

OsmoBSC - Feature #3482

handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start

08/20/2018 11:55 AM - neels

Status: New	Start date: 08/20/2018
Priority: Low	Due date:
Assignee:	% Done: 0%
Category: Handover	
Target version:	
Spec Reference:	
Description For example, a call gets established and gets assigned a TCH/F, which would then reduce the amount of free tch-f lchans below the min-free-tch-f setting. If the cell config is such that the next congestion check would immediately re-assign the lchan to TCH/H within the same cell, then rather assign a TCH/H in the first place. Same goes for the reverse TCH kinds: avoid assigning TCH/H that would move to TCH/F upon first congestion check. This requires a new code path into handover decision during handling of BSSMAP Assignment Request. <ul style="list-style-type: none">• is the new lchan causing congestion? (check min-free-tch-X)• if it would cause congestion and another tch kind would not, suggest a different lchan.• if this lchan's codec is allowed by the MSC, BSC and MS, use that right from the start. Maybe this can be abstracted as a handover decision API, where any handover decision implementation can suggest more optimal lchan choices for first assignment.	
Related issues: Related to OsmoBSC - Feature #1608: various handover improvements, meta-issue Rejected 02/23/2016	

History

#1 - 08/20/2018 11:55 AM - neels

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

#2 - 10/16/2018 01:15 PM - neels

- Category set to Handover