

OpenBSC - Feature #1845

Full BSC/MSC split in NITB/MSC

11/18/2016 09:39 PM - laforge

Status: Closed	Start date: 11/18/2016
Priority: Normal	Due date:
Assignee: neels	% Done: 100%
Category:	Spec Reference:
Target version: A-over-IP interface as per 3GPP	
Resolution:	
Description In order to continuously test and use the AoverIP interface, we will need to split the NITB/MSC code and remove libbsc from it. Instead, add an AoIP interface that can talk to osmo-bsc. This will make the luCS and the A/GERAN world align with each other and most likely mean we'll give up NITB altogether.	
Related issues:	
Related to OpenBSC - Feature #2017: Cleanup deprecated, make breaking changes...	Rejected 04/20/2017
Related to OsmoNITB - Feature #1712: 3G Voice	Closed 05/14/2016
Related to OsmoMSC - Bug #2276: Make sure A and lu can run alongside each other.	Closed 05/20/2017
Has duplicate OsmoNITB - Feature #1594: Split of BSC part from CoreNITB part	Rejected 02/23/2016
Precedes OsmoMSC - Feature #1609: Inter-BSC hand-over is missing (MSC side)	In Progress 11/21/2016 11/21/2016

History

#1 - 11/18/2016 09:43 PM - laforge

#2 - 02/24/2017 02:35 PM - neels

- Subject changed from Full BSC/MSC split in NITB/CSCN to Full BSC/MSC split in NITB/MSC

- Description updated

#3 - 02/28/2017 03:11 PM - laforge

- Assignee set to neels

#4 - 02/28/2017 04:36 PM - laforge

- Precedes Feature #1609: Inter-BSC hand-over is missing (MSC side) added

#5 - 03/08/2017 03:24 PM - neels

- Status changed from New to In Progress

- % Done changed from 0 to 50

While this has definitely been ongoing for a long time, it's hard to set a meaningful percentage. Recent progress includes separation of gprs, bsc and msc subscribers on the openbsc master branch, and combination of the 3G with VLR efforts.

On the 3G branch (sysmocom/iu), there is an OsmoMSC, i.e. an OsmoNITB without a BSC, that talks to luCS and has code stubs to add an A-interface, which will talk to the BSC. This OsmoMSC will become the new main circuit-switched solution from Osmocom. For now it can only do 3G.

#6 - 03/13/2017 12:14 AM - neels

- Has duplicate Feature #1594: Split of BSC part from CoreNITB part added

#7 - 04/20/2017 09:16 AM - msuraev

- Related to Feature #2017: Cleanup deprecated, make breaking changes for BSC/MSC split added

#8 - 05/15/2017 01:51 PM - neels

The AoIP developments by dexter are progressing well, we may soon have a complete OsmoMSC, i.e. one that works for both 3G and 2G and allows us to split MSC and BSC for good.

#9 - 05/24/2017 01:39 PM - neels

- Related to Feature #1712: 3G Voice added

#10 - 07/03/2017 11:52 AM - neels

- Related to Bug #2276: Make sure A and lu can run alongside each other. added

#11 - 07/13/2017 08:32 PM - neels

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

Splitting into separate repositories is ongoing. The code itself is pretty much separated, and the remaining bits will be inherently taken care of by the issue about separate repositories: [#2257](#)

#12 - 08/08/2017 07:06 PM - laforge

- Status changed from Resolved to Closed