

libosmoco - Bug #3388

NS-RESET / NS-UNBLOCK / NS-BLOCK are not specified over IP/UDP

07/06/2018 04:10 PM - laforge

Status:	New	Start date:	07/06/2018
Priority:	Normal	Due date:	
Assignee:	laforge	% Done:	0%
Category:	libosmognb		
Target version:			
Spec Reference:			
Description			
According to (at least) Release 6 of TS 48.016, the NS-RESET, NS-UNBLOCK and NS-BLOCK procedures are not to be used over an IP bearer , i.e. they are only for Frame Relay.			
Historically, we implemented our Gb implementation for OsmoSGSN in order to interoperate with nanoBTSs. So ip.access appears to have been in violation of above spec, or earlier releases of TS 48.016 still allow or even require those procedures even over IP.			
So if we want our implementations (OsmoPCU, osmo-gbproxy, OsmoSGSN) to interoperate with 3GPP (at least Rel6+) compliant other implementations, we need to be able to disable those procedures based on configuration. This way, we can disable it as needed.			
Interestingly, our implementation (using RESET/UNBLOCK) works e.g. with the Quortus SGSN ;). On the Other Hand, some modern Ericsson SGSN/S-GW apparently outright rejects the NS-RESET sent by libosmognb.			
Related issues:			
Related to OsmoSGSN - Feature #3373: Support for SNS auto-configuration (SIZE...		Stalled	07/01/2018

History

#1 - 07/06/2018 04:11 PM - laforge

- Related to Feature #3373: Support for SNS auto-configuration (SIZE / SNS-CONFIG procedure) added

#2 - 08/08/2018 02:26 PM - laforge

#3 - 09/30/2018 08:38 AM - laforge

#4 - 10/02/2018 05:07 PM - laforge

- Assignee set to laforge

#6 - 02/23/2019 02:37 PM - laforge

With the changes introduced by [#3372](#), we now at least on the BSS side implement a Gb dialect that's fully compliant, doesn't use RESET/BLOCK/UNBLOCK and includes the IP-SNS.

However, we don't support any of that on the SGSN side, see [#3373](#). So let's keep this issue here open as a reminder