

OsmoBSC - Bug #3942

ttcn3-bsc-test handover tests receive unexpected CRCX

04/18/2019 04:57 PM - daniel

Status:	Resolved	Start date:	04/18/2019
Priority:	High	Due date:	
Assignee:	daniel	% Done:	100%
Category:			
Target version:			
Spec Reference:			
Description			

History

#1 - 04/18/2019 05:45 PM - daniel

- Subject changed from *ttcn3-bsc-test handover tests are failin* to *ttcn3-bsc-test handover tests receive unexpected CRCX*

- Status changed from *New* to *In Progress*

- Assignee set to *daniel*

- Priority changed from *Normal* to *High*

```
Couldn't find Expect for CRCX{ line := { verb := "CRCX", trans_id := "226", ep := "rtpbridge/*@mgw", ver := "1.0" }, params := { { code := "C", val := "4" }, { code := "M", val := "sendrecv" } }, sdp := { protocol_version := 0, origin := { user_name := "-", session_id := "4", session_version := "23", net_type := "IN", addr_type := "IP4", addr := "172.18.2.20" }, session_name := "-", information := omit, uri := omit, emails := omit, phone_numbers := omit, connection := { net_type := "IN", addr_type := "IP4", conn_addr := { addr := "1.2.3.4", ttl := omit, num_of_addr := omit } }, bandwidth := omit, times := { { time_field := { start_time := "0", stop_time := "0" }, time_repeat := omit } }, timezone_adjustments := omit, key := omit, attributes := omit, media_list := { { media_field := { media := "audio", ports := { port_number := 2342, num_of_ports := omit }, transport := "RTP/AVP", fmts := { "3" } }, information := omit, connections := omit, bandwidth := omit, key := omit, attributes := { { ptime := { attr_value := "20" } } } } } }
```

```
BSC_Tests.ttcn:4044 BSC_Tests control part
```

```
BSC_Tests.ttcn:3326 TC_ho_in_fail_msc_clears_after_ho_detect testcase
```

It seems osmo-bsc sends a second CRCX:

Compare pcap files around packets 75-85:

https://jenkins.osmocom.org/jenkins/view/TTCN3/job/ttcn3-bsc-test/562/artifact/logs/bsc-tester/BSC_Tests.TC_ho_in_fail_msc_clears_after_ho_detect.pcap

and

https://jenkins.osmocom.org/jenkins/view/TTCN3/job/ttcn3-bsc-test/568/artifact/logs/bsc-tester/BSC_Tests.TC_ho_in_fail_msc_clears_after_ho_detect.pcap

#2 - 04/18/2019 05:46 PM - daniel

- % Done changed from *0* to *50*

After fixing an issue in the bisect script it seems that the culprit is

```
commit 94c9324fe07cd0ba1277278270c8979d949e49ec
```

```
Author: Neels Hofmeyr <neels@hofmeyr.de>
```

```
Date: Thu Mar 14 04:36:40 2019 +0100
```

```
fix inter-BSC-HO-incoming for AoIP (1/2)
```

```
Move the HO_ST_WAIT_MGW_ENDPOINT_TO_MSC state up to right after the lchan is done establishing. For AoIP, the local RTP address towards the MSC already needs to be known before the Handover Request Acknowledge is sent, so the AoIP Transport Layer Address IE can be included. This patch only modifies the handover FSM, a subsequent patch adds the IE.
```

```
Change-Id: I4a5acdb2d4a0b947cc0c62067a67be88a3d467ff
```

Resetting at least fixes TC_ho_in_fail_no_detect, probably the others as well

#3 - 04/30/2019 01:23 AM - daniel

- *Status changed from In Progress to Resolved*

- *% Done changed from 50 to 100*

The patch in question is reverted for now and the tests are passing again.