

OsmoBTS - Bug #3254

OsmoBTS doesn't reject RSL CHAN ACT for unsupported ciphers

05/09/2018 05:52 PM - laforge

Status: Resolved	Start date: 05/09/2018
Priority: High	Due date:
Assignee: laforge	% Done: 100%
Category:	
Target version:	
Spec Reference:	
Description	
When using an unsupported cipher, the RSL CHAN ACT should result in a RSL CHAN ACT NACK due to the unsupported cipher. However, OsmoBTS instead simply acknowledges the channel activation and activates the channel with A5/0. This is actually the underlying cause of #3253	
Related issues:	
Related to OsmoBTS - Bug #3253: osmo-bts-trx doesn't enable A5/3	Resolved 05/09/2018

History

#1 - 05/09/2018 05:52 PM - laforge

- Related to Bug #3253: osmo-bts-trx doesn't enable A5/3 added

#2 - 05/09/2018 05:55 PM - laforge

- % Done changed from 0 to 30

The problem is `encr_info2lchan()` which uses `bts_supports_cipher()` to determine if the cipher is supported. However, if `bts_supports_cipher()` returns 0 (not supported), it uses this value as return value of `encr_info2lchan()` where '0' means success (standard osmocom convention). This results in channel activation proceeding, which it shouldn't.

#3 - 05/09/2018 06:15 PM - laforge

- Status changed from New to In Progress

- % Done changed from 30 to 80

see patches <https://gerrit.osmocom.org/8091> + <https://gerrit.osmocom.org/8092>

#4 - 05/10/2018 06:59 PM - laforge

- Status changed from In Progress to Resolved

- % Done changed from 80 to 100