

OsmoBSC - Bug #3333

Ichan release may stall indefinitely

06/11/2018 03:54 PM - laforge

Status:	Resolved	Start date:	06/11/2018
Priority:	Normal	Due date:	
Assignee:	neels	% Done:	100%
Category:	A-bis RSL		
Target version:			
Spec Reference:			

Description

When the MSC hard-releases the SCCP connection, we terminate the bsc_subscr_conn_fsm, which calls lchan_release(conn->lchan, 0, RSL_REL_LOCAL_END); from the fsm cleanup call-back.

That in turn causes a RLL_REL_REQ to be transmitted. However, if the MS never responds to that (out of reach, power-cycle, ...) there appears to be no timer running which would proceed with sending an RSL RF CHAN REL to actually release the channel.

This is currently triggered by TC_bssap_rlsd_does_not_cause_bssmap_reset involuntarily, as it tries to allocate 8 SDCCH.

Attaching a pcap file.

I'll add a dedicated test for this behavior.

History

#1 - 06/11/2018 05:24 PM - laforge

New test provoking this problem is in <https://gerrit.osmocom.org/#/c/osmo-ttcn3-hacks/+9548>

Assigned to [neels](#) as his existing work on lchan FSM will likely solve this bug.

#2 - 07/16/2018 02:28 PM - neels

- Status changed from New to In Progress

- % Done changed from 0 to 90

is solved on branch neels/inter-bsc-ho (ttcn3 test passes), as part of the "large refactoring" lchan FSMs

#3 - 08/20/2018 03:20 PM - neels

- Status changed from In Progress to Resolved

- % Done changed from 90 to 100

in the new lchan FSM merged to osmo-bsc master, the lchan release will no longer stall, since we have FSM state timeouts now.

Files

20180611-lchan_rel.pcap	1.67 KB	06/11/2018	laforge
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