Service

HiPath 4000
Troubleshooting

Service Manual

A31003-H3130-S100-4-7620

SIEMENS

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A9000

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A9000
NMCALARM
SET ALARM LOW *for SP300-V3.1*
MINOR ALARM ON *from SP300-V3.2*

Type: Service-Specific (Format 2C)
Short text: Alarm Message
Cause: Low-priority alarm is set.
Action: Save error message data and contact your next level of support. The
device class affected is output in the DEV-CLASS line. In addition, the individual alarm affected
is output in the line **ALARM-NAME:**. *From SP300-V3.4/R6.3* the device class affected is output
in the ALARM-CLASS line.
Interpretation of auxiliary data: The ALARM NAME concerned is output as clear text.

See also: Alarm concept.

A9001
NMCALARM
SET ALARM HIGH *for SP300-V3.1*
MAJOR ALARM ON *from SP300-V3.2*

Type:	Service-Specific (Format 2C)
Short text:	Alarm Message
Cause:	High-priority alarm is set.
Action:	The device class affected is output in the DEV-CLASS line.
Action:	Save error message data and contact your next level of support. The

device class affected is output in the DEV-CLASS line. In addition, the individual alarm affected is output in the line **ALARM-NAME:**. *From SP300-V3.4/R6.3* the device class affected is output in the ALARM-CLASS line.

Interpretation of auxiliary data: The ALARM NAME concerned is output as clear text.

See also: Alarm concept.

A9002
NMCALARM
RESET ALARM LOW *for SP300-V3.1*
MINOR ALARM OFF *from SP300-V3.2*

Type:	Service-Specific (Format 2C)
Short text:	Alarm Message
Cause:	Low-priority alarm has been reset.
Action:	Positive acknowledgment of A9000, no action necessary.

See also: Alarm concept.

A9003
NMCALARM
RESET ALARM HIGH *for SP300-V3.1*
MAJOR ALARM OFF *from SP300-V3.2*

Type:	Service-Specific (Format 2C)
Short text:	Alarm Message
Cause:	High-priority alarm has been reset.
Action:	Positive acknowledgment of A9001, no action necessary.

See also: Alarm concept.

A9004
NMCALARM
ALARM MIRROR *up to SP300-V3.3*

Type: Service-Specific (Format 2C)

Short text: Alarm mirror for all device classes

Cause: Alarm mirror alarm for all device classes (DEV CLASS) of the system processor concerned. The DEV CLASS line shows the sum of the individual alarms set. No longer in use, as of SP300-V3.4.

Action: Save error message data and contact your next level of support. This summary alarm message cannot be requested via external command, but is output automatically after each functional system unit restart or switchover. Determine reason for functional system unit restart.

See also: Alarm concept.

A9005
NMCALARM
PERIOD ALARM MIRROR *from SP300-V3.2*

Type: Service-Specific (Format 2C)
Short text: Alarm Message
Cause: Alarm mirror requested via AMO GRA (from SP300-V3.3) or external NMC/DMS command. The DEV CLASS line shows the sum of the individual alarms set. No longer in use, as of SP300-V3.4/R6.3.
Action: Manually requested alarm mirror, no action necessary.

See also: Alarm concept.

A9006
NMCALARM
DEVICE ALARM ON *from SP300-V3.4/R6.3*

Type: Service-Specific (Format 2C)
Short text: Alarm message
Cause: The DEVICE ALARM was introduced for monitoring vital system
components (e.g. lines). The system reports a failure of the system component(s) being
monitored.
Action: Save error message data and contact your next level of support. The
device class affected is output in the ALARM-CLASS line.

See also: Alarm concept.

A9007
NMCALARM
DEVICE ALARM OFF *from SP300-V3.4*

Type:	Service-Specific (Format 2C)
Short text:	Alarm message
Cause:	DEVICE ALARM has been reset.
Action:	Positive acknowledgment of A9006, no action necessary.

See also: Alarm concept.

A9008
NMCALARM
MIRROR: CENTRAL GRP *ab SP300-V3.4/R6.3*

Type:	Service relevant	(Format 30)

Short text: Alarm messages

Cause: This alarm message is displayed after every module restart or switch. The alarm message contains the alarm mirror for all central SWU or SM (ADP) alarms.

System reaction:

Action: Save error message data and notify your next level of support.

Interpretation of auxiliary data:

Bytes 1 to 8 contain the 64 central alarms.

See also: Alarm concept.

A9009
NMCALARM
MIRROR: SWU-PER GRP *SP300-V3.4/R6.3 and later*

Type: Service relevant   (Format 30)
Short text: Alarm messages
Cause: The alarm message is displayed after every module restart or switch. This alarm message contains the alarm mirror for all SWU periphery alarms.
System reaction:
Action: Save error message data and notify your next level of support.
Interpretation of auxiliary data:

Byte 1 - 4 contains the 32 SWU periphery alarms.

See also: Alarm concept.

A9010
NMCALARM
MIRROR: SWU-LOG GRP *from SP300-V3.4*

Type: Service-Specific (Format 30)
Short text: Alarm Message (from SP300-V3.4)
Cause: This alarm message is output after each functional system unit restart or switchover. Alarm mirror for all the logical alarms of the SWU (**SWU-LOG**).
Action: Save error message data and contact your next level of support.
Interpretation of auxiliary data:

11: Byte 1 contains the 8 individual alarms
22: Byte 2 - 65 contains the 512 destination-specific alarms
33: Byte 66 - 73 contains the 64 user-specific alarms

See also: Alarm concept.

A9011
NMCALARM
MIRROR: SM-PER GRP *from SP300-V3.4*

Type: Service-Specific (Format 2C)
Short text: Alarm Message
Cause: This alarm message is output after each functional system unit restart or switchover. Alarm mirror for all the peripheral alarms of the server/ADP (**SM-PER**).
Action: Save error message data and contact your next level of support.
Interpretation of auxiliary data: Bytes 1 - 3 contain the 24 server periphery alarms

See also: Alarm concept and SM periphery alarm class.

A9012
NMCALARM
PER-MIR: CENTRAL GRP *from SP300-V3.4*

Type: Service-Specific (Format 2C)
Short text: Alarm Message (from SP300-V3.4)
Cause: Alarm mirror requested via AMO GRA (from SP300-V3.3) or external
NMC/DMS command. Alarm mirror for all the central alarms of the SWU (**CENTRAL**) or server/
ADP.
Action: See NMC Administrator Handbook (A31003-G8014-A100-*-7635) or AMO
GRA.
Interpretation of auxiliary data: see A9008 and Central alarm class.

See also: Alarm concept.

A9013
NMCALARM
PER-MIR: SWU-PER GRP *from SP300-V3.4*

Type: Service-Specific (Format 2C)
Short text: Alarm Message
Cause: Alarm mirror requested via AMO GRA (from SP300-V3.3) or external
NMC/DMS command. Alarm Mirror alarm for all the peripheral alarms of the SWU (**SWU-PER**).
Action: See NMC Administrator Handbook (A31003-G8014-A100-*-7635) or AMO
GRA.
Interpretation of auxiliary data: see A9009 and SWU periphery alarm class.

See also: Alarm concept.

A9014
NMCALARM
PER-MIR: SWU-LOG GRP *from SP300-V3.4*

Type:	Service-Specific (Format 2C)
Short text:	Alarm Message
Cause:	Alarm mirror requested via AMO GRA (from SP300-V3.3) or external

NMC/DMS command. Alarm mirror for all the logical alarms of the SWU (**SWU-PER**).

Action: See NMC Administrator Handbook (A31003-G8014-A100-*-7635) or AMO GRA.

Interpretation of auxiliary data: see A9010 and SWU logical alarm classes.

See also: Alarm concept.

A9015
NMCALARM
PER-MIR: SM-PER GRP *from SP300-V3.4*

Type: Service-Specific (Format 2C)
Short text: Alarm Message
Cause: Alarm mirror requested via AMO GRA (from SP300-V3.3) or external
NMC/DMS command. Alarm mirror for all the peripheral alarms of the server/ADP (**SM-PER**).
Action: See NMC Administrator Handbook (A31003-G8014-A100-*-7635) or AMO
GRA.
Interpretation of auxiliary data: see A9011 and SM periphery alarm class.

See also: Alarm concept.