Service

HiPath 4000 Troubleshooting

Service Manual

A31003-H3130-S100-4-7620

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SIEMENS

Reference No.: A31003-H3130-S100-4-7620

F2000
OS
IMPLAUSIBLE EVT CODE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible event code
Cause:	Implausible event code.
Action:	Save error message data and log file. Contact your next level of support.

F2001
OS
DISALL EVT CODE

Type:	Diagnosis-specific (several formats apply)
Short text:	Wrong event code
Cause:	Event code valid but not allowed.
Action:	Save error message data and log file. contact your next level of support.

F2002
OS
IMPLAUSIBLE STATE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible state
Cause:	Implausible state.
Action:	Save error message data and log file. contact your next level of support.

F2003
OS
UNEXP MESSAGE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Data not expected in current state.
Action:	Save error message data and log file. contact your next level of support.

F2004
OS
IMPLAUSIBLE MESSAGE DATA

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible data in the message.
Action:	Save error message data and log file. contact your next level of support.

F2005
OS
IMPLAUSIBLE PROC RET

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible return value received from a procedure.
Action:	Save error message data and log file. contact your next level of support.

F2006
OS
IMPLAUSIBLE PROC PARAM

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible parameter values
Cause:	Implausible parameter values in procedure call.
Action:	Save error message data and log file. contact your next level of support.

F2007
OS
DBAR

Type: Diagnosis-specific (several formats apply)
Short text: Implausible data
Cause: Error in the database. Implausible data for database access. Reaction is a soft restart.
Action: Check that the PABX completes its restart. Save error message data and log file. contact your next level of support.

F2008

OS

STATIC DATA FAULT

Type: Diagnosis-specific (several formats apply)
Short text: Implausible data
Cause: Implausible data (static data) in memory.
Action: If this error occurs repeatedly, save the error message data and contact your next level of support.

F2009
OS
DYNAMIC DATA FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible data (dynamic data) in memory.
Action:	Save error message data and log file. contact your next level of support.

F2010
OS
OS CALL FAULT

Type: Diagnosis-specific (several formats apply)
Short text: Implausible data
Cause: Negative exception code in operating system call. There may be insufficient memory for executing the AMO during peak load periods, the executed AMO may contain an error or it may be damaged. This error message is also displayed when the operating system is damaged.
Action: Save error message data and log file. contact your next level of support.

F2012
AM
TIMEOUT FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Timer run down
Cause:	Timeout for expected response.
Action:	Save error message data and log file. contact your next level of support.

F2013
AM
MSG HEADER FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible message header.
Action:	Save error message data and log file. contact your next level of support.

F2014
AM
DMS CALL FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Negative acknowledgments by the data management system
Cause:	Negative acknowledgments by the data management system (e.g. I/O error).
Action:	Save error message data and log file. contact your next level of support.

F2016
AM
ADVISORY

Type: Diagnosis-specific (several formats apply)
Short text: Advisory message
Cause: Advisory message
Action: If this error occurs repeatedly, save the error message data and contact your next level of support.

F2018
OS
BOARD NOT READY

Type: Diagnosis-specific (Format 01)

Short text: Board not in operation

Cause: The operating system (OS) has detected that the MDL_READY field of a dual-port RAM (DPR) no longer contains the value READY, which means that a board (IP, DCL, CCH, MBU, IOCG) is currently not operative.

Action: Check the IP, DCL, CCH, MBU, and IOCG boards. Replace the defective board. contact your next level of support if all boards appear to be okay or if the error persists.

F2019
OS
DPR NOT VALID

Type: Diagnosis-specific (Format 01)

Short text: Dual Port Ram

Cause: The OS has detected that the DPR_VALID field of a dual-port RAM (DPR) no longer contains the value VALID because, for instance, a container chaining error has been found by board. No hexadecimal data is output with this message.

Action: Check the IP, DCL, CCH, MBU, and IOCG boards. Replace the defective board. contact your next level of support if all boards appear to be okay or if the error persists.

F2022
OS
BUSHANDLER TIMEOUT

Type: Diagnosis-specific (Format 01)

Short text: Bus handler (BH) reports timeout

Cause: Bus handler (BH) reports timeout error, i.e. transmission was not complete. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the SP (in its own processor) has reset the block byte of the corresponding queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2023
OS
BUSHANDLER NO PARTNER

Type: Diagnosis-specific (Format 01)

Short text: Board failure of remote processor

Cause: BH identifies that a message could not be transmitted because, for instance, the destination processor's board had failed. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the system program (in its own processor) has reset the block byte of the corresponding queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2024
OS
BUSHANDLER CONTEXT

Type: Diagnosis-specific (Format 01)

Short text: Implausible data for the BH

Cause: This means the container has been fed the wrong data for the BH by the operating system.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2025
OS
DESTINATION CATALOG

Type: Diagnosis-specific (Format 01)

Short text: Name not contained in index catalog

Cause: During processor communication, a container with an index/name that was not in the receiver's index catalog was received from a firmware processor or boot. The error is signaled at the receiving end.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2026
OS
DESTINATION MAILBOX

Type: Diagnosis-specific (Format 01)

Short text: Destination mailbox no longer exists

Cause: During processor communication, it was found at the receiving end that the destination mailbox named in the container no longer exists or is wrong. The error is signaled at the receiving end.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2027
OS
DESTINATION RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough OS resources

Cause: Resources short for receiving messages over processor borders. Whether the message was intended for an operating system mailbox or for a user's mailbox, is of no concern as regards this error.

1. Source processor is the destination: Despite a wait there was neither a free buffer nor a free segment available to hold the message. The hexadecimal output contains the task batch which is to empty the mailbox, and also the address of the task currently accessing the database area.
2. Source processor is a node: Despite a wait there was neither a short nor a long container available for forwarding the message.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Check hardware. Save error message data and contact your next level of support.

F2028
OS
OS RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough OS resources

Cause: The operating system did not have a free element in its internal buffer pool or a segment available, nor, despite a wait, a short or long container. Shortage of operating system resources when receiving messages over processor borders is, however, reported with error message F2027. No HEX data is output with this message.

Action: Check the IP and MBU firmware. Save error message data and contact your next level of support.

F2029
OS
MAILBOX TIMER

Type: Diagnosis-specific (Format 01)

Short text: Mailbox no longer exists

Cause: When a timer runs down, the destination mailbox is found to be no longer existing.

Action: In the HEX data, the message is output by the timer in a length of 20 bytes. Save error message data and contact your next level of support.

F2030
OS
TIME / DATE NOT VALID

Type: Diagnosis-specific (Format 01)

Short text: Check reference clock

Cause: Error when processing the reference clock. Error only occurs in the ADS (up to SP300-V3.2, from V3.3 see F8104).

Action: The exception code is output in the HEX data and may have the following meaning:
H20 = TIME_NOT_VALID (Clock defective)
H21 = MAC_NOT_READY (MAC board defective)
H22 = BAT_OFF (Check date/time or support battery in the MAC/IOPA)
When the ADS is first booted, exception codes H20 and H21 are always output on all accounts.

F2032
OS
JOTA

Type: Diagnosis-specific (Format 01)

Short text: Implausible data in job table

Cause: ROOT finds implausible data in the job table (JOTA). Depending on the state of the boot, the error is reported to SYSLOAD or to error analysis. It is assumed that the JOTA checksum is no longer correct.

Action: If byte 0 of the HEX data contains the value 01, the other bytes output the layer number.

If byte 0 of the HEX data contains a value >01, then byte 1 outputs the exception code (supplied by RMX in response to CREAT_JOB), the other bytes output the name of the subsystem from the job table (JOTA). Save error message data and contact your next level of support.

F2033
OS
PLAUS MAX LIMIT

Type:	Diagnosis-specific (Format 01)
Short text:	Error statistics overflow
Cause:	Too many plausibility errors within a certain time. The error statistics overflow.
Action:	Save error message data and contact your next level of support.

F2034
OS
SYSTEM EXCEPTN HANDLER

Type: Diagnosis-specific (Format 01)
Short text: Error when processing the OS Task
Cause: The system exception handler was activated by an error.
Action: Find the cause with further error reports. For example, stack messages with the same message ID may exist (F2016). Save error message data and contact your next level of support.

F2035
OS
INIT ERROR

Type: Diagnosis-specific (Format 01)

Short text: Error in OS initialization

Cause: This error is reported to SYSLOAD, not to error analysis. The reaction is a hard restart. The hard disk may be faulty or the system program is not available or it is faulty.

Action: Check that the PABX has restarted. contact your next level of support if the system fails to restart.

F2036
OS
BUSHANDLER QBLOCK S

Type: Diagnosis-specific (Format 01)

Short text: No free short container available

Cause: Bus handler (BH) reports that for a certain time the destination processor's dual-port RAM (DPR) did not have a short free container available to hold a message that was to be transmitted. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the system program (SP) in its own processor has reset the block byte of the associated queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support. Check MBU firmware. Note related error messages.

F2037
OS
BUSHANDLER QBLOCK L

Type: Diagnosis-specific (Format 01)

Short text: No free long container available

Cause: BH reports that for a certain time the destination processor's DPR did not have along free container available to hold a message that was to be transmitted. The BH enables all the containers of the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the SP in its own processor has reset the block byte of the associated queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support. Check MBU firmware. Note related error messages.

F2038
OS
BROADCAST ON, NO ACK

Type: Diagnosis-specific (Format 01)

Short text: Broadcast not acknowledged by at least one MBU

Cause: The BROADCAST_ON order (order to all) from the active base processor (BP) to the message buffers (MBU) was not acknowledged punctually by at least one MBU. The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. In the HEX data, defective MBUs (if any) are stated first, the PIDs of such defective MBUs second. Save error message data and contact your next level of support.

F2039
OS
BROADCAST OFF, NO ACK

Type: Diagnosis-specific (Format 01)

Short text: Broadcast not acknowledged by at least one MBU

Cause: The BROADCAST_OFF order from the active BP to the MBUs was not acknowledged punctually by at least one MBU. The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. In the HEX data, defective MBUs (if any) are stated first, the PIDs of such defective MBUs second. Save error message data and contact your next level of support.

F2040
OS
BROADCAST LONG

Type: Diagnosis-specific (Format 01)

Short text: Message not retrieved by MBU

Cause: When long message was to be acknowledged by the base processor (BP) acting on behalf of the group processors (GP), it was found that this message had not yet been collected by at least one message buffer (MBU). The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. The first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2041
OS
GP IN BROADCAST MODE

Type: Diagnosis-specific (Format 01)

Short text: Processor communication error

Cause: During processor communication it was found at the receiving end (active BP) that the destination processor specified in the container was a GP currently affected by the load broadcast rather than the GP designated in the load broadcast. The error is reported in the active BP.

Action: The first 64 bytes of the transmitted container are output in the HEX data. Save error message data and contact your next level of support.

F2042
OS
DESTINATION PROCESSOR

Type: Diagnosis-specific (Format 01)

Short text: Destination processor not available

Cause: During processor communication it was found at the receiving end (active BP) that the destination processor named in the container according to the directory table (DIR_TBL) was not available. The sender of the message was either a firmware processor or a data processor whose DIR_TBL was not consistent with the destination DIR_TBL.

Action: The first 64 bytes of the transmitted container are output in the HEX data. Save error message data and contact your next level of support.

F2045
OS
MAILBX TIMER RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough resources

Cause: After the timer had run down, the system was able to determine that the destination mailbox exists but that the message could not be transmitted due to lack of free memory.

Action: The timer message is output in the HEX data up to a length of 20 Bytes. Save error message data and contact your next level of support.

F2048
OS
PROCESSOR INTERRUPT

Type:	Diagnosis-specific (Format 01)
Short text:	Interrupt
Cause:	SYSLOAD has processed or output an interrupt.
Action:	Save error message data and contact your next level of support.

F2050
AM
IMPLAUSIBLE EVT CODE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible event code
Cause:	Implausible event code.
Action:	Save error message data and log file. contact your next level of support.

F2051
AM
DISALL EVT CODE

Type:	Diagnosis-specific (several formats apply)
Short text:	Wrong event code
Cause:	Event code valid but not allowed.
Action:	Save error message data and log file. contact your next level of support.

F2052
AM
IMPLAUSIBLE STATE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible state
Cause:	Implausible state.
Action:	Save error message data and log file. contact your next level of support.

F2053
AM
UNEXP MESSAGE

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Data not expected in current state.
Action:	Save error message data and log file. contact your next level of support.

F2054
AM
IMPLAUSIBLE MESSAGE DATA

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible data in the message.
Action:	Save error message data and log file. contact your next level of support.

F2055
AM
IMPLAUSIBLE PROC RET

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible return value received from a procedure.
Action:	Save error message data and log file. contact your next level of support.

F2056
AM
IMPLAUSIBLE PROC PARAM

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible parameter values
Cause:	Implausible parameter values in procedure call.
Action:	Save error message data and log file. contact your next level of support.

F2057
AM
DBAR

Type: Diagnosis-specific (several formats apply)
Short text: Implausible data
Cause: Implausible data for database access. Reaction is a soft restart.
Action: Check that the PABX completes its restart. Save error message data and log file. contact your next level of support.

F2058
AM
STATIC DATA FAULT

Type: Diagnosis-specific (several formats apply)
Short text: Implausible data
Cause: Implausible data (static data) in memory.
Action: If this error occurs repeatedly, save the error message data and contact your next level of support.

F2059
AM
DYNAMIC DATA FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible data (dynamic data) in memory.
Action:	Save error message data and log file. contact your next level of support.

F2060
AM
OS CALL FAULT

Type: Diagnosis-specific (several formats apply)

Short text: Implausible data

Cause: Negative exception code in operating system call. There may be insufficient memory for executing the AMO during peak load periods, the executed AMO may contain an error or it may be damaged. This error message is also displayed when the operating system is damaged.

Action: Save error message data and log file. contact your next level of support.

F2062
AM
TIMEOUT FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Timer run down
Cause:	Timeout for expected response.
Action:	Save error message data and log file. contact your next level of support.

F2063
AM
MSG HEADER FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Implausible data
Cause:	Implausible message header.
Action:	Save error message data and log file. contact your next level of support.

F2064
AM
DMS CALL FAULT

Type:	Diagnosis-specific (several formats apply)
Short text:	Negative acknowledgments by the data management system
Cause:	Negative acknowledgments by the data management system (e.g. I/O error).
Action:	Save error message data and log file. contact your next level of support.

F2066
AM
ADVISORY

Type: Diagnosis-specific (several formats apply)
Short text: Advisory message
Cause: Advisory message from administration and maintenance.

In the case of the error message text
PFS CHECK TASK: FEATURE COUNT ERROR it was established that the number of station / trunks set up does not correspond to the station / trunks ascertained by this task (possibly due to a modified database). The task automatically corrects this discrepancy in its list.
The following features can be named under FEATURE: xx:

3D	Station
3E	Exchange
3F	Tie
41	Voice compression
46	Attendant console
AM	specifies the number of stations / trunks set up
COUNTED	the number of stations / trunks ascertained

In this case no other action is necessary.
Action: If this error occurs repeatedly, save the error message data and contact your next level of support.

F2068
AM
BOARD NOT READY

Type: Diagnosis-specific (Format 01)

Short text: Board not in operation

Cause: The operating system (OS) has detected that the MDL_READY field of a dual-port RAM (DPR) no longer contains the value READY, which means that a board (IP, DCL, CCH, MBU, IOCG) is currently not operative.

Action: Check the IP, DCL, CCH, MBU, and IOCG boards. Replace the defective board. contact your next level of support if all boards appear to be okay or if the error persists.

F2069
AM
DPR NOT VALID

Type: Diagnosis-specific (Format 01)

Short text: Dual Port Ram

Cause: The AM has detected that the DPR_VALID field of a dual-port RAM (DPR) no longer contains the value VALID because, for instance, a container chaining error has been found by board. No hexadecimal data is output with this message.

Action: Check the IP, DCL, CCH, MBU, and IOCG boards. Replace the defective board. contact your next level of support if all boards appear to be okay or if the error persists.

F2072
AM
BUSHANDLER TIMEOUT

Type: Diagnosis-specific (Format 01)

Short text: Bus handler (BH) reports timeout

Cause: Bus handler (BH) reports timeout error, i.e. transmission was not complete. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the SP (in its own processor) has reset the block byte of the corresponding queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2073
AM
BUSHANDLER NO PARTNER

Type: Diagnosis-specific (Format 01)

Short text: Board failure of remote processor

Cause: BH identifies that a message could not be transmitted because, for instance, the destination processor's board had failed. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the system program (in its own processor) has reset the block byte of the corresponding queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2074
AM
BUSHANDLER CONTEXT

Type: Diagnosis-specific (Format 01)

Short text: Implausible data for the BH

Cause: This means the container has been fed the wrong data for the BH by the operating system.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2075
AM
DESTINATION CATALOG

Type: Diagnosis-specific (Format 01)

Short text: Name not contained in index catalog

Cause: During processor communication, a container with an index/name that was not in the receiver's index catalog was received from a firmware processor or boot. The error is signaled at the receiving end.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2076
AM
DESTINATION MAILBOX

Type: Diagnosis-specific (Format 01)

Short text: Destination mailbox no longer exists

Cause: During processor communication, it was found at the receiving end that the destination mailbox named in the container no longer exists or is wrong. The error is signaled at the receiving end.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2077
AM
DESTINATION RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough resources

Cause: Resources short for receiving messages over processor borders. Whether the message was intended for an operating system mailbox or for a user's mailbox, is of no concern as regards this error.

a. Source processor is the destination: Despite a wait there was neither a free buffer nor a free segment available to hold the message. The hexadecimal output contains the task batch which is to empty the mailbox, and also the address of the task currently accessing the database area.

b. Source processor is a node: Despite a wait there was neither a short nor a long container available for forwarding the message.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2078
AM
OS RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough resources

Cause: The operating system did not have a free element in its internal buffer pool or a segment available, nor, despite a wait, a short or long container. Shortage of operating system resources when receiving messages over processor borders is, however, reported with error message **F2027**. No HEX data is output with this message.

Action: Check the IP and MBU firmware. Save error message data and contact your next level of support.

F2079
AM
MAILBOX TIMER

Type: Diagnosis-specific (Format 01)
Short text: Mailbox no longer exists
Cause: When a timer runs down, the destination mailbox is found to be no longer existing.
Action: In the HEX data, the message is output by the timer in a length of 20 bytes. Save error message data and contact your next level of support.

F2080
AM
TIME / DATE NOT VALID

Type: Diagnosis-specific (Format 01)
Short text: Check reference clock
Cause: Error when processing the reference clock. Error only occurs in the ADS.
Action: The exception code is output in the HEX data and may have the following meaning:
H20 = TIME_NOT_VALID (Clock defective)
H21 = MAC_NOT_READY (MAC board defective)
H22 = BAT_OFF (Check date/time or support battery in the MAC/IOPA)
When the ADS is first booted, exception codes H20 and H21 are always output on all accounts.

F2082
AM
JOTA

Type: Diagnosis-specific (Format 01)

Short text: Implausible data in job table

Cause: ROOT finds implausible data in the job table (JOTA). Depending on the state of the boot, the error is reported to SYSLOAD or to error analysis. It is assumed that the JOTA checksum is no longer correct.

Action: If byte 0 of the HEX data contains the value 01, the other bytes output the layer number.

If byte 0 of the HEX data contains a value >01, then byte 1 outputs the exception code (supplied by RMX in response to CREAT_JOB), the other bytes output the name of the subsystem from the job table (JOTA). Save error message data and contact your next level of support.

F2083
AM
PLAUS MAX LIMIT

Type:	Diagnosis-specific (Format 01)
Short text:	Error statistics overflow
Cause:	Too many plausibility errors within a certain time. The error statistics overflow.
Action:	Save error message data and contact your next level of support.

F2084
AM
SYSTEM EXCEPTN HANDLER

Type: Diagnosis-specific (Format 01)
Short text: Error when processing the root job
Cause: The system exception handler was activated by an error.
Action: Find the cause with further error reports. Save error message data and contact your next level of support.

F2085
AM
INIT ERROR

Type: Diagnosis-specific (Format 01)

Short text: Error in OS initialization

Cause: This error is reported to SYSLOAD, not to error analysis. The reaction is a hard restart. The hard disk may be faulty or the system program is not available or it is faulty.

Action: Check that the PABX has restarted. contact your next level of support if the system fails to restart.

F2086
AM
BUSHANDLER QBLOCK S

Type: Diagnosis-specific (Format 01)

Short text: No free short container available

Cause: Bus handler (BH) reports that for a certain time the destination processor's dual-port RAM (DPR) did not have a short free container available to hold a message that was to be transmitted. The BH enables all the containers in the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the system program (SP) in its own processor has reset the block byte of the associated queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support. Check MBU firmware. Note related error messages.

F2087
AM
BUSHANDLER QBLOCK L

Type: Diagnosis-specific (Format 01)

Short text: No free long container available

Cause: BH reports that for a certain time the destination processor's DPR did not have along free container available to hold a message that was to be transmitted. The BH enables all the containers of the associated command queue and disables this queue with its block byte. Containers are only chained to the command queue again after the SP in its own processor has reset the block byte of the associated queue with ON_W_RESET_QBLOCK.

Action: Not more than the first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support. Check MBU firmware. Note related error messages.

F2088
AM
BROADCAST ON, NO ACK

Type: Diagnosis-specific (Format 01)

Short text: Broadcast not acknowledged by at least one MBU

Cause: The BROADCAST_ON order (order to all) from the active base processor (BP) to the message buffers (MBU) was not acknowledged punctually by at least one MBU. The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. In the HEX data, defective MBUs (if any) are stated first, the PIDs of such defective MBUs second. Save error message data and contact your next level of support.

F2089
AM
BROADCAST OFF, NO ACK

Type: Diagnosis-specific (Format 01)

Short text: Broadcast not acknowledged by at least one MBU

Cause: The BROADCAST_OFF order from the active BP to the MBUs was not acknowledged punctually by at least one MBU. The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. In the HEX data, defective MBUs (if any) are stated first, the PIDs of such defective MBUs second. Save error message data and contact your next level of support.

F2090
AM
BROADCAST LONG

Type: Diagnosis-specific (Format 01)

Short text: Message not retrieved by MBU

Cause: When long message was to be acknowledged by the base processor (BP) acting on behalf of the group processors (GP), it was found that this message had not yet been collected by at least one message buffer (MBU). The error is reported in the active BP.

Action: Check the MBU boards and replace defective boards. The first 64 bytes of the container that has not been transmitted are output in the HEX data. Save error message data and contact your next level of support.

F2091
AM
GP IN BROADCAST MODE

Type: Diagnosis-specific (Format 01)

Short text: Processor communication error

Cause: During processor communication it was found at the receiving end (active BP) that the destination processor specified in the container was a GP currently affected by the load broadcast rather than the GP designated in the load broadcast. The error is reported in the active BP.

Action: The first 64 bytes of the transmitted container are output in the HEX data. Save error message data and contact your next level of support.

F2092
AM
DESTINATION PROCESSOR

Type: Diagnosis-specific (Format 01)

Short text: Destination processor not available

Cause: During processor communication it was found at the receiving end (active BP) that the destination processor named in the container according to the directory table (DIR_TBL) was not available. The sender of the message was either a firmware processor or a data processor whose DIR_TBL was not consistent with the destination DIR_TBL.

Action: The first 64 bytes of the transmitted container are output in the HEX data. Save error message data and contact your next level of support.

F2095
AM
MAILBX TIMER RESOURCES

Type: Diagnosis-specific (Format 01)

Short text: Not enough resources

Cause: After the timer had run down, the system was able to determine that the destination mailbox exists but that the message could not be transmitted due to lack of free memory.

Action: The timer message is output in the HEX data up to a length of 20 Bytes. Save error message data and contact your next level of support.

F2098
AM
PROCESSOR INTERRUPT

Type:	Diagnosis-specific (Format 01)
Short text:	Interrupt
Cause:	SYSLOAD has processed or output an interrupt.
Action:	Save error message data and contact your next level of support.

F2100
IX
MESSAGE

Type: Service-specific (Format 17)

Short text: XENIX error

Cause: The following tables contain possible error messages which are divided into:

Panic messages

Messages with formats such as >panic: Out of swap< denote serious errors which lead to a restart of the XENIX OS.

Other messages

During XENIX operation, error messages which denote input errors or errors in the application programs may also be output.

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

F2101
IX
ERROR

Type: Service-specific (Format 17)
Short text: Total Failure of XENIX
Cause: Total failure of XENIX OS in the server. XENIX carries out a "REBOOT", i.e. the OS is reloaded from the hard disk.
Action: Save error message data and contact your next level of support.

F2102
IX
UNIX MESSAGE

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX advisory message
Action:	Save error message data and contact your next level of support.

F2103
IX
UNIX ERROR

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX error message
Action:	Save error message data and contact your next level of support.

F2104
IX
UNIX ERROR ESCAL

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX error message (with NMC minor alarm)
Action:	Save error message data and contact your next level of support.

F2105
IX
UNIX FATAL ERROR

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX error message (with NMC major alarm)
Action:	Save error message data and contact your next level of support.

F2106
IX
UNIX APPL MESSAGE

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX application advisory message
Action:	Save error message data and contact your next level of support.

F2107
IX
UNIX APPL ERROR

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX application error message
Action:	Save error message data and contact your next level of support.

F2108
IX
UNIX APPL ERROR ESCAL

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX application error message (with NMC minor alarm)
Action:	Save error message data and contact your next level of support.

F2109
IX
UNIX APPL FATAL ERROR

Type:	Service-specific (Format 17)
Short text:	Error in UNIX application
Cause:	UNIX application error message (with NMC major alarm)
Action:	Save error message data and contact your next level of support.

F2110
IX
SW RESET ALARM

Type: Service-specific (Format 3A)
Short text: NMC / DMS alarm level reset
Cause: The NMC alarm level for the UNIX SW will be reset in this UNIX server. This message is sent by the UNIX loader or by the uninterruptible power supply.
Action: Save error message data and contact your next level of support.

F2111
IX
HW MESSAGE

Type:	Service-specific (Format 3A)
Short text:	Hardware error
Cause:	HW warning issued by the UNIX server.
Action:	Save error message data and contact your next level of support.

F2112
IX
HW ERROR

Type:	Service-specific (Format 3A)
Short text:	Hardware error
Cause:	The UNIX server detected a minor HW error.
Action:	Save error message data and contact your next level of support.

F2113
IX
HW ERROR ESCAL

Type: Service-specific (Format 3A)
Short text: Hardware error
Cause: A minor error in the UNIX server has escalated to a major HW error. This measure is taken by the uninterruptible power supply.
Action: Save error message data and contact your next level of support.

F2114
IX
HW FATAL ERROR

Type:	Service-specific (Format 3A)
Short text:	Hardware error
Cause:	The UNIX server detected a major HW error.
Action:	Save error message data and contact your next level of support.

F2115
IX
HW RESET ALARM

Type: Service-specific (Format 3A)
Short text: NMC / DMS alarm level reset
Cause: The NMC alarm level for the UNIX HW will be reset in this UNIX server. This message is sent by the UNIX loader or by the uninterruptable power supply.
Action: Save error message data and contact your next level of support.

Panic Messages		Explanation
panic:	CMX: aspb == NULL after sleep (cx_send)	Error in the CMX device driver.
panic:	CMX: cc_msg == NULL after sleep (cx_wait)	Error in the CMX device driver.
panic:	CMX: msgq full (cx_disincc)	Error in the CMX device driver.
panic:	CMX: Too many wait on sluice xxxx	Error in the CMX device driver.
panic:	CMX: unknown sigc (cx_event)	Error in the CMX device driver.
panic:	CMX: Unknow sigc (cxioctl, CX_EVENT)	Error in the CMX device driver.
panic:	DNA trap in kernel mode	Error in the XENIX OS.
panic:	fpsave: no fp_task	Error in connection with the Floating Point Emulator.
panic:	fp_COPROC: coprocessor error - with no 287	Error in connection with the Floating Point Emulator.
panic:	fp_COPROC: coprocessor switched away from fp_task	Error in connection with the Floating Point Emulator.
panic:	fp_DNA: called when we have an emulator	Error in connection with the Floating Point Emulator.
panic:	fp_OVERRUN: coprocessor overrun - with no 287	Error in connection with the Floating Point Emulator.
panic:	general protection trap	Protection error.
panic:	hdintr: IOPS errorcode received	The IOPS-FW has reported an error while attempting to access the hard disk. The error code is output immediately before this message. Since no further access to the hard disk is possible, the XENIX OS terminates.
panic:	iinit: cannot copy in superblock	Error while accessing the root file system.
panic:	Invalid TSS	Task-state-segment is invalid.
panic:	IO err in swap	I/O error during swapping.
panic:	no fs	Error in the XENIX OS (no file system)
panic:	no imt	Error in the XENIX OS (file mgmt.)
panic:	no procs	Error in the XENIX OS (task mgmt.)
panic:	Out of swap	Swap area is too small; increase the area size or reduce the number of tasks to run simultaneously.
panic:	physio: bad state	Internal error during input/output.
panic:	RMX requesting shutdown	The RMX has started an emergency rundown of the XENIX OS. Reason: soft or hard restart of the ADS. XENIX writes the contents of the I/O buffers to the HD and terminates (without errors!).
panic:	sdfrcm: sdp->sd_inode not found	Error while accessing common data.
panic:	Segment Not Present	Segment not present.
panic:	Stack fault	Stack overflow.
panic:	Timeout table overflow	Internal table overflow. Can be caused by bad applications.

panic:	Trap in system	Processor interrupt.
panic:	unknown interrupt	Error in the XENIX OS (interrupt handling).
panic:	<iopsinit1>	Error in the XENIX OS (I/O device driver).
panic:	<iopsinit2>	
panic:	<fdinit1>	
panic:	<fdinit2>	
panic:	<fdinit3>	
panic:	<fdinit4>	
panic:	<hdinit1>	
panic:	<hdinit2>	
panic:	<hdinit3>	
panic:	<hdinit4>	
panic:	<hdinit5>	

Table Panic Messages

Other messages		Explanation
	Console login:	The console has been activated (with "enable console"), even though no V.24 interface is present on the processor board. Since all messages which would normally be displayed at the attendant console are then output at the AMT by the dependability system, the Login request also appears here. Remedy: enter "disable console".
ct_input:	ct_input: long message is too long	Cartridge could not be opened or closed. Error in communication between RMX and XENIX.
ct_input:	ct_input: no short message pointer	
ct_input:	ct_input: short message is too long	
ct_input:	ct_input: uninspected message ignored	
ct_input:	ct_input: wrong destination id	
ct_input:	ct_input: wrong source id	
ctclose:	cmd close ct failed with RMX error xxxx	The cartridge could not be closed. The error code shown was received by the device driver from RMX.
ctclose:	cmd free ct failed with RMX error xxxx	The cartridge could not be closed. The error code shown was received by the device driver from RMX.
ctclose:	hsndmp close ct failed	The cartridge could not be closed. Error in inter-task communication.
ctclose:	hsndmp free ct failed	The cartridge could not be closed. Error in inter-task communication.
ctintr:	I/O error on cardridge drive	I/O error while accessing the cartridge. The next line contains the error code and, if relevant, the sector address.
ctopen:	a second open is not allowed	The device accessed cannot be opened more than once.
ctclose:	cmd reserve ct failed with RMX error xxxx	The cartridge could not be closed. The error code shown was received by the device driver from RMX.
ctopen:	hsndmp reserve ct failed	The cartridge could not be opened. Error in communication between RMX and XENIX.
ctopen:	support task mailbox not found	Cartridge could not be opened. Error in communication between RMX and XENIX.

ctopen:	unable to catalog ct_input	Cartridge could not be opened. Error in communication between RMX and XENIX.
ctstrategy:	cardridge is for exclusive use only	The cartridge can only be opened once.
ctstrategy:	cmd open ct failed with RMX error xxxx	The cartridge could not be opened. The error code shown was received by the device driver from RMX.
ctstrategy:	hsmdmsg open ct failed	The floppy or cartridge could not be opened. Error in communication between RMX and XENIX.
fdintr:	I/O error on floppy drive	I/O error while accessing the floppy disk drive. The error code and, if relevant, the sector address are displayed in the next line.
fdintr:	timeout on cartridge drive	Connection timeout while accessing the cartridge drive. Can be caused by a defective device or cartridge.
fdintr:	timeout on floppy drive	Connection timeout while accessing the floppy disk drive. Can be caused by a defective device or floppy disk.
fdstrategy/ctstrategy:	block number out of range	Start block number does not exist on the cartridge or floppy. Input error.
fdstrategy/ctstrategy:	device open failed	The floppy or cartridge could not be opened. Error in communication between RMX and XENIX.
fdstrategy/ctstrategy:	minor device number out of range	Wrong I-node for floppy or cartridge. Remedy: Correct the "minor device number" of the device accessed.
hdintr:	harddisk timeout on unit xx partition xx	Connection timeout while accessing the hard disk. Can be caused by a defective device.
hdintr:	I/O error on hard disk xx partition xx	I/O error while accessing the hard disk. The error code and, if relevant, the sector address, is displayed in the next line.
hdopen:	minor device numer out of range	Wrong I-node for the hard disk. Remedy: Correct the "minor device number" of the accessed device.
hdstrategy:	b_blkno xxxx is too high	The start block number does not exist on the hard disk area. Input error.
NMI-routine:	a multibus timeout occurred	An NMI has occurred. Instead of the message "a multibus timeout occurred", a different cause may be output. If the NMI was not caused by XENIX (i.e. any causes apart from the multibus timeout), then the NMI is reported to the dependability system of the RMX, and output at the AMT.
tdopen:	catalog device driver failed	The terminal could not be opened. Error in communication between RMX and XENIX.
tdopen:	lookup object name filed	The terminal could not be opened. Error in communication between RMX and XENIX.

Table Other error messages

F2200
PROC
INT REGISTER

Type:	Diagnosis-specific (Format 2B)
Short text:	Interrupt message
Cause:	Interrupt message with output of registers and stack links.
Action:	See SW Systems Service. Save error message data and contact your next level of support.

F2201
PROC
INT STACK

Type: Diagnosis-specific (Format 14)
Short text: Interrupt message
Cause: Output of stack at time of interrupt. This message is output before the actual message (F2200).
Action: See SW Systems Service. Save error message data and contact your next level of support.

F2202
PROC INT
ESCALATION

Type: Diagnosis-specific (Format 2C)

Short text: Escalation error following multiple INT13 in Call Processing

Cause: This message only applies to US Rel.6.4. If a predefined number of protection errors is exceeded by Call Processing, Sysload requests a soft restart instead of the usual TOP stack clean-up. The usual register values are output, as is a stack list (see also error messages F2205 - F2218).

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

F2203
PROC INT
TASK ADDRESS

Type: Diagnosis-specific (Format 14)
Short text: Output of Running Task Address
Cause: Interrupt caused by task. The user address and stack pointer are indicated in the main part of the message. The auxiliary data contains the start address of the running task at the time of the interrupt.
Action: No action necessary.
Interpretation of auxiliary data: These always consist of a double word. The first word contains the selector and the second word the offset of the running task start address.

F2204
PROC INT
INFO TEMPORARY SUSY

Type: Diagnosis-specific (Format 17)
Short text: Error in temporary subsystem
Cause: Interrupt caused by temporary subsystem. The auxiliary data indicates the selector and limit of the data and code segments of the subsystem concerned.
Action: Save error message data and contact your next level of support.
Interpretation of auxiliary data:
The first line under the format output contains the name of the temporary subsystem. This is followed by max. two additional lines consisting of 4-byte blocks. The first word contains the selector of the code or data segment concerned, and the second word contains the appropriate limit. The subsystem mapping function allows you to search for the module which wrote the segment at the time of the error, since the selectors are uniquely assigned to the module names.

F2205
PROC INT
DIVIDE ERROR

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Divide Error (INT 0)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2206
PROC INT
DEBUG ERROR

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Debugger call (INT 1)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2207
PROC INT
NMI

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: NMI (INT 2)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2208
PROC INT
BREAKPOINT

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Breakpoint (INT 3)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2209
PROC INT
OVERFLOW

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: INTO-Detected Overflow (INT 4)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2210
PROC INT
BOUND ERROR

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Bound Range Exceeded (INT 5)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2211
PROC INT
INVALID OPCODE

Type: Diagnosis-specific (Format 2C)
Short text: Processor interrupt: Invalid Opcode (INT 6)
Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.
Action: Save error message data and contact your next level of support.

F2212
PROC INT
COPROC NOT AVAILABLE

Type: Diagnosis-specific (Format 2C

Short text: Processor interrupt: Coprocessor Not Available (INT 7)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2213
PROC INT
DOUBLE FAULT

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Double Fault (INT 8)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2214
PROC INT
COPROC SEG OVERRUN

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Coprocessor Segment Overrun (INT 9)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2215
PROC INT
INVALID TSS

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Invalid Task State Segment (INT 10)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2216
PROC INT
SEGMENT NOT PRESENT

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: Segment Not Present (INT 11)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2217
PROC INT
STACK EXCEPTION

Type: Diagnosis-specific (Format 2C)
Short text: Processor interrupt: Stack Exception (INT 12)
Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.
Action: Save error message data and contact your next level of support.

F2218
PROC INT
GENERAL PROTECTION

Type: Diagnosis-specific (Format 2C)

Short text: Processor interrupt: General Protection (INT 13)

Cause: Interrupt message with output of registers and stack links. Except for the subevent, this message is identical with F2200. It is assigned the interrupt name.

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

F2219
PROC INT
MULTIBUS TIMEOUT

Type:	Service-relevant (Format 27)
Short text:	Multibus timeout, bus cycle canceled due to time overflow.
Cause:	Sporadic defective components at the multibus or SW addressing error.
System reaction:	Soft restart
Action:	Save error message data and contact your next level of support.

F2224
OS
MAINTENANCE

Type: Service-relevant (several formats relevant)

Short text: Maintenance note, triggered by the alarm CENTRAL:029 MAINTENANCE NOTE.

Cause: This message contains a transparent text in the rule that is either self-explanatory or refers to another chapter in the service manual.

Action: In general, the above-mentioned alarm must be deleted with an AMO after fault removal:
in SWU: DEL-GRA:BP,29;
in ADP: DEL-GRA:A1,29;
in server V1: DEL-GRA:V1,29;
If no solution is available, save the error messages associated with this alarm. Contact your next level of support.

Message texts (e.g.):

HW TIMER DEFECTIVE

A HW timer defect was detected at the processor board that is required for time measurement. Subsequent values supplied by processor load measurement are invalid. Processor load management is thus deactivated. The invalid values are marked with a * in the process load output (see also F4464).
The processor board should be replaced if operating in a monoprocessing architecture. If the error continues to occur after board replacement, save error message data and contact your next level of support.
When using the processor board as ADP, processor board replacement is only advisable after the error has occurred several times. If the error continues to occur after board replacement, save error message data and notify the product specialist.

HW TIMER BACK IN SERVICE

The HW timer is working again. Processor load management is reactivated.

F2244
AM
MAINTENANCE

Type: Service-specific

Short text: Service advisory message, initiated by the alarm CENTRAL:029 MAINTENANCE NOTE.

Cause: This message usually consists of plain text, which is either self-explanatory or refers to a specific section of the Service Manual.

Action: The MAINTENANCE NOTE alarm must always be reset (deleted) via AMO.
SWU: **DEL-GRA:BP,29;**
ADP: **DEL-GRA:AI,29;**
VI server: **DEL-GRA:VI,29;**
If this does not work, save the error messages associated with this alarm and contact your next level of support.

Interpretation of auxiliary data:

Message Text: ERROR: SWU-AMOS HAVE BEEN BLOCKED

Cause: Routine database verification during configuration of additional station lines / exchange lines / tie-lines etc. shows that purchased feature quantities are already exceeded. This error is due to a manipulation of the database.

Action: Use DIS-CODEW to determine which values have been exceeded. Transfer these values to your system specialist for evaluation.
The following AMOs are not blocked:
BSSU, DSSU, FUNSU, PETRA, PSTAT, REST, SDSU, USSU, ZAUSL.

F2250
PROC INT
COMMON MEMORY ALARM

Type:	Service-relevant (Format 27)
Short text:	Common memory alarm.
Cause:	Sporadic defective memory components or SW addressing error.
System reaction:	Reload.
Action:	If this error occurs repeatedly, replace the Pentium processor board.

F2251
PROC INT
NMI PCI ERROR

Type: Service-relevant (Format 47)

Short text: Non Maskable Interrupt at the peripheral computer interface bus (PCI BUS)

Cause: The Pentium CPU and the connected units, such as memory or hard disk, LAN controller, etc. are connected via the peripheral computer interface bus (PCI BUS).
The PCI NMI error (non maskable interrupt) occurs in the event of component or bus communication faults.
The error with format 47 only occurs in the case of Pentium boards.

System reaction: Soft restart

Action: If this error occurs repeatedly, replace the Pentium processor board.

Interpretation of auxiliary data: see new error message F3176.

F2252
PROC INT
LOCAL MEMORY ERROR

Type: Service-relevant (Format 47)
Short text: Local memory error.
Cause: Sporadic defective memory components or SW addressing error.
System reaction: Reload.
Action: If this error occurs repeatedly, replace the Pentium processor board.
Interpretation of auxiliary data: see new error message F3176.

F2450
SD Q OFL
********** (no subevent exists)**

Type: Diagnosis-specific (no format)

Short text: Loss of error messages.

Cause: The SIT of the ADP is unable to accept further error messages from SYSDEP (SIT mailbox overflow). SYSDEP will queue the error messages until the SIT is able to receive messages again. If this buffer queue overflows, this is indicated by SYSDEP with this error message. This message also means that SYSDEP has begun overwriting error messages in the queue. Priority error messages such as restart messages etc. are not overwritten.

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

F2750
CP-MSG
MC TRACE

Type: Service-specific (Format 02)

Short text: Call number traced

Cause: This message outputs the tracing station (in message field f1) and the traced station or number (in message field f2).

Action: Save error message data. Interpret contents of fields f1 and f2.

F2751
CP-MSG
CO TRACE

Type: (Format 2E)
Short text: Trace job
Cause: For INCOMING connections:
A trace job printout is started by an internal user. The source exchange is prohibited from carrying out a forward release. The circuit is either released by A&M (deactivation/re-activation) or by the destination exchange. The port number of the circuit is specified in the message.
For OUTGOING connections:
A trace job printout is started by an external user. The line is held until it is either released by A&M (deactivation/ re-activation or by the destination exchange. The port number of the circuit is specified in the message.
Action: Save error message data. Determine the reason for the trace job. Only release the line for call processing if not released by the destination exchange.
Interpretation of auxiliary data:
INCOMING/OUTGOING = Direction of seizure of line (or trace job internal (INCOMING) or external (OUTGOING))
STNO INTERN = Internal number
STNO EXTERN = External number

F2752
CP-MSG
RELEASE DESPITE TRACE REQUEST

Type: Service-specific (Format 2E)

Short text: Release from trace hold status

Cause: A line which is being held during tracing can be released by means of an AMO or by the destination exchange. If the destination exchange releases the line within the tracing time (approx. 1 minute), this message is output.

Action: Save error message data. Determine the reason for the trace job.

Interpretation of auxiliary data: see F2751.

F2753
CP-MSG
TRANSIT-/SATELLITE-COUNTER

Type: Service-specific (Format 2E)

Short text: Connection setup interrupted

Cause: In order to avoid network loops or limit the number of paths in connections which are routed via satellite PABXs, the ISDN service maintains transit counters, which are incremented with each transit line seizure or satellite PABX path. If the counters reach a specified threshold, the connection setup is terminated.

Action: Check the network generating data for possible loops. If no loops exist, check that the counter threshold values are not set too low, i.e. that they actually allow connections to be set up (AMO TDCSU / COT). contact your next level of support.

Interpretation of auxiliary data: The advisory message contains the following:
Address of the originating line circuit
Transit counter level
Satellite counter level
Permitted satellite connection
Length of A-number/calling line number (source)
A-number
Length of B-number/called line number (source)
B-number

F2754
CP-MSG
PIN TRACE

Type: Service-specific (Format 34)

Short text: Unauthorized PIN use detected

Cause: This message allows unauthorized PIN users to be traced. This message is output if an invalid manual PIN is entered repeatedly at the same station. The maximum number of wrong PIN entry attempts has been exceeded (see AMO PERSI).

Action: Save error message data and contact your next level of support. Notify customer of unauthorized PIN usage.

Interpretation of auxiliary data:

STNO INTERN	Internal station number of the telephone at which the PIN entry was attempted (may also be the number of the home station, if a PIN has already been activated).
PIN	Invalid PIN number last entered.

F2755
CP-MSG
MSG WAIT CLR BY AMO

Type: Service-specific (Format 31)
Short text: ”Message Waiting” data deleted
Cause: The administrator deleted the message waiting data via AMO SUBFT (message waiting is a R6.3 restart feature).
A message is sent to Dependability via the call trace mechanism. This results in this message being output along with the measures taken by the administrator. Only one F2755 message is output per administrator query, even if more than one device was specified in a range or chained call of AMO SUBFT.
Please note that this message (F2755) is generated immediately after the message waiting data are deleted, and not after the message waiting LED(s) are switched off.
The LED(s) cannot be switched off immediately because this is a background task.
Action: Check that the LEDs are actually switched off.

F2756
CPMSG
TRACE

Type: Diagnosis-relevant (Format 31)

Short text: MCID or malicious call tracing of a PIN hacker.

Cause: Malicious call tracing is a feature that can be activated with classes of service. It is used to log a malicious caller. Logging can be initiated automatically via AMO, for example, when a line is released in ringing state or by some activity of the called party during a call or after release.

MCID (Malicious Call Identification) is a feature enhancement introduced after malicious call tracing. MCID introduced a number of network-wide features (delayed activation) and extended the logged output (output with forwarding information).

Action: Save log data. The control parameters can be set for stations with the AMO COSSU and for trunks with the AMO COT.

Interpretation of auxiliary data:

DB_RS_E_CP_FANGEN = 0
DB_RS_E_CP_FANGEN_AMT = 1
DB_RS_E_CP_AUSL_BEI_FANGEN = 2
DB_RS_E_CP_FANGEN_PIN = 3
DB_RS_E_CP_WP_MAX_ATTEMPTS is issued when the maximum number of API sessions allowed has been reached (configured with ZAND:TYPE=CIT,APIMAX=…) and an attempt is made to start another session.