

OsmoMGW - Feature #2547

Add E1/T1 endpoint type to osmo-mgw

10/06/2017 12:35 PM - laforge

Status: New	Start date: 10/06/2017
Priority: High	Due date:
Assignee: laforge	% Done: 0%
Category:	
Target version:	
Description	
Contrary to OsmoNITB, OsmoBSC has no user plane / voice handling inside it. Rather, all media/voice handling is done inside osmo-mgw.	
We will not be able to support classic E1/T1 BTSs from OsmoBSC unless we're able to support E1/T1 endpoints in osmo-mgw. So let's implement them. We'll at minimum need endpoint types for 16kbit sub-slots with TRAU frames (voice calls).	
TBD is the details on how the signaling is handled. We could possibly open signaling slots directly from the BSC (via libosmo-abis/e1_input), or we could have osmo-mgw open those slots and convert the HDLC payload / LAPD into something that can be transported over IP to osmo-bsc. This is related but a separate ticket.	
Related issues:	
Related to OsmoBSC - Feature #2548: Add support for E1/T1 based BTSs to OsmoBSC	New 10/06/2017
Related to E1/T1 Hardware Interface - Feature #3965: ICE40 based USB E1 adapter	In Progress 04/30/2019
Related to OsmoMGW - Feature #2659: prepare osmo-mgw architecture for other e...	New 11/18/2017

History

#1 - 10/06/2017 12:38 PM - laforge

- Related to Feature #2548: Add support for E1/T1 based BTSs to OsmoBSC added

#2 - 10/29/2017 06:51 PM - laforge

- Priority changed from Normal to Low

#3 - 04/29/2018 08:45 AM - laforge

- Priority changed from Low to High

#4 - 05/30/2018 02:56 PM - laforge

- Tags set to E1

#5 - 04/30/2019 09:33 AM - laforge

- Related to Feature #3965: ICE40 based USB E1 adapter added

#6 - 07/18/2019 05:08 AM - laforge

- Related to Feature #2659: prepare osmo-mgw architecture for other endpoint types added

#7 - 09/04/2019 09:06 AM - laforge