BSC Information Bulletin

This bulletin is to describe the most important outstanding problems found in the BSC S10.5 (12.16-0), S10.5 ED (13.13-0) and S11 (1.34-0) SW levels at the moment.

1. BCSU load increases to 100% (S11)

Description: If BCCH frequency list is attached (MML command ZEQB) to all available segments, BCSU load rate increases to 100%. RCSPRB program block in BCSU units causes processor time shortage.

Impact: No traffic carried via the BSC when problem active.

Workaround: Problem situation can be avoided if BCCH frequencies are attached to smaller amount of BTSs simultaneously. It's recommended that attach command (ZEQB) is applied not more than 30 BTSs in one command.

Correction: Not available

Correction target: ASAP

Reference: 1-44008399

2. RC0 process exception in EDAP reconnection (S10.5 ED, S11)

Description: A bug in RC0 causes general protection error leading to alarm 1078 setting and MCMU hot reset is initiated

Impact: MCMU HOT restart

Workaround: Not available

Correction: Correction to the RC0 program block is under implementation.

Correction target:
CD3.x for S11, release date ASAP
CD6.1 for S10.5 ED, release date 4th October 2004

Reference: 1-44069931

3. Sleeping BTSs (S11)

Description: A bug in GUPDAT may cause some BTSs to be sleeping. If STATE_CHANGED message is received while TRX is in BL-RSL state, the BSC Configuration Updating Program Block updates new state information only to RNW database.

Impact: Sleeping voice and GPRS cells

Workaround: BTS lock/unlock

Correction: Correction to the GUP_BXSX program block has been implemented. New state information is updated also to call control program blocks.

Correction target:
CD3.0 for S11, release date 27th September

Reference: 1-45250231

4. BSC restart after working MCMU restart (S11, S10.5ED)

Description:
After PCM fault cancel BCF reset could not be executed because of too long timer. The message kill_slave_s could not be handled during PCM fault cancel scenario.

Impact:
BTS / BCF could not be unlocked and message buffers are fullfilled with messages. Working MCMU is restarted leading to system restart.

Workaround:

Correction:
The handling of BCF reset is corrected into the GUP_BXSX program block.

Correction target:
CD3.0 for S11, release date 27th September 2004
CD6.1 for S10.5ED, release date 4th October 2004

Reference: 1-43680751, 1-43555701, 1-44605047

5. Low GPRS throughput after S10.5 upgrade (12.16-0 and 13.13-0)

Description:
It has been found out that in few cases after the S9 -> S10.5 upgrade, the GPRS throughput has been extremely low. The reason for this has been incorrect parameter values for MNUL and MNDL (value has been 1). The default values for these parameters are 7 for MNUL and 9 for MNDL.
This situation becomes active if the parameter Q3PreferredConfiguration is not set to correct value and updates to the network is done with NetAct. The correct value settings can be checked from BSC SW TN 737.
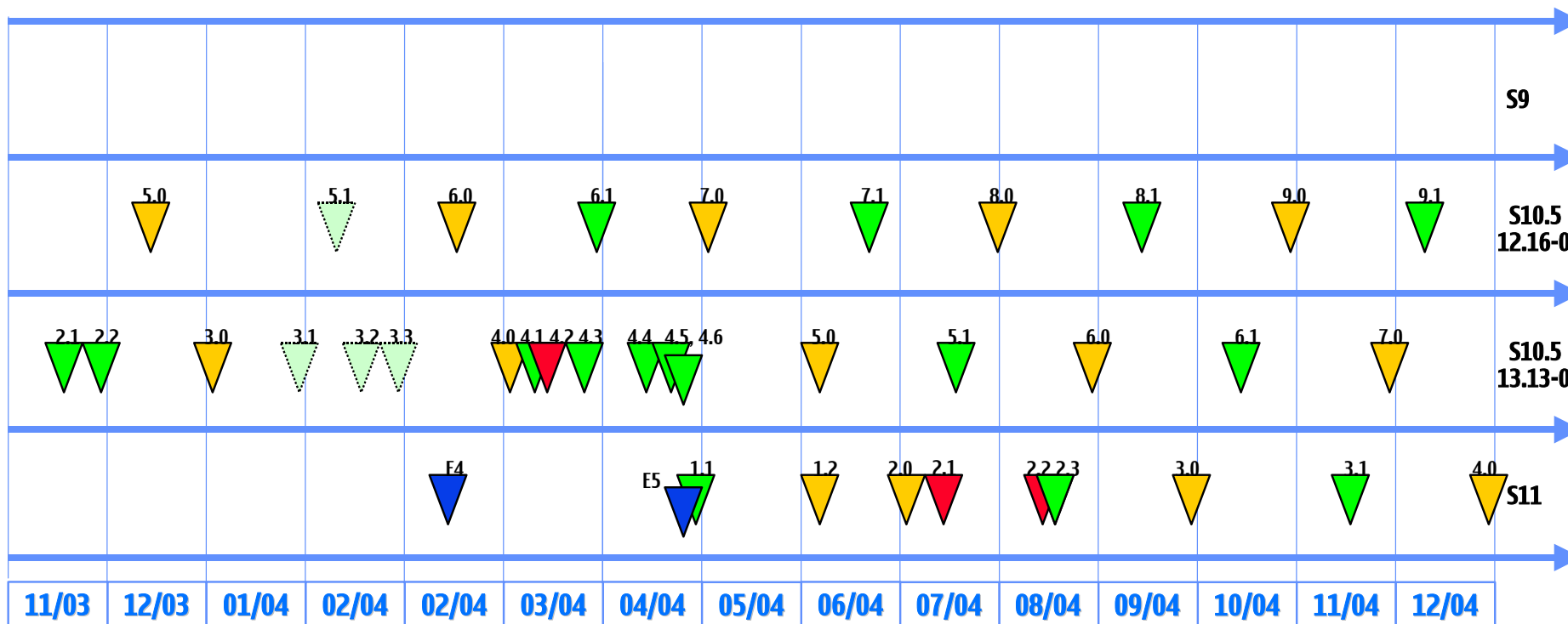
Impact: Low GPRS throughput.

Workaround: Check the MNUL and MNDL values and change those to default values.

Summary of changes

Version	Date	Author	Comments
1.0	01-Sep-2003	S. Tarvainen	First version
2.0	17-Sep-2003	S. Tarvainen	Updated the information on current level
3.0	15-Oct-2003	S. Tarvainen	Updated the information on 15th October level.
4.0	02-Dec-2003	S. Tarvainen	Updated information on 2nd December level.
5.0	19-Jan-2004	S. Tarvainen	Updated information on 19nd January level.
6.0	15-Mar-2004	S. Tarvainen	Updated information on 15th March level.
7.0	19-Apr-2004	S. Tarvainen	Updated information on 19th April level.
8.0	22-Apr-2004	S.Tarvainen	Updated information on 22nd April level.
9.0	12-May-2004	T. Viitanen	Updated information on 12th May level.
10.0	17-May-2004	S. Tarvainen	Updated information on 17th May level.
11.0	10-Jun-2004	S. Tarvainen	Updated information on 10th June level.
12.0	13-Jul-2004	M. Huhmarniemi	Updated information on 13th July level.
13.0	16-Sep-2004	S. Tarvainen	Updated information on 16th September level

BSC Change Delivery Schedules

| | 11/03 | 12/03 | 01/04 | 02/04 | 02/04 | 03/04 | 04/04 | 05/04 | 06/04 | 07/04 | 08/04 | 09/04 | 10/04 | 11/04 | 12/04 |

Legend:

▽ = General CD

▽ = Feature/Customer CD

▽ = Emergency CD

▽ = SW Release

CD content is frozen three weeks before the release date to ensure quality!
Normally CD-release is scheduled to be on Monday(s)!

Click the triangle to get details