Task-Based Reference

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• ALARM HISTORY Indicator—present only until it is clicked away, indicates, in effect, whether someone has noticed the alarm and looked into its significance. The color of this indicator will be that of the worst alarm existing for the identified network element (if any major alarm exists, the color will be red).

NOTE: These two types of indicators operate independently from one another. If the condition causing the alarm is cleared, resulting in a "green" status indicator, the history indicator will still remain until it is clicked away. By the same token, acknowledging the alarm has no effect on the alarm status indicator since that has no effect on the underlying physical condition causing the alarm.

To view and acknowledge alarms

- 1. Select **View** \Rightarrow **AlarmOverview** to display the **AlarmOverview** window.
- 2. Look for ALARM STATUS indicators with colors yellow or red, as shown in Figure 27.

AlarmOverview			<u>ь, б.</u>
HOST ALARM STATUS	HOST ALARM HIST	REMOTE ALARM STATUS	REMOTE ALARM HIST
EmbarrassMinn	Hist Ack	IntFalls	Hist Ack
Askov 📃		Tower	Hist Ack
FnFal_H		FnFal_R	Hist Ack

Figure 27. Units With Alarms

- 3. Interpret the ALARM STATUS indicators as follows:
 - **Red** = one or more major alarms exist. A major alarm places the identified unit in standby operating mode (stopping RF functions).
 - **Yellow** = one or more minor alarms exist at the network element. A minor alarm allows the unit to continue functioning in normal mode.
 - **Green** = no alarms exist at the network element.
- Check if any unit has an ALARM HIST indicator, such as shown in Figure 28. If any does, click on the ALARM HIST button (labeled Hist Ack) to start the process to acknowledge the alarm.

Using Alarm Overview to View and Acknowledge Alarms





5. When the dialog window shown below in Figure 29 appears, click on the **OK** button to indicate that you are aware of the alarm and aware that alarm history text is available for viewing.

AlarmOverview			с ^к 🛛
HOST ALARM STATUS	HOST ALARM HIST	REMOTE ALARM STATUS	REMOTE ALARM HIST
EmbarrassMinn		IntFalls	Hist Ack
Askov		Tower	Hist Ack
FnFal_H		FnFal_R	Hist Ack
Alarm Hist One Ple: Clic	ory Info or more system alarms ha ase look into EMS log file fo k OK to acknowledge.	ave been raised since last a or details. OK	X

Figure 29. Alarm Overview Example

NOTE: After you click on the **OK** button, the **ALARM HIST** indicator will disappear from the display, as shown in Figure 30.

6. Check the EMS log file, as shown in Figure 31, for alarm history text to determine the events associated with the alarm. For information on how to view the file, refer to Topic 3.15, Viewing the EMS Log File, on page 53.

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AlarmOverview			r, 1 <u>5</u> , 15, 15, 15, 15, 15, 15, 15, 15, 15, 15
HOST ALARM STATUS	HOST ALARM HIST	REMOTE ALARM STATUS	REMOTE ALARM HIST
EmbarrassMinn		IntFalls	Hist Ack
Askov		Tower	Hist Ack
FnFal_H		FnFal_R	Hist Ack

Figure 30. HOST ALARM HIST Cleared

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↓ → ⊗ Image: Contract of the second	»
Address 🔮 C.\adc\dems.xml 🔽 🔗 Go	Links »
<pre> <logrec date="2003-04-22-12.51.59" node="39" title="STATUS"> <desc>Apr 22, 2003 12:51:59 PM: DEMS (39 Host.13)Askov GET Status ALL \</desc> OpMode NormI Temp 0k 3p8Volt 0k 8Volt 0k PriLaserFail 0k \ PriRXLite 0k PriRXErr 0k SecRXLite 0k SecRXErr 0k PriFwdMux 0k \ HudSynLock 0k PriRevSyn 0k SecRevSyn 0k RF0ver 0k RFUnder 0k \ HudSynLock 0k PriRevSyn 0k SecRevSyn 0k RF0ver 0k RFUnder 0k \ HudSynLock 0k PriRevSyn 0k SecRevSyn 0k RF0ver 0k RFUnder 0k \ End 19_DBE \ End 19_DBE \ End 2003-04-22-12.51.59"> End 2003-04-22-12.51.59" En</logrec></pre>	
😰 Done 🔄 🖳 My Computer	//

Figure 31. Example of Alarm History Text

7. If desired, also check the alarm detail windows for the host and remote unit. To interpret the host display, see Topic 4.4.2 on page 71. To interpret the remote display, see Topic 4.5.2 on page 82.

To view alarm history using the NOC-NEM interface

Use the GET ALARM command (see Topic 5.5.6 on page 101).

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3.9 Viewing Alarm Detail

Alarm Detail lists and tells the status for all alarm indicators received from the host/remote pair. There are separate windows for the host and remote units.

To view alarm detail for a host/remote pair

- 1. From the View menu, select the names of the host/remote pair.
- 2. The Alarms windows display as shown in Figure 32.
- 3. To interpret the host display, see Topic 4.4.1 on page 69. To interpret the remote display, see Topic 4.5.1 on page 80.

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HOST		Ma	ajor —			—— Minor ———
Alarms	Oper Mode	Norml	3.3 Volt		Temp	oerature 📃
RF	Pri Laser Fail		Pri Rx Light		Sec F	Rx Light
Host	Dri Py Errore		Dri Fund Muy Lock	;	Sec.E	
ra Load			PITTWO MOX LOCK		360 1	
Config	RF Overdrive		Hardware Mismatch		RF Un	nderdrive
DR Cfg	Remote Lost		EMS Link Status		BLas	ser Fail
	Ref Synth Lock		Host FPGA Fault		BLas	ser Mux Fault
EMOTE			- Major			Minor —
<mark>EMOTE</mark> Alarms	Oper Mode Norm	AC Fail	- Major	Convertor		Minor — Temperature
<mark>EMOTE</mark> Narms RF STM	Oper Mode Normi	AC Fail 8 Volt	- Major	Convertor Pri Rx Light		Minor Temperature Sec Laser Fail
EMOTE Marms RF STM IC Pwr	Oper Mode <u>Normi</u> 3.8 Volt Pri Errors	AC Fail 8 Volt Pri Rev Mux Lock	- Major	Convertor Pri Rx Light Pri Rev Sy		Minor Temperature Sec Laser Fail
EMOTE Marms RF STM IC Pwr xt Alm	Oper Mode Normi	AC Fail 8 Volt Pri Rev Mux Lock System VSWR	- Major Battery Voltage Pri Laser Fail Fwd Synth Lock LPA Detect	Convertor Pri Rx Light Pri Rev Sy		Minor Temperature Sec Laser Fail Sec Rev M
EMOTE Narms RF STM C Pwr xt Alm rg Load Config	Oper Mode Normi	AC Fail 8 Volt Pri Rev Mux Lock System VSWR	- Major	Convertor Pri Rx Light Pri Rev Sy LPA Disable		Minor Temperature Sec Laser Fail Sec Rev M
MOTE Ilarms RF STM IC Pwr xt Alm g Load Config	Oper Mode Normi 3.8 Volt Pri Errors Ref Synth Lock LPA DC Fail	AC Fail 8 Volt Pri Rev Mux Lock System VSWR LPA Loop Failed	- Major	Convertor Pri Rx Light Pri Rev Sy LPA Disable LPA Over Power		Minor
RF STM C Pwr xt Alm rg Load Config	Oper Mode Norm! 3.8 Volt	AC Fail 8 Volt Pri Rev Mux Lock System VSWR LPA Loop Failed Major Extern Input	- Major	Convertor Pri Rx Light Pri Rev Sy LPA Disable LPA Over Power Hardware		Minor



To view alarm detail using the NOC-NEM interface

Use the GET ALARM command (see Topic 5.5.6 on page 101).