: Port Card NOT in Diagnostic Mode`

Explanation The port card specified for the test is in some mode other than Diagnostic or Camped On. Use another port card or place that card in Diagnostic mode using the Card Maintenance option.

Test Port Card

`ERROR: Port is NOT In Correct State`

Explanation The CPA port at the specified address has not been deactivated. Remove the port from service from the Card Maintenance option and retry the operation.

Call Progress Tone Monitor, Service Circuit Test Utility, Prompt Libary Maintenance

`ERROR – Port is Out of Range`

Explanation The port number is greater than the total number of ports on the card.

Prompt Library Maintenance

`Error: Port Not Idle`

Explanation The subrate connection request has been rejected due to one or both of the bearer ports being involved in another type of call.

Subrate Connection Display

`ERROR – Port NOT In Correct State`

Explanation The CPA port is not deactivated. Remove the port from service from the Card Maintenance screen and retry the operation.

Call Progress Tone Monitor

`ERROR – Ports Still In Resource Group`

Explanation An attempt was made to reduce the number of playback ports supported by the IPRC, and one or more of the ports to be released are still defined in the IPRC resource group.

IPRC Card Configuration

`ERROR: Ports Still In Resource Group X`

Explanation An attempt was made to delete a card which still has ports assigned to a resource group.

Card Summary, Resource Group Configuration, Card Maintenance, Card Alarm Display, Set Up Paths, Card Display, Port Display, Service Circuit Test Utility, Test Port Card, Call Progress Tone Monitor, Generic Packet Utility, Conference Display, Master Timing Link

`ERROR – Primary MUST be a T1 or PRI card`

Explanation The hardware address entered as the Primary value is not listed in the database as a T1 or PRI card. Check the hardware address.

Master Timing Link Selection

`ERROR – Pri/Sec CANNOT Be Same Card`

Explanation The hardware addresses entered as the Primary and Secondary values are on the same card (addresses are the same). Change one of the hardware addresses or leave the secondary address fields blank.

Master Timing Link Selection

`ERROR – Rack Must Be 1 Or 2`

Explanation An invalid value was entered for a rack/cabinet in one of the R-L-S-P fields. Valid values are 1 or 2. Retry the operation.

Call Progress Tone Monitor

`ERROR: Receiver Card NOT Specified`

Explanation The hardware address for the receiver card was not specified.

Service Circuit Test Utility

`ERROR: Receiver NOT In Diagnostic Mode`

Explanation The receiver card specified for the test is in some mode other than Diagnostic or Camped On. Use another receiver card or place that card in Diagnostic mode using the Card Maintenance option.

Service Circuit Test Utility, Test Port Card

`ERROR: Receiver Port Out Of Range!`

Explanation The hardware address specified for the receiver card does not correspond to any possible hardware address in the system. Check the values entered and retry the operation.

Service Circuit Test Utility, Test Port Card

`Error: Request Format Error`

Explanation The subrate connection request has been rejected due to a internal message format error.

Subrate Connection Display

`ERROR — Secondary MUST be a T1 or PRI card`

Explanation The hardware address entered as the Secondary value is not listed in the database as a T1 or PRI card. Check the hardware address.

Master Timing Link Selection

`ERROR: Sender NOT a DVC/IPRC`

Explanation The hardware address specified does not correspond to any voice card (DVC or IPRC) listed in the system database. Check the address and retry the operation.

Service Circuit Test Utility

`Error Setting Date/Time`

Explanation An internal processing error occurred when the system attempted to update the system clock. If this error is displayed, no changes have been made to the system database. Retry the operation. If the problem persists, contact Cisco Systems TAC.

Clock/Calendar Configuration

`Error: SSC Switchover In Progress`

Explanation The subrate connection request has been rejected due to a subrate card switchover in progress. The switchover should complete momentarily and the request may be resubmitted.

Subrate Connection Display

`Error: Subrate Timeslots Exhausted`

Explanation The subrate connection request has been rejected due to a timeslot exhaust condition on the subrate card.

Subrate Connection Display

`ERROR — Test Cannot Run on Standby Side`

Explanation The console from which the Service Circuit Test Utility or Test Port Card function was accessed is connected to the standby controller of a redundant system. This function can only be run on the active side of a system.

Service Circuit Test Utility, Test Port Card

`ERROR: Trunk Port Out Of Range!`

Explanation The hardware address specified for the port card does not correspond to any possible hardware address in the system. Check the values entered and retry the operation.

Test Port Card

`ERROR — Unassigned Port Address`

Explanation The port address entered does not correspond to any card in the database. Check the address and retry the operation.

Call Progress Tone Monitor, Port Display

`Error updating configuration`

Explanation An internal processing error occurred when the system attempted to update the host configuration. If this error is displayed, no changes have been made to the system database. Retry the operation. If the problem persists, contact Cisco Systems TAC.

Host Configuration

`Error: Valid Bit Offset Range 1 to n`

Explanation An invalid value was entered for the bit offset that marks the start of a subrate channel within a trunk port time slot for idle configuration. Valid values depend on the particular subrate channel being changed. Table 11-1 describes valid values for n.

Table 11-1 Bit Offset Values

Subrate Channel	Valid Bit Offset (n)
8 Kb	1 – 8
16 Kb	1 – 7
24 Kb	1 – 6
32 Kb	1 – 5

Table 11-1 Bit Offset Values (continued)

Subrate Channel	Valid Bit Offset (n)
40 Kb	1 – 4
48 Kb	1 – 3
56 Kb	1 – 2
64 Kb	1 – 1

Subrate Configuration

`Error: Valid Numeric Range 1–99`

Explanation An invalid value was entered for the Timeslot Threshold Warning Level. The valid range for this field is 0 to 100 percent.

Subrate Configuration

`Error: Valid Port Number Range 1 to n`

Explanation An invalid value was entered for the port in the P field for a trunk port idle configuration.

Subrate Configuration

`Error: Y/N Only`

Explanation An invalid alphanumeric character was entered in the Refresh field. Valid entries for this field are Y (Yes) or N (No).

Subrate Connection Display, Subrate Statistics Display

`ERROR — Y/N Only, Y to Enable Print`

Explanation A value other than Y (Yes) or N (No) was entered in the Print (Y/N) field. Type a valid value, then retry the operation.

Call Progress Tone Monitor

`Error $XX Reading Bootstrap File`

Explanation A file error has occurred in trying to read the configuration information stored in the bootstrap file; the specified device does not contain a valid BOOT.SDS file. Contact Cisco Systems TAC for more information.

Software/Firmware Configuration

`Ethernet port number < 1024`

Explanation The value entered for one of the Ethernet port fields (Local Port or Remote Port) is less than 1024. Values for this field must be greater than or equal to 1024. Specify a new port for this interface.

Host Configuration

`Extended Mode of Operation is Set Now`

Explanation The Y and Enter keys were pressed when the Setting the Operational Mode to Extended Mode prompt appeared on the screen. (Both the Extended Operational Mode and Enable C-bus Mode features must be enabled for the system to run in 4K mode.)

Installation Utilities

`Failed to Open File x:/xxx.xxx`

Explanation The Enter key was pressed after typing in an incorrect path name. Enter the correct path name and press **Enter**.

Action Tone Files Installation/Removal

`Features Table Updated`

Explanation The system feature settings were successfully stored in system memory.

System Feature Configuration

`Field Should Be 1–24 or A or W`

Explanation An invalid value was entered for the supervision template following a WAIT SUP or FINAL SUP token. Valid values are digits 1 to 24 or the letters A or W.

Outpulse Rules Table

`Field Time Should Be 1–60`

Explanation An invalid value was entered for the number of seconds in the data field following a TIM FIELD token. Valid values are 1 to 60.

Inpulse Rules Table

`File Sync Has Not Completed`

Explanation Applies to redundant systems. Changes to the database cannot be made during the redundancy file synchronization process. This prevents changes in the database while it is being compared with the database files on the standby side of the system.

General

`File System(s) Successfully Configured`

Explanation The configuration settings for each file system were successfully stored in system memory.

File System Configuration

`First Digit Time Should Be 1–30`

Explanation An invalid value was entered for the number of seconds in the data field following the TIM FDIG token. Valid values are from 1 to 30.

Inpulse Rules Table

`Formatting A drive is Not Permitted`

Explanation An attempt was made to format a floppy diskette in the A: drive. This function has been disabled.

Disk Utilities/Format Disk

`Formatting disk...`

Explanation The system is formatting a floppy diskette in the A: drive.

Disk Utilities

`Function Key Not Assigned`

Explanation An attempt was made to press a function key that has not been assigned to an administration screen using the Screen Access Configuration utility.

General

`Gateway IP Address Must Be On Local Net`

Explanation Indicates that the Internet address you entered for the gateway IP address is not in the same network as that of the VCO/4K system. Validation of your address entry fails. The cursor is repositioned in the same field.

Gateway Routing Configuration

`Gateway Route Configuration Aborted`

Action Confirms that you have aborted input by using the Exit, Prev Menu, or Main Menu keys, or that you have entered N in response to the Update Gateway Route Configuration? prompt. The Gateway Routing Configuration screen is replaced by the System Configuration screen.

Gateway Routing Configuration

`Hit Any Key To Stop Update`

Explanation This prompt is displayed while the screen updates are in progress.

Call Generation Ports Display

`Hit 'Select' Key To Select Card Type...`

Explanation An attempt was made to type in the card type while adding a card. Use the **Select** key to step through the available card types.

Card Maintenance

`Host Configuration Updated`

Explanation The configuration settings for all host interfaces and internal overlays were successfully stored in system memory.

Host Configuration

`Illegal Source/Destination Card Address`

Explanation Source or destination values must be entered before pressing the Return key to command the system for path connection.

Subrate Connection Display

`Illegal Timeslots: Not Multiple of 8`

Explanation An invalid value was entered. A timeslot value must be in an increment of 8.

Subrate Configuration

`Incorrect Current Password`

Explanation An incorrect password was entered while attempting to delete a user or modify the password/access level. Check the password and retype the information.

Password Configuration

`Insufficient Disk Space for Live Upgrade`

Explanation There is not at least 20MB of free disk space on each hard drive. Ensure that you acquire more free space on your hard drives prior to restarting Live Upgrade procedures. Access the Show Disk Free Space screen from the Disk Utilities menu.

Display/Print Live Upgrade Log, System Log File Display

`Interface Card Must be T1 or PRI/N`

Explanation The span located in the R-L-S address entered is defined in the data base as a span type other than ICC T1 or ICC ISDN span. Check the database and enter the correct span address.

NFAS Configuration

`Interface Is Deleted`

Explanation An interface was successfully deleted by pressing the Enter key after deleting an interface with a valid location and out-of-service status.

Card Maintenance

`Interface Required`

Explanation For multispan cards, a span must be specified.

Card Maintenance, Master Timing Link Selection, Port Display

`Initializing Trunk Card....`

Explanation The trunk card is being initialized prior to starting the test.

Test Port Card

`Invalid BRC Rack Level Slot Position`

Explanation An attempt was made to define a slave BRC in an invalid R-L-S hardware address (other than Slots 1 or 2 on an Expansion Port Subrack).

Card Maintenance

`Invalid Card Address`

Explanation The Rack/Cabinet, Level, Slot address specified for one of the BRCs does not correspond to any valid hardware address in the system.

BRC Configuration Summary

`Invalid Card Type`

Explanation An attempt was made to add a card without selecting a card type.

Card Maintenance

`Invalid Changes: PRI Not Out Of Service`

Explanation You made a change in the Access Type, Span Type, Span Length, TRX Clock, REF Clock, CRC4, or A/Mu Law field without first having taken the ICC ISDN span out-of-service (OOS). You must take the ICC ISDN span OOS via the Card Maintenance screen before you change these fields.

ICC ISDN Span Configuration

`Invalid Conference Number`

Explanation On the Port Display screen, the Tab key was pressed to move to the conference field but there is no conference number in that field. On the Conference Display, a conference number other than a number between 1 and 128 was entered. Check the conference number and retry the operation.

Conference Display, Port Display

`Invalid Console Descriptor`

Explanation Keyboard input processing is blocked due to an internal processing fault. Contact Cisco Systems TAC for more information.

General

`Invalid Control Key`

Explanation The key that was pressed on the administration keypad is not valid for this screen. Retry the operation.

General

`Invalid Date, Enter 1 – x`

Explanation An illegal value was typed into the Date field (out of the month's range, where x = 28, 29, 30 or 31 depending on the month entered). Check the value and retype the information.

Clock/Calendar Configuration

`Invalid Day, Enter 1 – x`

Explanation An illegal value was typed into the Day field (out of the month's range, where x = 28, 29, 30, or 31 depending on the month entered). Check the value and retype the information.

Print/Display System Log File, Print/Display System Trace File

`Invalid Destination File`

Explanation The destination device, directory and/or filename specified for the Copy Files operation are invalid. Check all values and retry the operation.

Disk Utilities

`Invalid Directory Entered`

Explanation A directory name that does not exist on the specified device was entered.

File System Configuration

`Invalid Escape Sequence`

Explanation Keyboard characters have been garbled during a data input operation or 1 or 2 was pressed on the application keypad. Re-enter the characters.

General

`Invalid Field Number`

Explanation A character other than a digit from 1 to 4 was entered for the call record field number following an IP FIELD or OP FIELD token.

Inpulse Rules Table, Outpulse Rules Table

`Invalid Hours, Enter 0 – 23`

Explanation An illegal value was typed into the Hour field; this value must be between 0 (midnight) and 23 (11 pm). Check the value and retype the information.

Clock/Calendar Configuration

`Invalid Internet address format`

Explanation The value entered for one of the Ethernet Internet addresses was not in the proper format. Internet addresses must be specified in decimal notation (example: 128.0.0.34). Refer to the *Cisco Ethernet Guide* for more information on Ethernet Internet addresses.

Host Configuration

`Invalid I/O Code`

Explanation Keyboard input processing is blocked due to an internal processing fault. Contact Cisco Systems TAC for more information.

General

`Invalid I/O Request Action`

Explanation Keyboard input processing is blocked due to an internal processing fault. Contact Cisco Systems TAC for more information.

General

`Invalid Key`

Explanation A key was pressed that is not valid for this screen, or the data was garbled when it reached the system controller. Retry the operation.

General

`Invalid Level Number`

Explanation The Level number specified for one of the BRCs is not within the range allowed. Valid Level numbers in Rack/Cabinet 1 are 1 to 3. Valid Level numbers in Rack/Cabinet 2 are 0 to 3.

BRC Configuration Summary

`Invalid Maintenance Limit Entry`

Explanation You entered a value in either the Slip or OOF Maintenance Limit field that was not a number between 0 and 225.

ICC ISDN Span Configuration

`Invalid Minutes, Enter 0 – 59`

Explanation An illegal value was typed into the Minutes field. Check the value and retype the information.

Clock/Calendar Configuration

`Invalid Operation (A or D only)`

Explanation An invalid value was entered. Valid values are A or D in the Add or Delete Path (A or D) command field.

Set Up Path Utility

`Invalid Operation Specified`

Explanation A character was entered that does not correspond to any of the selections for the menu displayed.

General

`Invalid Port`

Explanation An invalid port number was entered.

Card Maintenance, Resource Group Configuration

`Invalid Port Number`

Explanation A port number was entered for a card which does not have that many ports.

Card Maintenance

`Invalid Position`

Explanation An attempt was made to delete a position that has no port assigned to it.

Resource Group Configuration

`Invalid R L S P`

Explanation The hardware address entered specified an invalid rack/cabinet, level, slot, or port (such as 1-4-22-30). Check the address and retry the operation.

Set Up Path Utility

`Invalid Rack, Level, Slot`

Explanation A nonexistent card location is specified. Re-enter the card location in accordance with system conventions for identifying rack/cabinet, level and slot.

Card Maintenance, Resource Group Configuration

`Invalid Rack Level Slot Port`

Explanation The previous error messages were ignored and an attempt was made to add a resource into an invalid card location.

Resource Group Configuration

`Invalid Rack Number`

Explanation The Rack/Cabinet number specified for one of the BRCs is not within the range allowed. Valid Rack/Cabinet numbers are 1 and 2.

BRC Configuration Summary

`Invalid Rack/Level Combination`

Explanation A Rack/Cabinet, Level address of 1,0 was specified for one of the BRCs. There is no such address.

BRC Configuration Summary

`Invalid Scan Entry, 'Y' or 'N' Only.`

Explanation A character other than Y or N was entered in the Do Bad Sector Scan During Format (Y/N)? field on the Format Disk operation screen. Only these characters are allowed for entry on this field.

Disk Utilities

`Invalid Seconds, Enter 0 – 59`

Explanation An illegal value was typed into the Seconds field. Check the value and retype the information.

Clock/Calendar Configuration

`Invalid Slot Number`

Explanation The Slot number specified for one of the BRCs is not within the range allowed. Valid Slot numbers for Rack/Cabinet 1, Level 1 are 5 to 21. Valid Slot numbers for all other Rack/Cabinet, Level combinations are 1 and 2.

BRC Configuration Summary

`Invalid Source File`

Explanation The source device, directory and/or filename specified for the Copy Files operation are invalid. Check all values and retry the operation.

Disk Utilities

`Invalid Status Change Request`

Explanation An invalid entry was typed in the Status field. Type a valid entry, then press Enter to complete the operation.

Card Maintenance

`Invalid Trace Entry, 1/0 Only`

Explanation A character other than 1 (activate trace) or 0 (disable trace) was entered in one of the Trace fields.

Call Generation Ports Display, Port Display

`Invalid trace value entered`

Explanation A character other than 0 or 1 was entered in the Trace field. Enter a valid Trace field value.

Host Configuration

`Invalid Year, Enter Year > 1990`

Explanation An invalid entry was typed into the Year field; this value must be greater than 1990. Check the value and retype the information.

Clock/Calendar Configuration

`IPRC Cannot Be Put Into Maintenance`

Explanation An attempt was made to change the status of an IPRC to Maintenance mode. The IPRC goes into Maintenance status automatically when it comes into service. After voice prompts are downloaded to it, it goes to an Active status. IPRC status cannot be manually changed to Maintenance.

Card Maintenance

`IPRC Must Be OOS To Change End Rec Chop`

Explanation An attempt was made to redefine the end-of-record chop data element for the IPRC while the card was active. The IPRC must be out-of-service to ensure that calls in progress are not affected by the changes.

IPRC Card Configuration

`IPRC Must Be OOS To Redefine Ports`

Explanation An attempt was made to redefine the number of playback ports for the IPRC while the card was active. The IPRC must be OOS to ensure that no affected ports are involved in calls.

IPRC Card Configuration

`ISDN Not Installed`

Explanation A menu selection specific to the optional ISDN PRI package was selected, but ISDN is not installed on the system.

General

`Level – 1 to 3 (Rack 1), 0 to 3 (Rack 2)`

Explanation An invalid level number was entered for the rack/cabinet number previously specified.

Resource Group Configuration

`Line X, Rcvr Y, Test Z`

Explanation The line and receiver being tested (X and Y, respectively), and the cumulative number of tests run (Z) are displayed.

Test Port Card

`Log File For This Date Not Found`

Explanation A valid date was specified but there is no log file for that date on the hard drive.

Print/Display System Log File

`Major Minor Critical`

Explanation An invalid option was selected for one of the Alarm Severity Configuration fields. Valid entries for the alarm severity fields are MAJOR, MINOR, or CRITICAL.

Subrate Configuration

`Make-Busy Threshold 0-255`

Explanation An invalid entry was made in the THRESHOLDS, BUSY field. Valid values are a number from 0 to 255.

Resource Group Summary

`MAXRECORD Feature Has Been Disabled Due to C-bus`

Explanation An attempt was made to execute the MAXRECORD token in a C-bus switch. The IPRC record function has been temporarily disabled.

IPRC Card Configuration

`Maximum Of 1920 Ports In Group`

Explanation An attempt was made to add a port to a group that already has the maximum number of members (1920).

Resource Group Configuration

`Maximum Path Limit Exceeded`

Explanation An attempt was made to create a path when eight paths already exist. Delete one of the existing paths and retry the operation.

Set Up Path Utility

`Maximum Users Already Entered`

Explanation An attempt was made to add a seventeenth system user to the database. Only 16 system users can be defined in the database.

Password Configuration

`Memory Allocation Failed for Command`

Explanation Memory allocation for command failed; this command will not be submitted.

NFAS Configuration

`Must Allocate SSC Timeslots First`

Explanation Timeslots have not been allocated for subrate functionality. Allocate timeslots from the Subrate Configuration screen.

Card Maintenance

`NBC and BRC Do Not Have Ports`

Explanation An attempt was made to use the Port Definition command for an NBC3 or BRC. These cards do not have ports, so their port status cannot be changed.

Card Maintenance

`NBC Must Be In 1-1-1 For A Side 1-1-2 For B Side`

Explanation An attempt was made to add an NBC card with an R-L-S hardware address other than those listed above (the first two in the Master Port Subrack).

Card Maintenance

`Need OOS to Allocate Timeslots!`

Explanation An attempt was made to change the idle code configuration when the subrate card was not out-of-service.

Subrate Configuration

`Need OOS to Change Idle Code Config`

Explanation An attempt was made to change the timeslot allocation when the subrate card was not out-of-service.

Subrate Configuration

`Network Status Byte: 62 RECORD_DISABLE`

Explanation A record operation was attempted for the IPRC in a C-bus switch.

IPRC Card Configuration

`Network Trace Flags Modified`

Explanation The Enter key was pressed after changing one or more settings in the Trace fields.

Call Generation Ports Display

`NFAS Configuration Updated`

Explanation The Enter key was pressed a second time after modifying the NFAS group configuration settings. The NFAS group configuration information was successfully stored in system memory.

NFAS Configuration

`NFAS Group Name(s) Updated`

Explanation The NFAS group name modifications were successfully stored in the system database.

NFAS Group Summary

`No available Card Memory`

Explanation You have exceeded the logical memory. There is a maximum of 240 logical numbers (0 to 239). A logical number is defined as one interface or card number.

Log file

`No Available Port Memory`

Explanation This prompt appears when the maximum number of timeslots in the system is reached. There are 4000 listen-only time slots and 4088 other timeslots available in a fully licensed VCO/4K. No further timeslots can be added.

Card Maintenance, Log file

`No Changes Detected`

Explanation The Enter key was pressed without modifying any NFAS group names. No change was made to the system database.

NFAS Group Summary

`No Configuration Changes Were Entered`

Explanation The Enter key was pressed without modifying any configuration settings. No change was made to the system database.

Peripheral Configuration, System Host Configuration

`No Delete Performed`

Explanation When prompted to press Enter again to delete a port or all ports on a card from a group, a key other than Enter was pressed.

Resource Group Configuration

`No Features Were Changed`

Explanation The Enter key was pressed before any changes were made to the system features.

System Feature Configuration

`No File System Changes Made`

Explanation The Enter key was pressed without modifying any configuration settings. No change was made to the system database.

File System Configuration

`No Forward Tab`

Explanation The Tab key was pressed while a screen that does not support this function is displayed.

General

`No host configuration changes detected`

Explanation The Enter key was pressed before any changes were made to the host configurations.

Host Configuration

`No more available Listen-Only Ports`

Explanation You have exceeded the maximum 4000 listen-only timeslots available in a fully licensed VCO/4K, which indicates that you have added too many SPC type timeslots.

Log file

`No more available TimeSlot Ports`

Explanation You have exceeded the maximum 4088 timeslots available in a fully licensed VCO/4K. Do not include the SPC_CPA, SPC_DTMF, SPC_MFCR2, and SPC_MFRC types in your calculations for this limitation.

Log file

`No Next Screen`

Explanation The current display consists of only one screen.

BRC Configuration Summary, Call Generation Ports Display

`No NFAS Group Configuration Changes Detected`

Explanation The Enter key was pressed without modifying any NFAS group configuration settings. No change was made to the system database.

NFAS Configuration

`No Previous Card Alarms Present`

Explanation The final screen of card alarms is being displayed.

Card Alarm Display

`No Previous Screen`

Explanation The current display consists of only one screen.

BRC Configuration Summary, Call Generation Ports Display

`No Previous Tab`

Explanation The < (Back Tab) key was pressed while a screen that does not support this function is displayed.

General

`No Room To INSERT`

Explanation An attempt was made to insert a token into a rule with 16 tokens.

Inpulse Rules Table

`No Standby BRC Pair, Cannot Change State`

Explanation An attempt was made to change the status of a BRC card that does not have an associated standby Master/Slave BRC pair. Because this action would eliminate bus communication to a port subrack, it is not permitted.

Card Maintenance

`No Standby DTG, Cannot Change State`

Explanation An attempt was made to change the status of the only DTG in the system. This DTG must remain in Active mode.

Card Maintenance

`No Subsequent Card Alarms Present`

Explanation The first screen of card alarms is being displayed.

Card Alarm Display

`No Such Rule Defined`

Explanation For the configuration screens, the inpulse rule entered has not yet been defined in the database; rules must be defined before they can be assigned to a port. On the Inpulse and Outpulse Rule Table screens, a character was entered in the data field following a GOTO RULE or DO RULE token that does not correspond to an inpulse rule already stored in the database.

Impulse Rules Table, Line Card Configuration, Outpulse Rules Table, Trunk Card Configuration

`No Templates Were Changed`

Explanation The Enter key was pressed although no changes had been made to the templates. No changes were made to the database.

Answer Supervision Templates

`No Tone Card In System`

Explanation An attempt was made to create a path with a tone port address, but the system is not equipped with a DTG card.

Set Up Path Utility

`Non-Existent Device`

Explanation The device specified cannot be located by the system. Check the value and retry the operation.

Disk Utilities

`Non-Existent Directory`

Explanation The directory specified cannot be located on the device indicated. Check the value and retry the operation.

Disk Utilities

`Non-Existent File`

Explanation The filename specified cannot be located on the device and directory indicated. Check the value and retry the operation.

Disk Utilities

`Not A Groupable Resource`

Explanation A valid card location was entered, but that entry in the card table is not an internal service circuit.

Resource Group Configuration

`Not A Redundant System`

Explanation An attempt was made to perform a system switchover on a nonredundant system. This utility cannot be used on SDS-500 or nonredundant SDS-1000 systems.

Switch Active System to Standby

`Not A Select Field`

Explanation The Select or Reverse Select key was pressed for a field that requires data entry via the main keyboard.

General

`Not a SELECT Key Field`

Explanation The Select or Reverse Select key was pressed for a field that requires data entry via the main keyboard.

General

`Not A Selectable Field`

Explanation The Select or Reverse Select key was pressed for a field that requires data entry via the main keyboard, or the Select key is not valid for this screen.

General

`Not Allowed On SBY System`

Explanation Applies to redundant systems. An attempt was made to update the system database from the standby console. Updates for host links, file system configuration, peripheral configuration, and trace configuration are the only database tables that can be configured separately for the standby system controller.

General

`Not An Allowed Character Key`

Explanation The 1 or 2 key was pressed on the Administration Keypad; any function key was pressed while the Password Check screen is displayed; a Control sequence was entered (Ctrl key followed by any other key); or the keystrokes received by the system were garbled (could indicate VDT setup is incorrect—refer to the *Cisco VCO/4K Hardware Installation Guide* for your hardware platform for correct settings).

General

`Not Selectable: Uses [xxxxxxx]`

Explanation You tried to make a change in either the Access Type or Switch Type field. This field has no selections for this particular span, where xxxxxxx indicates the only option available.

ICC ISDN Span Configuration

`Not That Many Ports On Board!`

Explanation The port number entered is greater than the number of ports on this card. Check the address and retry the operation.

Set Up Path Utility

`Not Valid For This Token`

Explanation An attempt was made to type data into the additional data field for a token that does not require additional data.

Inpulse Rules Table, Outpulse Rules Table

`Null host name`

Explanation No host name was specified for the interface being configured. Specify a valid host name.

Host Configuration

`Null value not allowed`

Explanation The number you have entered is invalid. Enter a valid number.

NFAS Configuration

`Numeric Key Input Not Allowed`

Explanation An attempt was made to type numbers into this field. Only letters are allowed.

General

`One BRC Must Be In Master Subrack`

Explanation Neither of the BRCs specified are in Rack/Cabinet 1, Level 1. Each BRC pair must have an MBRC in the Master Subrack.

BRC Configuration Summary

`1 file copied.`

Explanation A single file was copied using the Copy Files operation.

Disk Utilities

`1 file deleted.`

Explanation A single file was deleted using the Delete Files operation.

Disk Utilities

`1 file renamed.`

Explanation A single file was renamed using the Rename Files operation.

Disk Utilities

`Only BRC In Slot One Of Expansion Rack`

Explanation An attempt was made to add a card other than a BRC into Slot 1 of an Expansion Port Subrack.

Card Maintenance

`Only Hex/Wildcard (*/?) Input Allowed`

Explanation A value other than 0 to 9, A to F or * or ? was entered in the MESSAGES fields. Check the value and retry the operation.

System Trace Configuration

`Only NBC In This Slot`

Explanation An attempt was made to add a card other than an NBC into the R-L-S hardware address reserved only for NBC cards.

Card Maintenance

`Only Yes/No (Y/N) Input Allowed`

Explanation A value other than Y (Yes) or N (No) was entered in the Enable On Reboot, Reset/Clear Ports, Voice Path Trace or Print Port List field of the System Trace Configuration screen. A character other than Y or N was typed in the System Feature Configuration screen. Retry the operation.

System Trace Configuration, System Feature Configuration

`Operation Aborted`

Explanation The operation was aborted by pressing a key other than Enter in response to the Press ENTER to Clear Alarms prompt.

System Alarms Display

`PA Out Of Range!`

Explanation The port address entered is greater than the maximum in the system. Check the address and retry the operation.

Set Up Path Utility

`Passwords Must Be At Least 4 Chars.`

Explanation Less then 4 characters were entered in one of the password fields. All passwords must be from 4 to 12 characters in length.

Password Configuration

`Path Complete`

Explanation The system has created the path requested.

Set Up Path Utility

`Path Deleted`

Explanation The system has deleted the path requested.

Set Up Path Utility

`Pausing To Allow Carrier Alarms To Clear`

Explanation The status of an ISDN PRI card has been changed from Diagnostic to Active mode. The system allows all carrier alarms to clear by pausing for approximately 10 seconds.

Card Maintenance

`Please Enter “Y” or “N”`

Explanation A character other than Y (Yes) or N (No) was entered in the Audible Cutoff (Y/N) field. Enter a **Y** or **N**.

System Alarms Display

`Poll Timeout out of range 0 - 300`

Explanation The value entered for the Poll Timeout field was greater than 300. Specify a valid poll timeout.

Host Configuration

`Port At TSA X Is Not In Correct State`

Explanation The port at the specified address has not been made available. Change the port status using the P option on the Card Maintenance option and retry the operation.

Set Up Path Utility

`Port MUST Be Greater Than Zero`

Explanation The port address entered was zero. Check the address and retry the operation.

Set Up Path Utility

`Ports Active – Put In Campon`

Explanation An attempt was made to change the status of a card to Diagnostics and the system determined that ports on the card are involved in calls. The card is automatically changed to Camped On status. Diagnostics can be run on this card.

Card Maintenance

`Ports Still In A Group`

Explanation An attempt was made to delete a card which still has ports assigned to a resource group.

Card Maintenance

`Press Any Key To Halt Screen Updates`

Explanation This prompt is displayed while the screen updates are in progress.

Call Progress Tone Monitor, Card Display, Conference Display, Port Display, Subrate Connection Display, Subrate Statistics Display

`Press ENTER to Clear Alarms`

Explanation The Enter key was pressed once after typing Y in the Audible Cutoff (Y/N) field. To disable external audible alarms, press Enter again. To cancel the operation, press any other key.

System Alarms Display

`Press ENTER To Submit Command`

Explanation The Enter key was pressed once after entering a command in the Cmd field. To implement the change, press Enter again. To cancel the operation, press any other key.

NFAS Configuration

`Press ENTER to update configuration`

Explanation The Enter key was pressed once after modifying configuration settings. To save the displayed settings, press Enter again. To cancel the operation, press any other key.

Host Configuration, NFAS Configuration

`Press ENTER To Update Group Name(s)`

Explanation The Enter key was pressed once after modifying the NFAS group name listing. To save the displayed settings, press Enter again. To cancel the operation, press any other key.

NFAS Group Configuration

`Press 'ENTER' To Update Templates`

Explanation The Enter key was pressed once after modifying the supervision templates. To save the templates, press **Enter** again. To cancel the operation, press any other key.

Answer Supervision Templates

`Press Next Screen for more alarms.`

Explanation There are alarm listings in addition to those being displayed. Press **Next Screen** to view the additional alarms.

System Alarms Display

`Press ‘Y’ to Confirm Change`

Explanation The Enter key was pressed once after selecting a tone plan with which to configure the VCO/4K. To cancel the operation, press any other key.

Multiple Tone Plan Configuration

`PRI D Channel Not A Groupable Resource`

Explanation An attempt was made to add an ISDN PRI D-channel to a resource group; these ports are not groupable resources. Refer to the *Cisco VCO/4K ISDN Supplement* for more information on ISDN PRI ports.

Resource Group Configuration

`PRI D Channel Selected`

Explanation The port address entered corresponds with the D-channel on an ISDN PRI card. Only B-channels on ISDN PRI cards are supported by this utility.

Set Up Path Utility

`Primary D-channel Must Appear in Group`

Explanation The Enter key was pressed after defining the primary D-channel rack, level, slot (R-L-S) address but did not add the ICC ISDN span to the interface listing. The ICC ISDN span containing the primary D-channel must be defined in both the Primary D-channel RLS and Interface RLS fields.

NFAS Configuration

`Primary D-channel Must Be a PRI/N Card`

Explanation The span located in the primary D-channel rack, level, slot (R-L-S) address entered is defined in the database as a span type other than ICC ISDN span. Check the database using the Card Maintenance screen and enter the correct span address.

NFAS Configuration

`Primary D-channel Not OOS`

Explanation The span located in the primary D-channel rack, level, slot (R-L-S) address entered is not in an out-of-service (OOS) state. Use the Card Summary screen to change the span status to OOS.

NFAS Configuration

`Print Operation Aborted`

Explanation This status message appears when aborts a print operation in process. Applies to screen, database, or log file print requests.

General

`Print Operation Completed`

Explanation This status message appears when all requested material has been printed. Applies to screen, database, or log file print requests.

General

`Printing Log File For (filename)`

Explanation The name of the log file printing is displayed.

Print/Display System Log File

`Printing Trace File For (filename)`

Explanation The name of the trace file being printed is displayed.

Print/Display System Trace File

`PRI Protocol Parameters Set To Defaults`

Explanation You made a change in either the Access Type or Switch Type field. When you make a change to either of these fields, all PRI protocol values are reset to the defaults.

ICC ISDN Span Configuration

`Start of Prompt Library`

Explanation The Prev Screen key was pressed while the start of the prompt list was already displayed.

Prompt Library Maintenance

`Rack – 1 or 2`

Explanation An invalid rack/cabinet number was entered.

Resource Group Configuration

`Rcvr X, Test Y`

Explanation The receiver port being tested (X) and the cumulative number of tests run (Y) are displayed.

Service Circuit Test Utility

`Reading...`

Explanation The system is reading the contents of the file specified using the Display File operation.

Disk Utilities

`Reading directory...`

Explanation The system is reading the contents of the directory specified using the Show Directory operation.

Disk Utilities

`Reading Next Format`

Explanation The system is preparing data for display; the screen is blank except for the message area.

General

`Reconfigure Your Terminal Now`

Explanation The Enter key was pressed a second time after modifying the protocol configuration settings for the terminal (local or remote) that you are logged in on. Refer to the OEM documentation supplied with the terminal for instructions about configuring the terminal's protocol.

Peripheral Configuration

`RECORD Feature Has Been Disabled Due to C-bus`

Explanation An attempt was made to execute the RECORD token in a C-bus switch. The IPRC record function has been temporarily disabled.

IPRC Card Configuration

`Rehunt Threshold 0–5`

Explanation A character other than a number from 0 to 5 was entered in the THRESHOLDS, RHUNT field.

Resource Group Summary

`Remote Log Out`

Explanation A user at a remote location logged out. The system can now be accessed by a user logging in to the system via the local console.

General

`Removing Path Between TSA XX + XX`

Explanation A card has been changed from Active to another state. The system is removing a path between a port on that card and another port previously established using the Set Path function.

Card Maintenance

`Renaming files...`

Explanation The system is renaming file(s). A message listing the number of files renamed follows.

Disk Utilities

`Reset Time out of range`

Explanation The value entered for the Retry Counter was greater than 999 seconds. Specify a valid reset time value (between 60 and 999).

Host Configuration

`Retrieving Database...`

Explanation The system is copying system database files from a floppy disk back onto the hard drive.

Disk Utilities

`Retry Counter out of range 0–255`

Explanation The value entered for the Retry Counter was greater than 255. Specify a valid retry counter value.

Host Configuration

`RLS X,X,XX Being Activated`

Explanation The system is changing the status of the card specified by Rack, Level, Slot to Active. This message appears after C was entered in the command field and A was entered to activate a card.

Card Maintenance

`Rule Cannot DO Itself`

Explanation The same inpulse rule number being defined was entered in the data field following a DO RULE token.

Inpulse Rules Table

`Screen Access Table Updated`

Explanation The access level/function key assignment changes were successfully stored in the system database.

Screen Access Configuration

`Select Device, Enter For Display`

Explanation Press the Select and Reverse Select keys to scroll through the storage device listing. Once the device is selected, press **Enter** to display the configuration data.

Software/Firmware Configuration

`Slot – 1 to 21`

Explanation An invalid slot number was entered.

Resource Group Configuration

`Speak Uses 1 – 255`

Explanation A character other than a digit from 1 to 255 was entered for the prompt number in the data field following a SPEAK token.

Inpulse Rules Table

`Special Char Input Not Allowed`

Explanation One of the following keys: : ; = > ? @ ! " # $ % & ' - . / [_] (_) was entered. Most fields do not accept these characters as input.

General

`Storing Database...`

Explanation The system is copying system database files from the hard drive onto a floppy disk.

Disk Utilities

`Subrate Config Not Locked by User`

Explanation The attempt to update the subrate configuration failed due to the configuration being locked by the SNMP administration station.

Subrate Configuration

`Subrate Data Is Already Locked`

Explanation The attempt to update the subrate configuration failed due to the configuration being locked by the SNMP administration station.

Subrate Configuration

`Subrate Data Saved`

Explanation The subrate switch configuration settings were successfully stored in system memory.

Subrate Configuration

`Subrate Path Removed from System`

Explanation The selected subrate connection paths have been torn down.

Subrate Connection Display

`Subrate Path Request Has Been Processed`

Explanation The subrate connection request has been successfully completed.

Subrate Connection Display

`Subrate Switchover Request Initiated`

Explanation The subrate switchover request was accepted and the switchover has been initiated.

Card Maintenance

`Supervision Template File Updated`

Explanation The Enter key was pressed when the “Press 'ENTER' To Update Templates” message was displayed. The changes are being written to disk and the templates are being downloaded to the system CPA(s).

Answer Supervision Templates

`System Host Config. Updated`

Explanation The system host configuration settings were successfully stored in system memory.

System Host Configuration

`System Switch Initiated`

Explanation The system switchover has begun. Use the status messages written to the system log files and/or printer to follow the switchover’s progress of the switchover.

Switch Active System to Standby

`TeleRouter Not Installed`

Explanation A menu selection specific to the optional TeleRouter software overlay was selected, but TeleRouter is not installed on the system.

General

`Telnet Log Out`

Explanation One of the following conditions caused you to be logged out:

- You intentionally logged out.
- You were logged out by the system because the console was idle (that is, you had not pressed a key to update the screen) for a specified period of time.
- The Telnet or modem connection was lost.

Peripheral Configuration

`Telnet Stream Closed`

Explanation The Telnet connection was lost.

Peripheral Configuration

`Template Update Aborted`

Explanation A key other than Enter was pressed when the “Press 'ENTER' To Update Templates” message was displayed. The operation was canceled and no changes were made to the database.

Answer Supervision Templates

`Test Loop Complete ATP`

Explanation The test has completed and all ports passed the test (All Tests Passed).

Service Circuit Test Utility, Test Port Card

`Test Loop Complete STF`

Explanation The test has completed but that some ports failed the test (Some Tests Failed). Messages that specify the failed ports are output to the system printer.

Service Circuit Test Utility, Test Port Card

`That Username Already Exists`

Explanation An attempt was made to add a new system user with a username that has already been assigned. Retry the operation with another username.

Password Configuration

`That Username Does Not Exist`

Explanation An unknown username was specified while attempting to either delete a user or modify a password/access level. Check the username and retype the information.

Password Configuration

`There Are No Users Entered`

Explanation D (delete) or C (change) was entered in the command field although no system users have been defined in the database.

Password Configuration

`This Card Is Not In The System`

Explanation This prompt appears when the R-L-S entered for a delete, change card status, or change port status does not have a card defined in the database. Pressing any key other than Enter will abort the operation.

Card Maintenance

`This Card Is Not Out of Service`

Explanation An attempt was made to delete a card that is still active. Change the card status from Active, Standby, Maintenance, or Diagnostic to out-of-service and retry the operation.

Card Maintenance

`This Card Type Cannot Be Displayed`

Explanation A character was entered in the DISP CARD field corresponding to a bus or internal service circuit card. Only network interface cards (lines and trunks) can be displayed.

Card Summary

`This Console Session Is No Longer Active`

Explanation The Local TTY setting was changed from Console to Telnet. All local administration must now be performed over the Telnet connection (including changing the Local TTY setting back to Console).

Peripheral Configuration

`This Does Not Match The New Password`

Explanation An incorrect password was entered in the Verify Password data entry field while attempting to either delete a user or modify a password/access level. Check the password and retype the information.

Password Configuration

`This Is (resource type) Group`

Explanation An attempt was made to add a port to the incorrect type. This message applies to resource groups for DCC, DTMF, MF, MFCR2, DVC, IPRC, and CPA ports. Only one group is allowed for each of these resource types, and all members must be of the same type. Possible resource types that can be displayed in the message are CONF (DCC) DTMF Receiver, MF Receiver, MFCR2 Transceiver, Announcement (DVC and IPRC) and Call Processing Analyzer (CPA).

Resource Group Configuration

`This Is Not (resource type) Group`

Explanation An attempt was made to add a port to a group, but a resource group had already been created for this port type. This message applies to resource groups for DCC, DTMF, MF, MFCR2, DVC, and CPA ports. Only one group is allowed for each of these resource types, and all members must be of the same type. Possible resource types that can be displayed in the message are CONF (DCC), DTMF Receiver, MF Receiver, MFCR2 Transceiver, Announcement (DVC) and Call Progress Analyzer (CPA).

Resource Group Configuration

`This is the first page of this screen`

Explanation The Prev Screen key was pressed while the first page of the configuration was displayed.

Host Configuration

`This is the last page of this screen`

Explanation The Next Screen key was pressed while the last page of the configuration was displayed.

Host Configuration

`This Rule Is Full`

Explanation An attempt was made to insert a token into a rule with 16 tokens.

Outpulse Rules Table

`This Telnet Session Is No Longer Active`

Explanation The Local TTY setting was changed from Telnet to Console. All local administration must now be performed via the master console (including changing the Local TTY setting back to Telnet).

Peripheral Configuration

`This Token Already Empty`

Explanation The Insert key was pressed when the cursor was already located in a blank field.

Inpulse Rules Table, Outpulse Rules Table

`This Type Is Not Compatible To The Slot`

Explanation An attempt was made to enter a card that is not compatible with a designated slot.

Card Maintenance

`Time Should Be 1 – 10`

Explanation On the Inpulse Rule Table screen, characters other than a number from 1 to 10 were entered for the number of seconds for a WAIT TIME or TIM INTER token. On the Outpulse Rule Table screen, characters other than a number from 1 to 10 were entered for the number of 250-millisecond intervals for a WAIT TIME token.

Inpulse Rules Table, Outpulse Rules Table

`Time Should Be 1 – 60`

Explanation Characters other than a number from 1 to 60 were entered for the number of seconds for a TIME SUP token.

Outpulse Rules Table

`Timeout Entering Password`

Explanation An entry was typed in the Password field on the login screen, but Return was not pressed within 60 seconds. The screen is redrawn and both the Username and Password fields revert to blanks.

General

`Timeout Entering Username`

Explanation An entry was typed in the Username field on the login screen, but Return was not pressed for 60 seconds. The screen is redrawn and the Username field reverts to blanks.

General

`Timeout error during update`

Explanation When the system attempted to update the link configuration and reset the link, an error caused the operation to fail. Check all configuration values and retry the operation. If the problem persists, contact Cisco Systems TAC.

Host Configuration

`Timeslot Capacity Exceeded!`

Explanation A timeslot value was selected that was beyond the amount of resources available.

Subrate Configuration

`To Delete Card, Depress Enter!`

Explanation An attempt was made to delete a card with a valid location and out-of-service status. This message appears as a confirmation prior to deleting the card.

Card Maintenance

`Tone Configuration Changed!`

Explanation The Y key was pressed to confirm a tone plan configuration change.

Multiple Tone Plan Configuration

`Tone Should Be 0 – 1 Or 3 – 7 Or 9 – 63`

Explanation A character other than a digit was entered in the specified range for the tone number in the data field following a TONE ENAB, TONE FDIG, TONE END, or TONE CLR token.

Inpulse Rules Table

`Tone Should Be 0 – 63`

Explanation A character other than a digit from 0 to 63 was entered for the tone number in the data field following a TONE NOW token.

Inpulse Rules Table

`Trace Configuration Updated`

Explanation The configuration settings for message tracing operations were successfully stored in system memory.

System Trace Configuration

`Trace File For This Date Not Found`

Explanation A valid date was specified but there is no trace file for that date on the hard drive.

Print/Display System Trace File

`Trace Flags Modified`

Explanation The Enter key was pressed after changing one or more settings in the Trace fields.

Port Display

`TSA X Not Assigned`

Explanation The port address entered does not correspond to any card in the database. Check the address and retry the operation.

Set Up Path Utility

`Type Port Numbers, Then Depress Enter!`

Explanation This prompt appears when the system has accepted a valid card location for assigning the number of available ports on a card in the system, or for changing port status. Press Next Field and type in the port numbers or blanks. Press Enter to assign the ports.

Card Maintenance

`Type Status, Then Depress Enter!`

Explanation This prompt appears when the system has accepted a valid card location and card type for changing the status of a card in the system. Type A, S, O, D, M or R and press Enter to complete the operation. Pressing any key other than Enter aborts the operation.

Card Maintenance

`Unable To Close Card Table On Disk`

Explanation A file error occurred when the system attempted to close the database card table. A detailed error message is sent to the printer.

Line Card Configuration, Trunk Card Configuration

`Unable To Close Conference Table On Disk`

Explanation A file error occurred when the system attempted to close the conference table (resource group conference ports are linked together in the conference table). A detailed error message is sent to the printer.

Resource Group Configuration

`Unable To Close Port Table On Disk`

Explanation A file error occurred when the system attempted to close the database port table (resource group ports are linked together in the port table). A detailed error message is sent to the printer.

Resource Group Configuration

`Unable To Close Resource Group Table`

Explanation A file error has occurred when trying to close the database resource group table on disk. A detailed error message is sent to the printer.

Resource Group Configuration

`Unable To Close Rules Table On Disk`

Explanation A file error occurred while trying to close the Inpulse or Outpulse Rule Table file on disk. A detailed error message is sent to the system printer.

Inpulse Rules Table, Outpulse Rule Table

`Unable To Unmount Disk`

Explanation The system encountered an error when dismounting the floppy diskette following a database store/retrieve operation. Retry the operation. If this error continues, contact Cisco Systems TAC.

Disk Utilities

`Unable To Update Card Table On Disk`

Explanation A file error occurred when the system attempted to access the database card table. A detailed error message is sent to the printer.

Line Card Configuration, Trunk Card Configuration

`Unable To Update Conference Table On Disk`

Explanation A file error occurred when the system attempted to access the database conference table (resource group conference ports are linked together in the conference table). A detailed error message is sent to the printer.

Resource Group Configuration

`Unable To Update Port Table On Disk`

Explanation A file error occurred when the system attempted to access the database port table (resource group ports are linked together in the port table). A detailed error message is sent to the printer.

Resource Group Configuration

`Unable To Update Resource Group On Disk`

Explanation A file error occurred when the system attempted to access the database resource group table. A detailed error message is sent to the printer.

Resource Group Configuration, Resource Group Summary

`Unable To Update Rules On Disk`

Explanation A file error occurred while trying to access the Inpulse or Outpulse Rule Table file on disk. A detailed error message is sent to the system printer.

Inpulse Rules Table, Outpulse Rule Table

`Undefined Path`

Explanation An attempt was made to delete a path that has not been defined. Check the addresses and retry the operation.

Set Up Path Utility

`Unexpected Port, State Not Changed`

Explanation An attempt was made to activate a port using the **P** command, but did not specify the correct port value. Each two-digit port field corresponds to a specific port number; a number was entered that did not match the correct port number for that field.

Card Maintenance

`Unknown I/O Error`

Explanation An internal processing error has occurred on the system. Contact Cisco Systems TAC.

General

`Unknown Password`

Explanation The entry in the login Password field is not valid for the username entered. Enter the password assigned to the username via the Password Configuration utility.

General

`Unknown Username`

Explanation The entry in the login Username field is not defined in the system database. If no usernames/passwords have been defined, type **admin** and press **Return** twice to log into the system. Otherwise, enter a valid username defined in the database via the Password Configuration utility.

General

`Unsupported Terminal Type`

Explanation An internal processing error has occurred on the system. Contact Cisco Systems TAC.

General

`Update Aborted`

Explanation A key other than Enter was pressed when the "Press ENTER To Update Group Name(s)" message was displayed or a console timeout occurred. The operation was canceled and no change was made to the database.

NFAS Group Summary

`Update cancelled`

Explanation A key other than Enter was pressed after changes were made to the host configuration. A key other than Enter was pressed when the "Press ENTER To Update Configuration" message was displayed or a console timeout occurred. The operation was canceled and no change was made to the database.

Host Configuration, NFAS Configuration

`Update Gateway Route Configuration (Y/N)?`

Explanation Asks for confirmation to update the configuration based on the data you entered. If you enter N, the Gateway Routing Configuration screen is replaced by the System Configuration screen.

Gateway Routing Configuration

`Use ENTER To Change Master Timing Link`

Explanation Prompts for confirmation of the Master Timing Link change. If any key other than Enter is pressed, the change is aborted.

Master Timing Link Selection

`Use SELECT Key For This Field`

Explanation A key other than Select or Reverse Select was pressed.

General

`User <username> Logged In On Console`

Explanation An attempt was made to log in from the remote console when the local console is already in use. Only one console can be logged in at a time.

General

`User <username> Logged In On Remote`

Explanation An attempt was made to log in from the local console when the remote console is already in use. Only one console can be logged in at a time.

General

`Usernames Must Be At Least 3 Chars.`

Explanation An entry with less than 3 characters was typed in the Username field. All usernames must be from 3 to 15 characters in length.

Password Configuration

`Valid Subrate Timeslot Range: 8 to XXXX`

Explanation An invalid value was entered for the Timeslots Allocated For Subrate field. For 2K systems, the valid range for this field is 8 to 2048 time slots in multiples of 8. For 4K systems, the valid range for this field is 8 to 4096 time slots in multiples of 8.

Subrate Configuration

`XX bytes free on [device]`

Explanation The of number free bytes on the specified disk device is displayed.

Disk Utilities

`XX files.`

Explanation The number of files that are in the selected directory is displayed.

Disk Utilities

`XX files copied.`

Explanation The number of files that were copied using the Copy Files operation is displayed.

Disk Utilities

`XX files deleted.`

Explanation The number of files that were deleted using the Delete Files operation is displayed.

Disk Utilities

`XX files renamed.`

Explanation The number of files that were renamed using the Rename Files operation is displayed.

Disk Utilities

Miscellaneous Messages

The following messages pertain to software and system errors.

`CODERR: ../source/api_slot_table.c, 1180, 22`

Explanation A software error was detected.

Action Contact Cisco Systems TAC.

`CODERR: RS_state_machine_front calling error_action`

Explanation Advisory message for the Subrate Card and its state machine handling—synchronization of the Subrate application's active and standby communication for redundancy management.

Action This message can be service affecting only if you use a Subrate card in the VCO/4K. If so, contact TAC. Otherwise, this message is not service affecting and should be ignored.

`SYSERR: ../source/api_slot_table.c, 790, 21`

Explanation A system error was detected.

Action Contact Cisco Systems TAC.