

## OsmoBSC - Bug #3333

### Ichan release may stall indefinitely

06/11/2018 03:54 PM - laforge

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

#### 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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