

NOKIA

**Alarm Documentation and
Printout Changes between
Releases S10 and S10.5 ED**

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About alarm changes

The changes that have been made in alarms between the S10 and S10.5 ED BSC software releases are described here.

Minor changes that do not have any effect on the functionality of the alarm are not included.

The change descriptions of individual alarms are divided into three groups: alarm documentation, printout changes and alarm parameters. The possible statements are:

- Alarm text changed
- Meaning improved
- Meaning changed
- SIF (Supplementary Information Field) structure changed
- SIF (Supplementary Information Field) values updated
- SIF (Supplementary Information Field) meaning updated
- Instructions improved
- Operating sequence improved
- Cancelling updated
- Alarm parameters changed

The changed alarm text and supplementary information fields are also described in more detail in the alarm printout part of the change description.

The new alarms in S10.5 and S10.5 Enhanced Delivery software releases are presented in the sections of their own. There were no removed alarms between S10 and S10.5 software releases.

Note

Because the documentation is delivered before the software release, some changes may still occur before release delivery.

2 New alarms

2.1 3191 INTERNAL INCONSISTENCY IN DATABASE FILE

Meaning

An inconsistency has been detected in an internal data structure of a database. In most cases the inconsistency is caused by the fact that the disk image of the database is corrupted as result of an operating error. Physical memory errors may have corrupted the memory image of the database. Because of these faults, the functioning of the database may be disturbed. The database is corrupted and should be repaired.

2.2 7612 SITE POWERING FAULTY

Meaning

(i) The site power system has a critical hardware failure. If the failure is not corrected, it may cause additional damage to the site power system and/or it causes the power supply to the hardware reliant on it to be disrupted or fail.

(ii) Critical site power system parameter(s) are out of limits. If they are not corrected, this causes damage to the site power system and/or causes the power supply to the hardware reliant on it to be disrupted or fail.

(iii) The mains supply to the site power system has failed and the back-up batteries are now almost discharged. If mains power is not restored quickly it causes the power supply to the hardware reliant on the site power system to be disrupted or fail.

2.3 7613 SITE POWERING OPERATION DEGRADED

Meaning

- (i) The site power system has a major hardware failure which degrades the performance of the site power system.
- (ii) Major site power system parameters are out of limits which degrades the performance of the site power system.
- (iii) The mains supply to the site power system has failed. Note that this condition may be alternatively indicated by the "Mains Breakdown With Battery Backup" alarm.

2.4 7614 SITE POWERING NOTIFICATION

Meaning

- (i) The site power system has a minor hardware failure which may degrade the performance of the site power system under some conditions.
- (ii) Minor site power system parameters are out of limits which may degrade the performance of the site power system under some conditions.

3

New alarms in S10.5 ED Enhancement Delivery

A new alarm introduced by WPS feature.

3.1 7763 ACCESS CLASS BARRED

Meaning

This alarm indicates the operator the starting and ending moments of access class control involving access class 12, 13, or 14.

3.2 3225 SUPERVISED IP ADDRESS UNAVAILABLE

Meaning

An IP address under supervision became unavailable, which means that the specified number of allowed lost replies have exceeded. The system remains functional but this alarm means that the IP destination is not reachable thus any communication towards this address will probably fail.

4

Changed alarms

4.1 2076 SS7 UNIT UPDATE FAILURE

Documentation

SIF values updated

Alarm printout, SIF

Old:

```
1          error code
01  no acknowledgement from the unit to be updated
02  error acknowledgement from the unit to be updated
2          file number
if the value is zero, it is not a file but a table
located in the CCNETM and CCSEND program blocks' own
data areas. The record number is the number of the
logical signalling link terminal
3          record number
```

New:

```
1          error code
01  unit to be updated has not acknowledged a record of
    SS7 routing data
02  unit to be updated has rejected a record of SS7
    routing data
03  unit to be updated has not completed warm-up
    procedure of SS7 routing data
2          file number or
13D007F not actual file 13D007F, but the computer unit specific
allocation table of logical signalling link functions
3          record number
```

4.2 2123 REMOTE END MULTIFRAME MISSING

Documentation

Meaning improved

Alarm parameters changed

4.3 2386 OVERWRITING UNTRANSFERRED VDS- DEVICE DATA FILE

Documentation

Instructions improved

4.4 3020 NETWORK SERVICE VIRTUAL CONNECTION UNAVAILABLE

Documentation

Meaning improved

4.5 3021 NETWORK SERVICE VIRTUAL CONNECTION UNBLOCK PROCEDURE FAILED

Documentation

Meaning improved

4.6 3022 NETWORK SERVICE VIRTUAL CONNECTION BLOCK PROCEDURE FAILED

Documentation

Meaning improved

**4.7 3023 NETWORK SERVICE VIRTUAL CONNECTION
RESET PROCEDURE FAILED****Documentation**

Meaning improved

**4.8 3024 NETWORK SERVICE ENTITY
CONFIGURATION MISMATCH****Documentation**

Meaning improved

**4.9 3025 NETWORK SERVICE VIRTUAL CONNECTION
TEST PROCEDURE FAILED****Documentation**

Meaning improved

**4.10 3028 NETWORK SERVICE VIRTUAL CONNECTION
IDENTIFIER UNKNOWN****Documentation**

Meaning improved

**4.11 3030 BSSGP VIRTUAL CONNECTION BLOCK
PROCEDURE FAILED****Documentation**

Meaning improved

4.12 3931 LOCATION MEASUREMENT UNIT CONNECTION FAILURE

Documentation

SIF structure changed

Old:

- | | |
|---|---|
| 1 | identifier of the affected LMU area |
| 2 | identifier of the BCF where the affected LMU is located |
| 3 | identifier of the TRX containing the affected LMU |
| 4 | type of the affected LMU |
| 5 | index of the affected LMU |

New:

- | | |
|---|---|
| 1 | identifier of the affected LMU area |
| 2 | identifier of the BCF where the affected LMU is located |
| 3 | identification of BTS |
| 4 | identifier of the TRX containing the affected LMU |
| 5 | type of the affected LMU |
| 6 | index of the affected LMU |

4.13 7600 BCF FAULTY

Documentation

Instructions improved

4.14 7601 BCF OPERATION DEGRADED

Documentation

Instructions improved

4.15 7604 BTS OPERATION DEGRADED

Documentation

Instructions improved

4.16 7605 BTS NOTIFICATION**Documentation**

Instructions improved

4.17 7606 TRX FAULTY**Documentation**

Instructions improved

4.18 7607 TRX OPERATION DEGRADED**Documentation**

Instructions improved

4.19 7609 TRE FAULTY**Documentation**

Instructions improved

4.20 7616 OSCILLATOR ADJUSTING TEMPORARILY INTERRUPTED**Documentation**

Instructions improved

4.21 7617 SEVERAL CALLS DROPPED DUE TO PROBLEM WITH TRANSCODER**Documentation**

Instructions improved

4.22 7725 TRAFFIC CHANNEL ACTIVATION FAILURE

Documentation

Cancelling updated

SIF meaning updated

Operating sequence improved

4.23 7746 CH CONGESTION IN BTS ABOVE DEFINED THRESHOLD

Documentation

Alarm text changed

Alarm printout, TEXT

Old: CH CONGESTION IN BTS ABOVE DEFINED THRESHOLD

New: CH CONGESTION IN CELL ABOVE DEFINED THRESHOLD

4.24 7808 FAULT IN Q1-INTERFACE OF BCF

Documentation

Instructions improved

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Changed alarms in S10.5 and S10.5 ED Enhancement Delivery

In S10.5 and S10.5 ED releases, S10 level version is used for alarms 3020, 3021, 3022, 3023, 3024, 3025 and 3028.

