

OsmoMSC - Feature #1603

Interfacing the MSC with other networks: Roaming interfaces / MAP

02/23/2016 03:57 PM - laforge

Status:	New	Start date:	02/23/2016
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:			
Target version:			
Resolution:		Spec Reference:	
Description			
<p>The classic Osmo{BSC,BTS,PCU,SGSN,NITB} etc. projects have no direct interface to SS7, SIGTRAN, TCAP, MAP or CAP.</p> <p>At the same time we have plenty of projects in various states of maturity for the core network side, including independent TCAP/MAP implementations written in Smalltalk and Erlang, as well as simple core network elements like HLR/AUC.</p> <p>In order to keep the TCAP/MAP/SCCP complexity away from the C language Osmo* components, we came up with the strategy to implement simpler protocols/interfaces on the same level of the interface. One such step can be seen with the GSUP protocol in OsmoSGSN, which can be proxied to a real MAP protocol for InsertSubscriber and SendAuthenticationInfo towards a real HLR.</p> <p>No such interfaces for the NITB have been developed yet. The question is how realistic it is to operate a real core network on this basis. The NITB as it is will not likely receive a gsmSSF required for CAMEL, and most real/public telecom networks today require full CAMEL support for accepting inbound prepaid roaming subscribers.</p> <p>Would a NITB with MAP gateway make sense without a gsmSSF/smsSSF?</p>			

History

#1 - 02/23/2016 03:57 PM - laforge

- Tracker changed from Bug to Feature

#2 - 12/10/2017 08:05 PM - laforge

- Project changed from OsmoNITB to OsmoMSC

- Subject changed from Interfacing the NITB with other networks: Roaming interfaces / MAP to Interfacing the MSC with other networks: Roaming interfaces / MAP

#3 - 07/18/2019 06:13 AM - laforge

- Priority changed from Normal to Low