

OsmoBSC - Feature #3682

Intra-domain connection of OsmoBSC to multiple MSCs

11/06/2018 02:14 PM - laforge

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|------------------------|-------------|--------------------|------------|
| Status: | New | Start date: | 11/06/2018 |
| Priority: | Normal | Due date: | |
| Assignee: | laforge | % Done: | 0% |
| Category: | A interface | | |
| Target version: | | | |
| Spec Reference: | | | |

Description

3GPP TS 23.236 specifies the "Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes".

This introduces two concepts:

- a deviation from the strict hierarchy of classic GSM architecture where a BSC is always only served by one MSC
- the introduction of "MSC pools" where a pool of multiple MSCs cover one geographic service area.

This appears to be functioning by dividing the TMSI range between different MSCs, using the higher-order TMSI bits to identify the MSC and the lower-order TMSI bits for the actual TMSI within that MSC.

Section 5.3 describes the functions required to be implemented in the BSC.

History

#1 - 01/25/2019 12:47 PM - laforge