

OsmoPCU - Bug #1532

Increased number of poll timeouts on shared PDCHs

02/22/2016 09:06 PM - zecke

Status:	New	Start date:	02/22/2016
Priority:	Low	Due date:	
Assignee:	sysmocom	% Done:	0%
Category:			
Target version:			
Spec Reference:			
Description			
<p>**There seems to be an increased number of poll timeouts if TBFs share a single PDCH in comparison to completely separated TBFs (no common PDCH). Interestingly there haven't been any SBA timeouts (at least I did not see any in the statistics I have looked at so far).</p> <p>The MS recover without problems, at least when using 2 MS only. This might be different with a large number of MS and an increased probability for collisions.</p> <p>It might be a frame usage/allocation issue, e.g. 2 MS sending frames simultaneously.</p> <p>More testing and analysis is needed.</p> <pre>Osmo-PCU> show bts statistics BTS Statistics: TBF DL Allocated : 13 (0/s 0/m 0/h 0/d) TBF DL Freed : 12 (0/s 0/m 0/h 0/d) TBF UL Allocated : 363 (0/s 0/m 0/h 0/d) TBF UL Freed : 363 (0/s 0/m 0/h 0/d) TBF Reused : 1 (0/s 0/m 0/h 0/d) RLC Sent : 36706 (0/s 0/m 0/h 0/d) RLC Resent : 10385 (0/s 0/m 0/h 0/d) RLC Restarted : 4304 (0/s 0/m 0/h 0/d) RLC Stalled : 93 (0/s 0/m 0/h 0/d) RLC Naked : 40 (0/s 0/m 0/h 0/d) RLC Assign Timeout : 8 (0/s 0/m 0/h 0/d) <<< RLC Ack Timeout : 63 (0/s 0/m 0/h 0/d) <<< RLC Release Timeout : 0 (0/s 0/m 0/h 0/d) Decode Errors : 0 (0/s 0/m 0/h 0/d) SBA Allocated : 8 (0/s 0/m 0/h 0/d) SBA Freed : 8 (0/s 0/m 0/h 0/d) SBA Timeout : 0 (0/s 0/m 0/h 0/d) <<< Timedout Frames : 3 (0/s 0/m 0/h 0/d) Dropped Frames : 3 (0/s 0/m 0/h 0/d) Scheduled Frames : 2782 (0/s 0/m 0/h 0/d) RACH requests : 8 (0/s 0/m 0/h 0/d)</pre>			
Related issues:			
Related to OsmoPCU - Bug #1524: PACCH on the wrong timeslot		Stalled	02/22/2016

History

#1 - 02/22/2016 09:06 PM - zecke

From Jacob:

This has improved, but there are still poll timeouts which are not fully understood.
Possible explanations

- PACCH mismatch
- ???

The number of poll timeouts seem to increase if much logging output is enabled.

#2 - 01/17/2018 11:31 AM - msuraev

- Related to Bug #1524: PACCH on the wrong timeslot added

#3 - 03/01/2018 11:16 PM - laforge

- Assignee deleted (msuraev)

#4 - 03/03/2018 09:45 PM - laforge

- Assignee set to sysmocom