

OsmoBSC - Feature #3486

handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell

08/20/2018 12:23 PM - neels

Status: New	Start date: 08/20/2018
Priority: Low	Due date:
Assignee:	% Done: 0%
Category: Handover	
Target version:	
Spec Reference:	
Description If a TCH kind on a cell is congested (below min-free-tch-X threshold), we can either re-assign to another TCH kind on the same cell, or handover to another cell and keep the same TCH kind. <ul style="list-style-type: none">• is the neighbor cell's rxlev acceptable?• will it cause congestion on the neighbor?• how about inter-BSC handover? This is a complex tradeoff decision which deserves some head cracking on. Look at and test current implementation (handover_decision_2.c) and see if it can be improved / configured in a useful way.	
Related issues:	
Related to OsmoBSC - Feature #1608: various handover improvements, meta-issue	Rejected 02/23/2016
Related to OsmoBSC - Feature #3638: handover decision 2: load balancing across...	New 10/09/2018

History

#1 - 08/20/2018 12:23 PM - neels

- Related to Feature #1608: various handover improvements, meta-issue added

#2 - 10/09/2018 02:58 AM - neels

- Related to Feature #3638: handover decision 2: load balancing across BSS added

#3 - 10/09/2018 03:01 AM - neels

The first way to go is to avoid inter-BSC handover as long as possible; only if the rxlev/ta drop past tolerable levels and a neighbor-BSS is better than a local cell.

I'm not sure anymore whether this issue is worth considering past the approach described in [#3686](#). we should probably always consider inter-BSC handover as the very last option before calls get dropped.

#4 - 10/16/2018 01:16 PM - neels

- Category set to Handover