



## show alarm

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## 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.
<b>Alarm Statistics:</b>	

Field	Description
Cumulative Totals	<p>Indicates the number of alarms that have occurred since the system was last booted:</p> <ul style="list-style-type: none"> <li>• <b>Total:</b> The total number of currently outstanding alarms.</li> <li>• <b>Critical (CR):</b> This alarm is triggered when events cause a degradation in service.</li> <li>• <b>Major (MJ):</b> This alarm is triggered on the following conditions: <ul style="list-style-type: none"> <li>• A hardware failure was detected on a card that will cause it to be taken off-line.</li> <li>• One of the Power Filter Units has failed or was removed.</li> <li>• One or more of the fans on either the upper or lower fan tray have failed.</li> <li>• The upper or lower fan tray has been removed.</li> </ul> </li> <li>• <b>Minor (MN):</b> This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.</li> </ul>
<b>Outstanding Alarms:</b>	
Sev	Indicates the severity of the alarm indicated as <b>CR</b> (critical), <b>MJ</b> (major) or <b>MI</b> (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)	<p>If an alarm is present, the system indicates that one of the following alarm levels has been triggered:</p> <ul style="list-style-type: none"> <li>• <b>Critical (CR):</b> 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).</li> <li>• <b>Major (MJ):</b> This alarm is triggered on the following conditions:               <ul style="list-style-type: none"> <li>• A hardware failure was detected on a card that will cause it to be taken off-line.</li> <li>• One of the Power Filter Units has failed or was removed.</li> <li>• One or more of the fans on either the upper or lower fan tray have failed.</li> <li>• Either the upper or lower fan trays have been removed.</li> </ul> </li> <li>• <b>Minor (MN):</b> This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.</li> </ul>
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	<p>Indicates the alarm conditions that are currently active:</p> <ul style="list-style-type: none"> <li>• <b>Total:</b> The total number of currently outstanding alarms.</li> <li>• <b>Critical (CR):</b> This alarm is triggered when events cause a degradation in service.</li> <li>• <b>Major (MJ):</b> This alarm is triggered on the following conditions: <ul style="list-style-type: none"> <li>• A hardware failure was detected on a card that will cause it to be taken off-line.</li> <li>• One of the Power Filter Units has failed or was removed.</li> <li>• One or more of the fans on either the upper or lower fan tray have failed.</li> <li>• The upper or lower fan tray has been removed.</li> </ul> </li> <li>• <b>Minor (MN):</b> This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.</li> </ul>
Cumulative Totals	<p>Indicates the number of alarms that have occurred since the system was last booted:</p> <ul style="list-style-type: none"> <li>• <b>Total:</b> The total number of currently outstanding alarms.</li> <li>• <b>Critical (CR):</b> This alarm is triggered when events cause a degradation in service.</li> <li>• <b>Major (MJ):</b> This alarm is triggered on the following conditions: <ul style="list-style-type: none"> <li>• A hardware failure was detected on a card that will cause it to be taken off-line.</li> <li>• One of the Power Filter Units has failed or was removed.</li> <li>• One or more of the fans on either the upper or lower fan tray have failed.</li> <li>• The upper or lower fan tray has been removed.</li> </ul> </li> <li>• <b>Minor (MN):</b> This alarm is triggered when a high temperature is detected on a card causing the fan tray to switch to high speed.</li> </ul>