

show alarm

This chapter includes the **show alarm** command output tables.

- show alarm all, on page 1
- show alarm audible, on page 2
- show alarm central-office, on page 2
- show alarm facility, on page 3
- show alarm outstanding all verbose, on page 3
- show alarm statistics, on page 4

show alarm all

Table 1: show alarm all Command Output Descriptions

Field	Description
Audible Alarm	Indicates status of Audible Central Office (CO) Alarm on the SMC (ASR 5000) or SSC (ASR 5500): OFF = audible alarm disabled; ON = audible alarm enabled.
Alarm Statistics:	

Field	Description

Cumulative Totals	Indicates the number of alarms that have occurred since the system was last booted:
	• **Total:** The total number of currently outstanding alarms.
	• **Critical (CR):** This alarm is triggered when events cause a degradation in service.
	• **Major (MJ)**: This alarm is triggered on the following conditions:
	  • A hardware failure was detected on a card that will cause it to be taken off-line.
	  • One of the Power Filter Units has failed or was removed.
	  • One or more of the fans on either the upper or lower fan tray have failed.
	  • The upper or lower fan tray has been removed.
	• **Minor (MN):** This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.

Outstanding Alarms:	
Sev	Indicates the severity of the alarm indicated as **CR** (critical), **MJ** (major) or **MI** (minor).
Object	Indicates the source of the alarm.
Event	Displays information about the type of alarm.

show alarm audible

Indicates the current state of the Audible CO Alarm on the SMC (ASR 5000) or SSC (ASR 5500) as:

- "Audible Alarm OFF" (Disabled)
- "Audible Alarm ON" (Enabled)

show alarm central-office

Indicates the current state of the Central Office Alarm contacts on the SPIO card (ASR 5000) or SSC (ASR 5500) as:

- "All Central Office (CO) alarms are off" (Disabled)
- "All Central Office (CO) alarms are on" (Enabled)

show alarm facility

Indicates the current state of the Audible CO Alarm and CO alarm contacts on the SMC/SPIO (ASR 5000) or SSC (ASR 5500) as:

- "Audible Alarm OFF"

  "All Central Office (CO) alarms are off" (Disabled)

- "Audible Alarm ON"

  "All Central Office (CO) alarms are on" (Enabled)

show alarm outstanding all verbose

Table 2: show alarm outstanding all verbose Command Output Descriptions

Field	Description

Severity (Sev)	If an alarm is present, the system indicates that one of the following alarm levels has been triggered:
	• **Critical (CR):** This alarm is triggered when events cause a degradation in service (i.e. the system is supporting a large number of subscribers and Processing Cards are removed thus reducing the amount of available CPU and memory resources).
	• **Major (MJ)**: This alarm is triggered on the following conditions:
	  • A hardware failure was detected on a card that will cause it to be taken off-line.
	  • One of the Power Filter Units has failed or was removed.
	  • One or more of the fans on either the upper or lower fan tray have failed.
	  • Either the upper or lower fan trays have been removed.
	• **Minor (MN):** This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.

Object	Describes the source and type of the alarm event.
Timestamp	Lists the date and time that the alarm condition was triggered, in the format: <day-of-week> <month> <day> <hh:mm:ss> <timezone>.
Alarm ID	The internal system ID of the alarm.

show alarm statistics

Table 3: show alarm statistics Command Output Descriptions

Field	Description

Current Outstanding Alarms	Indicates the alarm conditions that are currently active:
	• **Total:** The total number of currently outstanding alarms.
	• **Critical (CR):** This alarm is triggered when events cause a degradation in service.
	• **Major (MJ)**: This alarm is triggered on the following conditions:
	  • A hardware failure was detected on a card that will cause it to be taken off-line.
	  • One of the Power Filter Units has failed or was removed.
	  • One or more of the fans on either the upper or lower fan tray have failed.
	  • The upper or lower fan tray has been removed.
	• **Minor (MN):** This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.

Cumulative Totals	Indicates the number of alarms that have occurred since the system was last booted:
	• **Total:** The total number of currently outstanding alarms.
	• **Critical (CR):** This alarm is triggered when events cause a degradation in service.
	• **Major (MJ)**: This alarm is triggered on the following conditions:
	  • A hardware failure was detected on a card that will cause it to be taken off-line.
	  • One of the Power Filter Units has failed or was removed.
	  • One or more of the fans on either the upper or lower fan tray have failed.
	  • The upper or lower fan tray has been removed.
	• **Minor (MN):** This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.