

OsmoPCU - Bug #1654

KPIs for OsmoPCU

03/11/2016 09:50 AM - laforge

Status: Closed	Start date: 03/11/2016
Priority: Normal	Due date:
Assignee: lynxis	% Done: 100%
Category:	
Target version:	
Spec Reference:	
Description <ul style="list-style-type: none">• TBF establishment success rate (%) = missing it's 100 % because those can not fail• TBF completion rate (%) = $1 - (\text{tbf.dl.aborted} + \text{tbf.ul.aborted}) / (\text{tbf.dl.alloc} + \text{tbf.ul.alloc})$• GPRS DL and UL (for GPRS)<ul style="list-style-type: none">◦ overall throughput (kbps) = $\text{rlc.dl_bytes} + \text{rlc.ul_bytes}$◦ TBF attempts (number) = $\text{tbf.dl.alloc} + \text{tbf.ul.alloc}$◦ payload throughput (kbps) = $\text{rlc.dl_payload_bytes} + \text{rlc.ul_payload_bytes}$◦ radio block utilization (%) = $(1 - (\text{rlc.sent_dummy} / \text{rlc.sent}))$ g85 <p>EGRPS counters moved to a separate ticket #1766</p>	
Related issues:	
Related to Cellular Network Infrastructure - Bug #1652: Expose statistics / K...	New 03/11/2016
Related to OsmoPCU - Bug #1766: KPIs for OsmoPCU: EGPRS	In Progress 07/05/2016

History

#1 - 03/11/2016 09:50 AM - laforge

- Related to Bug #1652: Expose statistics / KPIs programmatically added

#2 - 05/10/2016 11:47 AM - laforge

- Assignee set to lynxis

#3 - 05/16/2016 03:38 PM - lynxis

- Status changed from New to In Progress

#4 - 05/17/2016 10:42 AM - laforge

laforge wrote:

- GPRS DL and UL (for GPRS and EGPRS separately)
 - overall throughput (kbps)

as determined on the layer boundary between MAC and PHY, i.e. all bits that are not padding bits

- payload throughput (kbps)

payload == LLC frame including LLC header, excluding RLC/MAC headers

- radio block utilization (%)

at boundary between PCU and PHY socket (or OsmoBTS socket), where ready-to-send requests are being responded.

#5 - 05/21/2016 06:02 PM - lynxis

- radio block utilization (%)

determined by rlc_sent_dummy and rlc_sent packages.

#6 - 05/21/2016 06:04 PM - lynxis

- *Description updated*

#7 - 05/31/2016 11:51 AM - lynxis

see <https://gerrit.osmocom.org/#/q/topic:pcu-kpi> for related commits.

#8 - 06/27/2016 03:46 PM - lynxis

- *Description updated*

#9 - 06/27/2016 03:58 PM - lynxis

- when can a TBF alloc fail? is this even possible (for osmopcu)?

#10 - 07/05/2016 09:27 AM - lynxis

- *Description updated*

#11 - 07/05/2016 09:45 AM - lynxis

- *% Done changed from 0 to 90*

#12 - 07/05/2016 10:18 AM - lynxis

- *Description updated*

#13 - 07/05/2016 10:19 AM - lynxis

- *Related to Bug #1766: KPIs for OsmoPCU: EGPRS added*

#14 - 07/05/2016 10:21 AM - lynxis

- *% Done changed from 90 to 100*

#15 - 07/05/2016 11:50 AM - lynxis

- *Status changed from In Progress to Resolved*

#16 - 07/12/2016 05:14 PM - laforge

- *Status changed from Resolved to Closed*