

OsmoPCU - Bug #2455

MS will not be able to use data service if we let the MS idle about 30 seconds after PDP context activated

08/21/2017 01:50 PM - mqng2

Status:	New	Start date:	08/21/2017
Priority:	Normal	Due date:	
Assignee:	lynxis	% Done:	0%
Category:			
Target version:			
Spec Reference:			
Description			
<p>I have seen an issue with the Lenovo A916 smartphone when using osmo-pcu from HEAD of master branch (37e4c43a8d9a9b5e64a7dd19c5877d302b7887ac) in LC15 target.</p> <p>If the phone does not use Internet right after PDP context ACT, the phone will be unable to use the Internet. It is also applied in case the phone waits for an amount of time after a first Web page loaded 100%</p> <p>The PCU onfiguration is in below text:</p> <p>Osmo-PCU# Osmo-PCU# show running-config</p> <p>Current configuration: ! ! log stderr logging filter all 1 logging color 1 logging print category 0 logging timestamp 0 logging level all everything logging level cs1 info logging level l1if info logging level rlc mac info logging level rlc macdata notice logging level rlc macdl info logging level rlc macul debug logging level rlc macsched info logging level rlc macmeas info logging level ns info logging level bssgp info logging level pcu info logging level lglobal notice logging level llapd notice logging level linp notice logging level lmux notice logging level lmi notice logging level lmib notice logging level lsms notice logging level lctrl notice logging level lgtp notice logging level lstats notice logging level lgsup notice logging level loap notice logging level lss7 notice logging level lscpp notice logging level lsua notice logging level lm3ua notice logging level lmgcp notice !</p>			

```
stats interval 5
!  
line vty  
no login  
!  
ns  
timer tns-block 3  
timer tns-block-retries 3  
timer tns-reset 3  
timer tns-reset-retries 3  
timer tns-test 30  
timer tns-alive 3  
timer tns-alive-retries 10  
encapsulation udp local-port 23001  
encapsulation framerelay-gre enabled 0  
pcu  
egprs only  
flow-control-interval 10  
flow-control force-bvc-bucket-size 596000  
flow-control force-bvc-leak-rate 59600  
flow-control force-ms-bucket-size 596000  
flow-control force-ms-leak-rate 59600  
cs 4  
cs max 4  
no cs threshold  
no cs downgrade-threshold  
cs link-quality-ranges cs1 6 cs2 5 8 cs3 7 13 cs4 12  
mcs link-quality-ranges mcs1 6 mcs2 5 8 mcs3 7 13 mcs4 12 15 mcs5 14 17 mcs6 16 18 mcs7 17 20 mcs8 19 24 mcs9 23  
mcs 9  
mcs max 9  
window-size 64 104  
queue lifetime infinite  
queue idle-ack-delay 10  
no queue codel  
alloc-algorithm b  
two-phase-access  
alpha 0  
gamma 0  
dl-tbf-idle-time 2000  
end  
Osmo-PCU#
```

I have also attached pcap and pcu log with activated debug flags for BSSGP, RLCMAC, RLCMACDL and RLCMACUL for investigation.

Related issues:

Related to OsmoGSMTester - Bug #3678: osmo-gsm-tester: add test case: resume ...	Resolved	10/30/2018
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History

#1 - 03/03/2018 09:45 PM - laforge

- Assignee set to *sysmocom*

#2 - 10/02/2018 03:43 PM - laforge

#3 - 10/17/2018 09:48 AM - laforge

- Assignee changed from *sysmocom* to *msuraev*

#4 - 10/30/2018 01:43 PM - msuraev

- Related to Bug #3678: osmo-gsm-tester: add test case: resume GPRS use after idling added

#5 - 03/26/2019 01:19 PM - msuraev

I was unable to reproduce this locally or in osmo-gsm-tester (see related ticket). Could it be that this was accidentally fixed by some change in a meantime?

#6 - 04/15/2019 07:49 AM - laforge

- Assignee changed from msuraev to lynxis

Files

pcu-putty.log	1.95 MB	08/21/2017	mqng2
ms-data-service-unusable-after-pdp-act.pcap	2.28 MB	08/21/2017	mqng2