

# Service

## HiPath 4000 Troubleshooting

Service Manual

A31003-H3130-S100-4-7620

[www.siemens.com/enterprise](http://www.siemens.com/enterprise)

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Hofmannstr. 51, D-81359 München

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## **F6000**

**A9000 -- F1000 -- F2000 -- F3000 -- F4000 -- F5000 -- F6000 -- F7000 -- F8000**

**F6000**

**F6001**

**F6002**

**F6003**

**F6004**

**F6005**

**F6006**

**F6007**

**F6008**

**F6009**

**F6010**

**F6012**

**F6013**

**F6014**

**F6016**

**F6033**

**F6050**

**F6051**

**F6052**

**F6053**

**F6054**

**F6055**

**F6056**

**F6057**

**F6058**

**F6059**

**F6060**

**F6062**

**F6063**

**F6064**

**F6066**

**F6083**

**F6103**

**F6104**

**F6105**

**F6106**

**F6107**

**F6108**

**F6109**

**F6110**

**F6113**

**F6114**

**F6116**  
**F6133**  
**F6150**  
**F6152**  
**F6153**  
**F6155**  
**F6156**  
**F6159**  
**F6160**  
**F6164**  
**F6166**  
**F6200**  
**F6202**  
**F6203**  
**F6204**  
**F6205**  
**F6206**  
**F6207**  
**F6208**  
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**F6210**  
**F6212**  
**F6214**  
**F6216**  
**F6233**  
**F6250**  
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**F6484**  
**F6504**  
**F6506**  
**F6507**  
**F6524**  
**F6616**  
**F6654**  
**F6700**  
**F6701**

## **F6000**

### **DMS**

#### **IMPLAUSIBLE EVT CODE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible event code

*Cause:* Implausible event code.

*Action:* Save error message data and contact your [next level of support](#).

**F6001****DMS****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 contact your [next level of support](#).

**F6002**

**DMS**

**IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).



## **F6003**

### **DMS**

#### **UNEXP MESSAGE**

***Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Unexpected message

***Cause:***

Message not expected in current state.

***Action:***

Save error message data and contact your [next level of support](#).

## **F6004**

### **DMS**

#### **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 contact your [next level of support](#).

## **F6005**

### **DMS**

#### **IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).

## **F6006**

### **DMS**

#### **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 contact your [next level of support](#).

**F6007****DMS****DBAR***Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Implausible data

*Cause:*

Implausible data for database access.

*Action:*

Reaction is a soft restart. Save error message data and contact your [next](#) level of support.

## **F6008**

### **DMS**

#### **STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

## **F6009**

### **DMS**

#### **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 contact your [next level of support](#).

**F6010**  
**DMS**  
**OS CALL FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Negative exception code

*Cause:*

Negative exception code in operating system call.

*Action:*

Save error message data and contact your [next level of support](#).



**F6012****DMS****TIMEOUT FAULT*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Timer run down

***Cause:***

Timeout for expected response.

***Action:***

Save error message data and contact your [next level of support](#).

## **F6013**

### **DMS**

#### **MSG HEADER FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible message header

*Cause:* Implausible message header.

*Action:* Save error message data and contact your [next level of support](#).

**F6014****DMS****DMS CALL FAULT*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Negative acknowledgments

***Cause:***

Negative acknowledgments by the data management system (e.g. I/O error).

***Action:***

Save error message data and contact your [next level of support](#).

**F6016**  
**DMS**  
**ADVISORY**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Advisory message

*Cause:*

Advisory message.

*Action:*

Save error message data and contact your [next level of support](#).

## **F6033**

### **DMS**

#### **PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Save error message data and contact your [next level of support](#).

**F6050**

**CMS**

**IMPLAUSIBLE EVT CODE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible event code

*Cause:* Implausible event code.

*Action:* Save error message data and contact your [next level of support](#).

**F6051****CMS****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 contact your [next level of support](#).

**F6052**

**CMS**

**IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).



**F6053****CMS****UNEXP MESSAGE*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Unexpected message

***Cause:***

Message not expected in current state.

***Action:***

Save error message data and contact your [next level of support](#).

**F6054**

**CMS**

**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 contact your [next level of support](#).

## **F6055**

### **CMS**

#### **IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).

**F6056**

**CMS**

**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 contact your [next level of support](#).

**F6057****CMS****DBAR*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Implausible data

***Cause:***

Implausible data for database access.

***Action:***

Reaction is a soft restart. Save error message data and contact your [next](#) level of support.

**F6058**

**CMS**

**STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

## **F6059**

### **CMS**

#### **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 contact your [next level of support](#).

**F6060**

**CMS**

**OS CALL FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Negative exception code

*Cause:*

Negative exception code in operating system call.

*Action:*

Save error message data and contact your [next level of support](#).



**F6062****CMS****TIMEOUT FAULT*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Timer run down

***Cause:***

Timeout for expected response.

***Action:***

Save error message data and contact your [next level of support](#).

**F6063**

**CMS**

**MSG HEADER FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible message header

*Cause:* Implausible message header.

*Action:* Save error message data and contact your [next level of support](#).

**F6064****CMS****DMS CALL FAULT*****Type:***

Diagnosis-specific (several formats apply)

***Short text:***

Negative acknowledgments

***Cause:***

Negative acknowledgments by the data management system (e.g. I/O error).

***Action:***

Save error message data and contact your [next level of support](#).

**F6066**  
**CMS**  
**ADVISORY**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Advisory message

*Cause:*

Advisory message.

*Action:*

Save error message data and contact your [next level of support](#).

## **F6083**

### **CMS**

#### **PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Reaction is a hard restart. Save error message data and contact your [next level of support](#).

**F6103**  
**SM-DB**  
**UNEXP MESSAGE**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Unexpected message  
*Cause:* Message not expected in current state.  
*Action:* Save error message data and contact your [next level of support](#).

**F6104**

**SM-DB**

**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\_contact your [next level of support](#).

## **F6105**

### **SM-DB**

#### **IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).



**F6106****SM-DB****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 contact your [next level of support](#).

**F6107**  
**SM-DB**  
**DBAR**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Implausible data

*Cause:*

Implausible data for database access.

*Action:*

Save error message data and contact your [next level of support](#).

**F6108****SM-DB****STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

## **F6109**

### **SM-DB**

#### **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 contact your [next level of support](#).

**F6110**  
**SM-DB**  
**OS CALL FAULT**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Negative exception code  
*Cause:* Negative exception code in operating system call.  
*Action:* Save error message data and contact your [next level of support](#).

**F6113****SM-DB****MSG HEADER FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible message header

*Cause:* Implausible message header.

*Action:* Save error message data and contact your [next level of support](#).

**F6114**  
**SM-DB**  
**DMS CALL FAULT**

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

**F6116**  
**SM-DB**  
**ADVISORY**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Advisory message

*Cause:*

Advisory message.

*Action:*

Save error message data and contact your [next level of support](#).



**F6133**  
**SM-DB**  
**PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Reaction is a hard restart. Save error message data and contact your [next level of support](#).

**F6150**

**SM-CR**

**IMPLAUSIBLE EVT CODE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible event code

*Cause:* Implausible event code.

*Action:* Save error message data and contact your [next level of support](#).

**F6152**

**SM-CR**

**IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).

**F6153**  
**SM-CR**  
**UNEXP MESSAGE**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Unexpected message  
*Cause:* Message not expected in current state.  
*Action:* Save error message data and contact your [next level of support](#).

**F6155**

**SM-CR**

**IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).

**F6156**

**SM-CR**

**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 contact your [next level of support](#).

**F6159****SM-CR****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 contact your [next level of support](#).

**F6160**  
**SM-CR**  
**OS CALL FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Negative exception code

*Cause:*

Negative exception code in operating system call.

*Action:*

Save error message data and contact your [next level of support](#).



**F6164**  
**SM-CR**  
**DMS CALL FAULT**

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

## **F6166 CDR ADVISORY**

*Type:* Service-specific (several formats apply)  
*Short text:* Advisory message for call data recording  
*Cause:* This advisory message always refers to call data recording (see also F4216).

*Action:* Evaluate the auxiliary data line. Advisory messages (F6166) can be output in the auxiliary data line with the following texts. If you have any (further) questions not answered here, save the error message data and contact your [next level of support](#).

### **CDR DATA LOSS GEZ FILE OFLOW (GEZ = CDRC)**

*Cause:* Call charge file overflow

*Action:*

- Check file size (DAGR AMO)
- Check output application (KDGZ AMO)
- Check area size (INFO AMO)

### **GE: NO DF FOR FORCED TASK**

*Cause:* No dialog field defined for forced task

*Action:*

- CDRC file is full, and no dialog field defined for forced output (GEZAB AMO)
- Check CDRC parameters (GEZAB AMO)

### **GE: NO DF DEFINED FOR COMPUTER**

*Cause:* No dialog field defined for computer

*Action:*

- Device configuration okay? (GEZU AMO)
- Output device is computer (DP), and no dialog field defined? (GEZAB AMO)

### **CDR: FORMAT EMPTY**

*Cause:* Empty format

*Action:*

- Format in selection group? (SELG AMO)
- Format in format table? (FTBL AMO)

## CDR: CO CIRCUIT NO. NOT IN TRUNK NO. TABLE

LTG:01 LTU:6 EBT: 115 SATZ:000 B-KANAL:02"

(EBT = Slot; SATZ = circuit; B-KANAL = B-channel)

**Cause:** Destination number/tariff zone table incomplete

**Action:**

- Check line number table entry for specified slot address and add if necessary (FBTN AMO)
- Tariff tables configured correctly? (TTBL/SELG AMOs)
- Destination number table configured? (FBTN AMO)

## GE: WRONG ENTRY IN TARIFF TABLE

**Cause:** Tariff table entry wrong. Tariff list empty

**Action:**

- Tariff table configured correctly? (TTBL AMO)
- Correct tariff group configured in SELG? (SELG AMO)
- Tariff types configured correctly? (TTBL AMO)

## GE: EDP OUTPUT BLOCK TOO LARGE

**Cause:** EDP output block too large

**Action:** Reduce block size for SELG group (SELG AMO)

## GE: CHANGE TAPE - WRITE NOT POSSIBLE / INVALID VOL\_ID

**Cause:** Magnetic tape unit message

**Action:**

- Check tape settings (SELG AMO)
- Check format (SELG AMO)
- Change tape, create new VOL\_ID/header (TIMIT AMO)

## Auxiliary Data for SP300-V3.4/R6.3:

Byte 00-11 = PIN Number

Byte 12-15 = TRUNK\_NO

Number of exchange trunk seized

Byte 12-13 = LTG Line Number

Byte 16-19 = TRUNK\_POS

Physical address of exchange trunk seized

(LTG-LTU-SLOT-CCT)

Byte 20 - 25 = CONN\_ROUT\_CODE  
Customer-specific route code

Byte 26 = SWITCH\_PROCESS  
Identifies the call progress stage in the switching process

- 0 Empty
- 1 End after: seizure
- 2 End after: call section identifier
- 3 End after: vital call section
- 4 Call section after: seizure
- 5 Call section after: call section identifier
- 6 Section after: vital call section
- 7 Virtual call section after: seizure
- 8 Virtual call section after: call section identifier
- 9 Virtual call section after: vital call section
- 10 END\_AFTER\_START
- 11 SECT\_AFTER\_START

Byte 27 = CONN\_SERVICE\_IND  
Communication service of connection

- 0 Voice
- 1 Teletext
- 2 Videotex
- 3 Fax
- 4 Data
- 5 Telex via TTC (interworking)

Byte 28 = CONN\_NETWORK  
Specifies the network in which the call was set up

- 0 Analog network
- 1 IDN
- 2 ISDN
- 3 Analog
- 4 Digital

Byte 29 = CONN\_SPEED  
Transmission speed, values 0-116

Byte 30 = ATTND\_GROUP  
Attendant group of calling party and chargee, values from 0-16

Byte 31-52 = PAYING\_PARTY  
Number of chargee, values 0-15 per byte

Byte 53-54 = NODE\_NO  
Node number, values from 0-999

Byte 55-56 = CURR\_MESSAGE\_NR  
User system current message number, values from 0-65535

Byte 57-58 = CONN\_CHARGE\_UNITS  
Connection charge units, values from 0-65535

Byte 59-61 = MARK1

Bit string for selection features, bits 0-21 used.

Significance of set bits as follows:

BIT 0 Local connection

BIT 1 Toll connection

BIT 2 Chargee = ATND

BIT 3 Chargee = MTLN

BIT 4 Chargee = Night Station

BIT 5 User with CDRS authorization

BIT 6 User with CDRS authorization

BIT 7 Poss. ambiguous connection data

BIT 8 CDRATND for connections set up by attendant

BIT 9 CDRATND for connections set up by user

BIT 10 TTX notification authorization

BIT 11 Night status(per ATND group)

BIT 12 Limit section exceeded

BIT 13 Connection setup via S&F unit

BIT 14 TRUNK\_ID

BIT 15 TIE\_LINE,

BIT 16 GEI\_AUTH

BIT 17 EXPENSIVE

BIT 18 INTERN,

BIT 19 DINCOMING,

BIT 20 OUTGOING,

BIT 21 AMOUNT\_FROM\_NET

Byte 62-63 = CALL\_ID.NODE\_NO

Node number of current connection, values 0-999

Byte 64-67 = CALL\_ID.SEQU\_NO

ID number of current connection

Byte 68-71 = CONN\_CHARGE\_AMOUNT

Call charges in currency amounts

Byte 72 = CARRIER\_ZONE.CARRIER

Carrier, values 0-9

Byte 73 = CARRIER\_ZONE.ZONE

Distance zone, values 0-220, see TTBL AMO Description

Byte 74 = SUPPL\_SERVICE

Supplementary service, under which the chargeable call was set up

0 NOT\_DEFINED

1 NORMAL\_CALL

2 CONSULTATION\_CALL

3 CALL\_TRANSFER

4 CALL\_BACK

5 CALL\_FWD\_BUSY

6 CALL\_FWD\_UNCONDIT

7 CALL\_FWD\_NOREPLY  
 8 CALL\_PICKUP  
 9 CONFERENCE  
 10 OVERRIDE  
 11 HUNTING\_GROUP  
 12 MAIL\_BOX  
 13 PAGING  
 14 DICTATION  
 15 CREDIT\_CARD\_CHRG  
 16 REVERSE\_CHARGING  
 17 CALL\_DEFECTON  
 18 DOOR\_OPENING\_SYS  
 Byte 75-86 = IDENT\_CARD  
 Personal identification number  
 Byte 87 = IDENT\_CARD\_COPIN  
 Class of PIN, values 0-8  
 Byte 88 = CAUSE  
 Reason for connection clear-down, values 0-143  
 Byte 89 = TARTYP  
 Time-of-day-segment of connection setup  
 0 DAY  
 1 NIGHT1  
 2 NIGHT2  
 3 NIGHT3  
 4 NIGHT4

The following two fields are two mutually exclusive possibilities!

Byte 90-112 = DESTINATION\_NR  
 Dialed destination number for connection  
 Byte 90: Length of destination number, possible values 0-22  
 Byte 91-112: each byte shows one 'digit' of the DESTNO, between 0 and 15  
 Byte 90-103 = GET\_CTRS CDRS counters  
 Byte 90-94: 5-digit sum counter, values from 0-9 per byte  
 Byte 95-99: 5-digit difference counter, values from 0-9 per byte  
 Byte 100: Type of chargee, values 0-4  
 0 No chargee  
 1 User (station)  
 2 Attendant console  
 3 Main PABX TLC  
 4 Exchange trunk  
 Byte 101 : Units reset, BOOL  
 Byte 102 : CDRS header, bit string , Bits 0-4  
 BIT 0 Beginning of CDRS output

BIT 1 End of CDRS output  
 BIT 2 Beginning of CDRS partial list output  
 BIT 3 End of CDRS partial list output  
 BIT 4 CDRS data exists  
 Byte 103 : List type, values from 0-2  
 0 CDRS individual output  
 1 CDRS partial list output  
 2 CDRS total list output  
 Byte 113-119 = CONN\_TIME\_END\_ABS\_EXC End of connection  
 Byte 113 : Year (0-99)  
 Byte 114 : Month (1-12)  
 Byte 115 : Day (1-31)  
 Byte 116 : Hour  
 Byte 117 : Minute  
 Byte 118 : Second  
 Byte 119 : 1/10 second  
 Byte 120-123 = CONN\_TIME\_EXC Connection duration  
 Byte 120 : Hours  
 Byte 121 : Minutes  
 Byte 122 : Seconds  
 Byte 123 : 1/10 second

### **Auxiliary Data from SP300E V1.0/R 6.4 (if the data set contains errors):**

Byte 00-11 = PIN Number  
 Byte 12-15 = TRUNK\_NO  
 Number of exchange trunk seized  
 Byte 12-13: LTG Line Number  
 Byte 14: Subunit  
 Byte 15: ISDN B-channel  
 Byte 16-19 = TRUNK\_POS  
 Physical address of exchange trunk seized  
 (LTG-LTU-SLOT-CCT)  
 Byte 20 - 25 = CONN\_ROUT\_CODE  
 Customer-specific route code  
 Byte 26 = SWITCH\_PROCESS  
 Identifies the call progress stage in the switching process  
 0 Empty  
 1 End after: seizure  
 2 End after: call section identifier  
 3 End after: Virtual call section  
 4 Call section after: seizure  
 5 Call section after: call section identifier  
 6 Section after: virtual call section

7 Virtual call section after: seizure  
 8 Virtual call section after: call section identifier  
 9 Virtual call section after: virtual call section  
 10 END\_AFTER\_START  
 11 SECT\_AFTER\_START  
 Byte 27 = CONN\_SERVICE\_IND  
 Communication service of connection  
 0 Voice  
 1 Teletext  
 2 Videotex  
 3 Fax  
 4 Data  
 5 Telex via TTC (interworking)  
 Byte 28 = CONN\_NETWORK  
 Specifies the network in which the call was set up  
 0 Analog network  
 1 IDN  
 2 ISDN  
 3 Analog  
 4 Digital  
 Byte 29 = CONN\_SPEED  
 Transmission speed, values 0-133  
 Byte 30 = ATTND\_GROUP  
 Attendant group of calling party and chargee, values from 0-16  
 Byte 31-52 = PAYING\_PARTY  
 Number of chargee, values 0-15 per byte  
 Byte 53 = NODE\_ID.TYPE  
 Type of node  
 0 TYPE\_UNKNOWN  
 1 NODE\_ID\_NOT\_PRESENT  
 2 LEVEL0\_NODE\_NO  
 3 LEVEL1\_NODE\_NO  
 4 LEVEL2\_NODE\_NO  
 5 RESERVE\_5  
 6 RESERVE\_6  
 7 RESERVE\_7  
 Byte 54 = NODE\_ID.Level2  
 Node identification, sub-domain, values from 0-15  
 Byte 55 = NODE\_ID.Level1  
 Node identification, domain, values from 0-127  
 Byte 56-57 = NODE\_ID.Level0  
 Node identification, node number, values from 0-999  
 Byte 58-59 = CURR\_MESSAGE\_NR  
 User system current message number, values from 0-65535



Byte 60-61 = CONN\_CHARGE\_UNITS  
 Connection charge units, values from 0-65535  
 Byte 62-64 = MARK1  
 Bit string for selection features, bits 0-21 used.  
 The bits are divided among the three bytes as follows:  
 - Byte 1: bits 8-15  
 - Byte 2: bits 0-7  
 - Byte 3: bits 0-5: bits 16-21  
 Significance of set bits as follows:  
 BIT 0 Local connection  
 BIT 1 Toll connection  
 BIT 2 Chargee = ATND  
 BIT 3 Chargee = MTLN  
 BIT 4 Chargee = Night Station  
 BIT 5 User with CDRS authorization  
 BIT 6 User with CDRS authorization  
 BIT 7 Poss. ambiguous connection data  
 BIT 8 CDRTND for connections set up by attendant  
 BIT 9 CDRTND for connections set up by user  
 BIT 10 TTX notification authorization  
 BIT 11 Night status(per ATND group)  
 BIT 12 Limit section exceeded  
 BIT 13 Connection setup via S&F unit  
 BIT 14 TRUNK\_ID  
 BIT 15 TIE\_LINE,  
 BIT 16 GEI\_AUTH  
 BIT 17 EXPENSIVE  
 BIT 18 INTERN,  
 BIT 19 DINCOMING,  
 BIT 20 OUTGOING,  
 BIT 21 AMOUNT\_FROM\_NET  
 Byte 65 = CALL\_ID.NODE\_NO.TYPE; see byte 53  
 Byte 66 = CALL\_ID.NODE\_NO.LEVEL\_2; see byte 54  
 Byte 67 = CALL\_ID.NODE\_NO.LEVEL\_1; see byte 55  
 Byte 68-69 = CALL\_ID.NODE\_NO.LEVEL\_0; see bytes 56-57  
 Byte 70-73 = CALL\_ID.SQU\_NO  
 ID number of current connection  
 Byte 74-77 = CONN\_CHARGE\_AMOUNT  
 Call charges in currency amounts  
 Byte 78 = CARRIER\_ZONE.CARRIER  
 Carrier, values 0-9  
 Byte 79 = CARRIER\_ZONE.ZONE  
 Distance zone, values 0-220, see TTBL AMO Description,  
 under: DA\_M.CG\_ZONE\_TYPE\_SET,1

Byte 80 = SUPPL\_SERVICE

Supplementary service, under which the chargeable call was set up

0 NOT\_DEFINED

1 NORMAL\_CALL

2 CONSULTATION\_CALL

3 CALL\_TRANSFER

4 CALL\_BACK

5 CALL\_FWD\_BUSY

6 CALL\_FWD\_UNCONDIT

7 CALL\_FWD\_NOREPLY

8 CALL\_PICKUP

9 CONFERENCE

10 OVERRIDE

11 HUNTING\_GROUP

12 MAIL\_BOX

13 PAGING

14 DICTATION

15 CREDIT\_CARD\_CHRG

16 REVERSE\_CHARGING

17 CALL\_DEFECTION

18 DOOR\_OPENING\_SYS

Byte 81-92 = IDENT\_CARD

Personal identification number

Byte 93 = IDENT\_CARD\_COPIN

Class of PIN, values 0-8

Byte 94 = CAUSE

Reason for connection cleardown, values 0-149

Byte 95 = B\_CHNL\_CNT

Number of 64-Kbit-channels of a connection, values 0-30

Byte 96 = RECORD\_POINT

Recording point of the call data recording system

0 TRANSIT

1 BREAKOUT

2 ORIGIN

3 ORIGIN\_BREAKOUT

4 BREAKIN

Byte 97 = TRANSIT\_COUNT

Number of transit nodes, values 0-31

Byte 98-105 = see bytes 12 - 19

Byte 98-99 : INCOMING\_TRUNK\_NO.LTG\_Line

Byte 100-101 :

Byte 102 : INCOMING\_TRUNK\_POS.LTG

Byte 103 : INCOMING\_TRUNK\_POS.LTU

Byte 104 : INCOMING\_TRUNK\_POS.EBT (SLOT)

Byte 105 : INCOMING\_TRUNK\_POS.Satz (Circuit)  
 Byte 106 = TARTYP  
 Time-of-day-segment of connection setup  
 0 DAY  
 1 NIGHT1  
 2 NIGHT2  
 3 NIGHT3  
 Byte 106-112 = CONN\_TIME\_END\_ABS\_EXC  
 End of connection  
 Byte 106 : Year (0-99)  
 Byte 107 : Month (1-12)  
 Byte 108 : Day (1-31)  
 Byte 109 : Hour  
 Byte 110 : Minute  
 Byte 111 : Second  
 Byte 112 : 1/10 second  
 Byte 113-116 = CONN\_TIME\_EXC  
 Connection duration  
 Byte 113 : Hours  
 Byte 114 : Minutes  
 Byte 115 : Seconds  
 Byte 116 : 1/10 second  
 Byte 116-116 = EXC\_SEL\_GR\_PAR  
 Selection group  
 Byte 116: Selection group

F6166 M4 N0091 NO ACT A1 SM-CR ADVISORY 97-03-19 13:28:23  
 ALARM CLASS:CENTRAL:023  
 CC:44000 EC:43801 UA:0000:5A90:11F1 SP:0000:CB44:0716  
 FORMAT:14  
 0105 0100

### ***Action:***

- Check FT file settings ( DAGR, SELG AMOs)
- File area full? (INFO AMO)

## **F6200**

### **SM-USER**

#### **IMPLAUSIBLE EVT CODE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible event code

*Cause:* Implausible event code.

*Action:* Save error message data and contact your [next level of support](#).

## **F6202**

### **SM-USER**

#### **IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).

**F6203**  
**SM-USER**  
**UNEXP MESSAGE**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Unexpected message  
*Cause:* Message not expected in current state.  
*Action:* Save error message data and contact your [next level of support](#).

## **F6204**

### **SM-USER**

#### **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 contact your [next level of support](#).

## **F6205**

### **SM-USER**

#### **IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).



**F6206****SM-USER****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 contact your [next level of support](#).

**F6207**  
**SM-USER**  
**DBAR**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Implausible data

*Cause:*

Implausible data for database access.

*Action:*

Save error message data and contact your [next level of support](#).

**F6208****SM-USER****STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

## **F6209**

### **SM-USER**

#### **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 contact your [next level of support](#).

**F6210**  
**SM-USER**  
**OS CALL FAULT**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Negative exception code  
*Cause:* Negative exception code in operating system call.  
*Action:* Save error message data and contact your [next level of support](#).

**F6212**  
**SM-USER**  
**TIMEOUT FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Timer run down

*Cause:*

Timeout for expected response.

*Action:*

Save error message data and contact your [next level of support](#).

**F6214**  
**SM-USER**  
**DMS CALL FAULT**

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

**F6216**  
**SM-USER**  
**ADVISORY**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Advisory message.

*Cause:*

Advisory message.

*Action:*

Save error message data and contact your [next level of support](#).



**F6233**  
**SM-USER**  
**PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Save error message data and contact your [next level of support](#).

**F6250**

**SM-DEP**

**IMPLAUSIBLE EVT CODE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible event code.

*Cause:* Implausible event code.

*Action:* Save error message data and contact your [next level of support](#).

**F6251**  
**SM-DEP**  
**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 contact your [next level of support](#).

**F6252**

**SM-DEP**

**IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state.

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).

**F6253**  
**SM-DEP**  
**UNEXP MESSAGE**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Unexpected message  
*Cause:* Message not expected in current state.  
*Action:* Save error message data and contact your [next level of support](#).

**F6254**

**SM-DEP**

**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 contact your [next level of support](#).

**F6255****SM-DEP****IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).

**F6256**

**SM-DEP**

**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 contact your [next level of support](#).



**F6257**  
**SM-DEP**  
**DBAR**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Implausible data

*Cause:*

Implausible data for database access.

*Action:*

Save error message data and contact your [next level of support](#).

**F6258**

**SM-DEP**

**STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

**F6259****SM-DEP****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 contact your [next level of support](#).

**F6260**  
**SM-DEP**  
**OS CALL FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Negative exception code

*Cause:*

Negative exception code in operating system call.

*Action:*

Save error message data and contact your [next level of support](#).

**F6262**  
**SM-DEP**  
**TIMEOUT FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Timer run down

*Cause:*

Timeout for expected response.

*Action:*

Save error message data and contact your [next level of support](#).

**F6264**  
**SM-DEP**  
**DMS CALL FAULT**

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

**F6266**  
**SM-DEP**  
**ADVISORY**

**Type:**

Diagnosis-relevant (several formats relevant)

**Short text:**

Advisory message from the SW complex server dependability system

**Cause:**

The dependability outputs this advisory message when a specific set of circumstances are reached. The messages are partially text-driven:

E.g.: FBC-QUEUE OVERFLOW: the signaling task SIT is not available, the messages are queued. In the case of too many messages, an overflow to (Queue Overflow) occurs. As a result, messages cannot be lost.

**Action:**

Save error message data and contact your [next level of support](#).

**F6283**  
**SM-DEP**  
**PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Save error message data and contact your [next level of support](#).



**F6298****SM-DEP****PROCESSOR INTERRUPT**

*Type:* (Format 01)

*Short text:* Interrupt processed by Sysload

*Cause:* Sysload has processed or output an interrupt.

*Action:* Save error message data and contact your [next level of support](#).

**F6300**

**SM-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 contact your [next level of support](#).

**F6301****SM-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 contact your [next level of support](#).

**F6302**

**SM-AM**

**IMPLAUSIBLE STATE**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible state.

*Cause:* Implausible state.

*Action:* Save error message data and contact your [next level of support](#).

**F6303**  
**SM-AM**  
**UNEXP MESSAGE**

*Type:* Diagnosis-specific (several formats apply)  
*Short text:* Unexpected message  
*Cause:* Message not expected in current state.  
*Action:* Save error message data and contact your [next level of support](#).

**F6304**

**SM-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 contact your [next level of support](#).

**F6305****SM-AM****IMPLAUSIBLE PROC RET**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible return value

*Cause:* Implausible return value received from a procedure.

*Action:* Save error message data and contact your [next level of support](#).

## **F6306**

### **SM-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 contact your [next level of support](#).



**F6307**  
**SM-AM**  
**DBAR**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Implausible data

*Cause:*

Implausible data for database access.

*Action:*

Reaction is a soft restart. Save error message data and contact your [next](#) level of support.

## **F6308**

### **SM-AM**

#### **STATIC DATA FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible data

*Cause:* Implausible data (static data) in memory.

*Action:* Save error message data and contact your [next level of support](#).

## **F6309**

### **SM-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 contact your [next level of support](#).

**F6310**  
**SM-AM**  
**OS CALL FAULT**

*Type:*

Diagnosis-specific (several formats apply)

*Short text:*

Negative exception code

*Cause:*

Negative exception code in operating system call.

*Action:*

Save error message data and contact your [next level of support](#).

**F6312**  
**SM-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 contact your [next level of support](#).

**F6313**

**SM-AM**

**MSG HEADER FAULT**

*Type:* Diagnosis-specific (several formats apply)

*Short text:* Implausible message header.

*Cause:* Implausible message header.

*Action:* Save error message data and contact your [next level of support](#).

**F6314**  
**SM-AM**  
**DMS CALL FAULT**

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

**F6316**  
**SM-AM**  
**ADVISORY**

*Type:* Service-specific (Format 42)

*Short text:* Advisory message, status message of SWS

*Cause:* The additional text in the auxiliary data indicates the processing status of the software supply function SWS.

*Action:* No action necessary.

*Interpretation of auxiliary data:*

The following messages are output:

```
UPDATE OF CUSTOMER DATABASE TO HD IS STARTED
UPDATE OF CUSTOMER DATABASE TO MO IS STARTED
GRACE PERIOD IS ACTIVE
BACKUPTIME IS ACTIVE
COPY OF AREA(S) FROM MO TO HD IS STARTED
DOUBLE RECORDING WITH HD AS MASTER IS STARTED
```



**F6333**  
**SM-AM**  
**PLAUS MAX LIMIT**

*Type:* Diagnosis-specific (Format 01)

*Short text:* Plausibility error

*Cause:* Too many plausibility errors within a specific time. Error statistics overflow.

*Action:* Save error message data and contact your [next level of support](#).

**F6334****SM-AM****SYSTEM EXCEPTN HANDLER**

*Type:* Diagnosis-relevant (Format 01)

*Short text:* Error processing root job

*Cause:* System exception handler was called due to an error.

*Action:* Determine cause with additional error log. Save error message data and contact your [next level of support](#).

## **F6404**

### **DMS**

### **MAINTENANCE**

*Type:* Service-specific (several formats apply)

*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. contact your [next level of support](#).

## **F6424**

### **CMS**

#### **MAINTENANCE**

*Type:* Service-specific (several formats apply)

*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. contact your [next level of support](#).

**F6444**  
**SM-DB**  
**MAINTENANCE**

**Type:** Service-specific (several formats apply)

**Short text:** Trace job via TRACA AMO

**Cause:** The trace job was started with the trace conditions defined in the TRACA AMO. The trace situation created with the AMO has occurred. This message usually consists of plain text, which is either self-explanatory or explained in the auxiliary data or refers to a specific section of the Service Manual.

**Action:** The alarm [CENTRAL:029 MAINTENANCE NOTE](#) must always be reset (deleted) via AMO.

SWU: DEL-GRA:BP,29;

ADP: DEL-GRA:AI,29;

VI server: DEL-GRA:VI,29;

In order to be able to evaluate the trace job, your system specialist needs the error message data. Save the error message data and contact your [next level of support](#).

**Interpretation of auxiliary data:**

- |          |   |
|----------|---|
| START    | The trace job was started via AMO. The functional system unit concerned and the trace point are shown in the auxiliary data.  |
| STOP     | The trace point defined by AMO has been reached. The trace job for a specific functional system unit has been stopped. The unit concerned is output in the auxiliary data, together with the trace point. |
| STOP ALL | The trace point defined by AMO has been reached. The trace job has been stopped for all functional system units. The unit concerned is output in the auxiliary data, together with the trace point.       |

**F6464**  
**SM-CR**  
**MAINTENANCE**

*Type:* Service-specific (several formats apply)

*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. contact your [next level of support](#).

**F6484**  
**SM-AS**  
**MAINTENANCE**

*Type:* Service-specific (Format 33)

*Short text:* Advisory message of the MAINTENANCE NOTE alarm.

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

*Action:* The alarm [CENTRAL:029 MAINTENANCE NOTE](#) 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. contact your [next level of support](#). Further steps to be undertaken depend on the error message text.

*Interpretation of auxiliary data:*

The CDBR component outputs the following text:

```
CDBR: SPORADIC ERROR STATISTIC OVERFLOW.  
CDBR: CONSTANT ERROR STATISTIC OVERFLOW.  
CDBR: INTERNAL PROGRAM INCONSITENCY.
```

Save the error message and the entries in the History File for diagnosis. Check the History File for additional information on the error cause. Eliminate the cause of the error and reactivate the CDBR component.

The SWS component outputs the following text after "SOFTWARE SUPPLY:"

```
STARTTIME NOT VALID  
SYSTEMTIME NOT VALID
```

An invalid start time was specified. Check the system time and the SWS times. Start SWS again.

```
SWU NOT READY
```

The system is not in call processing operation. Start SWS again when the system is back in operation.

```
SYSTEM HAS NOT BEEN LOADED FROM MO
```

In partial mode, SWS requires a system to be loaded from MO first. Either initiate a complete start of the SWS, or load the system from MO and subsequently initiate a partial start of the SWS again.

```
DOWNTIME EXCEEDING WHILE .....
```

System was down for more than 4 hours during SWS run. Start SWS again.

SWITCH RUNS WITH OLD SW FROM HD; MO IS .....

New SW has caused a reload of the old SW. Request MO with new SW and start SWS again.

WRONG SWS VERSION

The SWS versions on HD and MO are not compatible. Software cannot be updated with SWS. Carry out a manual software update.

USER ABORT

DEA-SWS AMO command entered.

DOWNTIME CONTROL ERROR

ERROR WHILE UPDATING ...

ERROR WHILE COPYING AREA :PDS: FROM MO TO HD

ERROR WHILE FINAL UPDATE OF THE ADM DATABASE

ERROR WHILE STARTING DOUBLE RECORDING...

INTERNAL ERROR WHILE STARTING REMINDER WITH ...

INTERNAL ERROR WHILE ...

DEACT PAIR ERROR

THIS MESSAGE SHOULD NEVER OCCUR

An internal runtime error has occurred. Save error messages for later diagnosis and contact your [next level of support](#).



**F6504**  
**SM-DEP**  
**MAINTENANCE**

*Type:* Service-specific (several formats apply)

*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. contact your [next level of support](#).

**F6506**  
**SM-DEP**  
**RESTART LEVEL**

*Type:* Service-specific (Format 41)

*Short text:* Type of restart carried out.

*Cause:* As of SP300 E V2.0, this ADP error message replaces [F7000](#) - [F7005](#) (advisory messages with HEX data). This message is always output by dependability following a restart, and describes the type of restart in plain text as well as a possible restart escalation. Example: RESTART TYPES: HARD RESTART / SOFT RESTART  
A soft restart was requested, which escalated to a hard restart.

*Action:* This message is intended as an advisory and helps determine the reason for the restart. Evaluate preceding error messages.

**F6507**  
**SM-DEP**  
**LOAD DEVICE**

*Type:* Service relevant (Format 33)  
*Short text:* Output of the current load device.  
*Cause:* Signaling of message each time the ADP is reloaded.  
*System reaction:* Depends on the current load device:

- HD (:A1H1E:) - System is in normal state, this is only an advisory message.
- All other load devices trigger a MAJOR ALARM 13 (ALTERNATE LOAD AREA) if the reload was not manually triggered (AMO REST).

*Action:* Only required if the load device and the HD are not the same. Save error message data and restart logs and contact your [next level of support](#).

A possible cause may be that the incorrect software version is installed on the HD. The measure implemented depends on the cause of the reload, for example:

- replace HD,
- regenerate PDS,
- load backup.

A PDS (AMO REST) must be triggered after the measure has been implemented.

*Interpretation of auxiliary data:*

The load device is output in the appendix of the CURRENT LOAD DEVICE IS: text. Possible variants include:

If the following text

RECOMMENDED ACTION: CHANGE OR PREPARE A NEW HD!!

is output in the appendix of the output device, this means that Major Alarm 13 - ALTERNATE LOAD AREA was set.

## **F6524 SM-AM MAINTENANCE**

**Type:** Service-specific (several formats apply)  
**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. contact your [next level of support](#).

*Interpretation of auxiliary data:*

### **Message Text 1:**

WARNING BY HISTA TASK:  
THE HISTA FILE CAPACITY OF 95% IS REACHED  
IF YOU WANT, SAVE THE HISTO FILE

**Cause:** The above MINOR alarm is initiated by the HISTA task in the ADP in repines to an alarm request specified in the AMO (ALARM parameter of ADD-HISTA command). 19 of the 20 Histo file pairs are filled with error messages and information, corresponding to 95% of the HISTA database capacity.

**Action:** File pairs 1-19 should be saved to an external backup medium. No messages are lost, since the current messages can still be stored in the 20th file pair. See also [HISTA backup measures](#).

### **Message Text 2:**

WARNING BY HISTA TASK:  
HISTA FILE OVERFLOW (LOSS OF FAULT MESSAGES)  
THE FIRST 5% OF THE HISTA FILE IS DELETED

**Cause:** The above MAJOR alarm is initiated by the HISTA task in the ADP in repines to an alarm request specified in the AMO (ALARM parameter of ADD-HISTA command). All of the 20 file pairs have been filled with error messages and information, and the first file pair (corresponds to 5% of the HISTA database capacity) is now being overwritten, i.e. all the "old" error messages/information contained in the file pair are now irretrievably lost.

**Action:** Action: If an external backup of the file pairs 1-19 was carried out when the MINOR alarm was signaled, you only need to save the 20th file pair. If no external backup was carried out, you can still save file pairs 2 - 20 to an external backup medium. See also [HISTA backup measures](#).



## **F6616**

### **ACM**

### **ADVISORY**

**Type:** Service-specific (Format 14)

**Short text:** ACM error detected.

**Cause:** This Error is reported whenever ACM detects an error. The most important information is the error code which is available in the EC field. The ACL-C event which causes the error is usually at the end of the message. When the system restarts, ACM usually logs a few advisory messages before it can synchronize with the other tasks. So, ignore the ACM advisories right after a switch restart.

**System reaction:** Signals only.

**Action:** Depends on the error code.

#### **Interpretation of auxiliary data:**

- 56000 The application sent a message to ACM without being connected.
- 56001 The application sent a request to ACM without being signed-on.
- 56002 ACM is out of sync with the ACL Complex. Send error to development.
- 56003 Not Used
- 56004 The event code sent by CP or the application is not supported by ACM.
- 56005 Internal error. Send error to development.
- 56006 The contents of the received message is invalid. This is usually caused by CP or the application sending a bad message.
- 56007 The syntax of the received message is bad. This is usually caused by CP or the application sending a bad message.
- 56008 Internal error. Send error to development.
- 56009 The application is not configured in the system. Check AMOs ACM SM, CPDL, XAPPL, etc
- 56010 Internal error. Send error to development.
- 56011 ACM could not complete processing the message. Send error to development.
- 56012 Not Used
- 56013 The high water mark in the send queue was hit. This can happen during high load situations. Some events to the application may be lost.
- 56014 ACM could not process the request. This may be caused when the application puts wrong information in the sign-on request.
- 56015 Non fatal ACM error when making an OS function call. This is caused by system resources problem or internal control problem. The system should still function ok. Send error to development
- 56016 Fatal ACM error when making an OS function call. This causes the server to restart. This problem usually is caused by system resources problem such as not having enough memory or serious problems in communication. Send error to development
- 56017 ACM received a message with bad header information. This is usually caused by CP, DEP, DB, AMO, or CMS sending a bad message.
- 56018 The maximum size of the send queue was hit. This can happen if the traffic is heavier than what we can support.

- 56019 The queue high water mark is less than or equal to the low water mark. Something is wrong with the queue size. Send error to development.
- 56020 ACM had problems parsing a message. Either someone (CP or application) sent a bad message to ACM or it is an internal error. Send error to development.
- 56021 The configuration is bad. Check configuration using AMOs ACMSM, CPDL, XAPPL, etc.
- 56022 CP has restarted. The link (layer 4 and layer 7) to the application is dropped. ACM waits for the application to reconnect the link.
- 56023 Internal counter of the message in the application send queue was wrong. ACM recovers itself.

## **F6654**

### **AMC**

#### **MAINTENANCE**

**Type:**

Service-specific (several formats apply)

**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. contact your [next level of support](#).



**F6700**  
**DBSYNC**  
**MESSAGE**

*Type:* Service-specific (Format 17)  
*Short text:* Data synchronization necessary  
*Cause:*

1. The SWU has been newly generated. The data of the affected service (EMML, ACD or DIR) are no longer consistent with the SWU data. The backup data of the service must be adapted to the SWU (version can be displayed with SYNC AMO).
2. The DBSYNC task has terminated, since it was unable to access the files in the DSY area on the hard disk. The data in the SWU and the Services (EMML, ACD, DIR) are no longer synchronized.

*Action:* Check the DSY area on the hard disk.

**F6701**  
**DBSYNC**  
**ERROR**

*Type:* Service-specific (Format 17)

*Short text:* File handling problems

*Cause:*

1. Messages describing problems in DBSYNC handling of hard disk files (e.g. not enough space on hard disk in DSY area of DBSYNC).
2. Synchronization problems between DBSYNC and Service (EMML, ACD, DIR) following modification of SWU data, reload or update of HD data via AMOs.

*Action:* Diagnosis possible by displaying the SEAT with the SYNC AMO.