

OsmoBTS - Bug #2790

dynamic timeslots: failure when all TS are used as PDCH and the phone requests a TCH

12/28/2017 09:58 PM - neels

Status: Rejected	Start date: 12/28/2017
Priority: High	Due date:
Assignee: neels	% Done: 0%
Category:	
Target version:	
Spec Reference:	
Description If a phone requests a TCH channel from OsmoBTS, but all dyn timeslots are used as PDCH, the MS gets rejected completely. OsmoBTS should probably assign an SDCCH if no TCH are available, so that the MSC can then request a TCH from the BSC and trigger a change from PDCH to TCH. There is a "paging any use tch (0 1)", so there could be a similar policy decision to assign an SDCCH instead of a TCH ... ? As long as this is not fixed, it may be impossible for MS to dial numbers.	
Related issues: Related to OsmoBSC - Feature #1606: hand-over for load distribution among BTSs In Progress 02/23/2016	

History

#1 - 01/04/2018 10:43 AM - laforge

- Assignee set to dexter

#2 - 01/04/2018 10:43 AM - laforge

#3 - 01/07/2018 04:07 PM - neels

Note that the handover code from jolly that I'm working on has changes in this direction, so it would make sense to talk about this before implementing, or also re-assign to me ... [#1606](#)

#4 - 01/07/2018 04:08 PM - neels

- Related to Feature #1606: hand-over for load distribution among BTSs added

#5 - 04/04/2018 09:53 AM - laforge

I'm not sure if this is an issue anymore, it needs to be investigated (and possibly get a test case?). With the current code base we should always do late assignment, even if the MS requests a TCH in RACH...

#6 - 06/18/2018 07:17 AM - dexter

- Status changed from New to Feedback

- Assignee changed from dexter to neels

@Neels, can you give me some feedback on this. Is this still relevant?

#7 - 07/04/2018 12:57 PM - laforge

- Priority changed from Normal to High

[neels](#) ping? Would be good to give [dexter](#) his requested feedback

#8 - 07/05/2018 11:16 AM - neels

- *Status changed from Feedback to Rejected*

ah yes, sorry for the delay.

Ok, so, quick recap to think about it:

- when MS requests a channel, even if it is TCH, OsmoBSC always assigns an SDCCH first as long as it is available.
- when no SDCCH are left, the upcoming refactored OsmoBSC will pick a TCH instead. The new timeslot and lchan FSMs will make sure that the dyn TS is switched from PDCH first, if required.

So, yeah, this should actually not be a problem anymore.