Cellular Network Infrastructure - Feature #3142

Further simplification of "NITB like" setups

04/05/2018 08:09 PM - laforge

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Assignee:	Osmocom CNI Developers		**% Done:**	0%
Category:				
Target version:				
Spec Reference:				

Description

Running the post-NITB network is quite a lot more complex than the old code.

There are some ideas on how to make it simpler to run small, self-contained networks while removing some complexity

- I was also wondering if we should spend time on "MGW-less operation". In theory, you only need OsmoMGW if you have no IP-level routing between your Abis / A / core network [like any decent network operator for security reasons]. But then, if you run everything on one machine, and don't need/want transcoding, and have transparent routing between all components, we could do without the MGW.

- stp-less operation should also be possible (but make configuration actually more complicated), as both the "ASP" (client) and "SG" (server) role are inside libosmo-sigtran, and hence the server could run inside the MSC without the need of an external stp (osmo-stp is just a thin wrapper with vty around libosmo-sigtran)

Let's keep this as a reminder and create sub-tasks as ideas materialize more