

OsmoSGSN - Bug #3908

"PS Activation" takes long time - missing lu-Release Command after Attach Complete

04/07/2019 01:39 PM - efistokl

Status:	Resolved	Start date:	04/07/2019
Priority:	Normal	Due date:	
Assignee:	laforge	% Done:	100%
Category:	lu interface		
Target version:			
Spec Reference:			
Description			
<p>I've noticed that it takes around 10 seconds for PS to work after a phone becomes registered on the network. Basically, the phone waited for 10 seconds after Attach Complete message and then sent lu-ReleaseRequest and only then Service Request. (after lu-Release completion)</p> <p>If I send the lu-ReleaseCommand (diff file sgsn-iu-release-after-attach-complete.diff, applied to 1.4.0) upon receiving Attach Complete message then the phone sends Service Request right away after lu-Release completion.</p> <p>RANAP trace without the fix - without-fix.pcap (Attach Complete - packet # 73 - there you see around 10s delay betweenand the phone sending lu-ReleaseRequest)</p> <p>RANAP trace with the fix - with-fix.pcap (Attach Complete - packet # 43)</p>			
Related issues:			
Related to OsmoSGSN - Bug #1818: luPS: CN should lu Release in certain situat...		New	10/12/2016

History

#1 - 04/09/2019 11:17 AM - laforge

- Status changed from New to Resolved
- Assignee set to laforge
- % Done changed from 0 to 100

See <https://gerrit.osmocom.org/#/c/osmo-sgsn/+13544/> for a patch that was just merged. MAYbe not the most elegant solution, but works for now.

#2 - 04/09/2019 11:26 AM - laforge

- Related to Bug #1818: luPS: CN should lu Release in certain situations added

#3 - 05/03/2019 12:01 AM - laforge

FYI: This is incomplete because it

1. doesn't wait for an lu-ReleaseComplete from the RNC
2. doesn't actually close the SCCP connection

See [#1818#note-14](#) for some more details and spec references

Files

sgsn-iu-release-after-attach-complete.diff	546 Bytes	04/07/2019	efistokl
without-fix.pcap	18.2 KB	04/07/2019	efistokl
with-fix.pcap	19.3 KB	04/07/2019	efistokl