libosmocore - Bug #4920

BSSGP does not wait after BVC Reset timeout

12/21/2020 02:00 PM - daniel

Status: Rejected
Priority: Normal
Assignee: lynxis
Category: libosmogb
Target version: Spec Reference:

Description
The first time a BVC Reset times out we wait a couple seconds, but after sending the second BVC Reset all other Resets are sent directly after another without waiting.

Associated revisions
Revision 82a35a1d - 07/23/2020 12:24 PM - pespin

bts-trx: Fix osmocom dyn ts assert hit during Adm State Unlock

How to reproduce:

- Configure a TS to be TCH/F_TCH/H_PDCH in osmo-bsc.cfg
- Run the network with osmo-bts-trx, then use osmo-bsc's "rf_locked 1"
- Then, unlock it: "rf_locked 0"
- The following assert will be hit:

```
Assert failed ts->dyn.pchan_is == ts->dyn.pchan.want /osmo-bts/src/osmo-bts-trx/l1_if.c:349
```

```
(gdb) bt
#0 0x00007fffffffbb9355 in raise () from /usr/lib/libc.so.6
#1 0x00007fffffffba2853 in abort () from /usr/lib/libc.so.6
#2 0x00007fffffff6832361 in osmo_panic_default (fmt=0x5555555814e60 "Assert failed %s %s:%d
args=0x7ffffffffc6e0)
at /libosmocore/src/panic.c:49
#3 0x00007fffffff683249d in osmo_panic (fmt=0x5555555814e60 "Assert failed %s %s:%d"
) at /libosmocore/src/panic.c:84
#4 0x0000555555570df7 in trx_set_ts (ts=0x7fffff1e6bce8)
at /osmo-bts/src/osmo-bts-trx/l1_if.c:349
#5 0x000055555557133c1 in bts_model_chg_adm_state (bts=0x627000000160,
mo=0x7fffff1e0f8a0, obj=0x7fffff1e0f860, adm_state=2 '002')
at /osmo-bts/src/osmo-bts-trx/l1_if.c:681
#6 0x00005555555769978 in oml_rx_chg_adm_state (bts=0x627000000160,
msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1044
#7 0x0000555555576a8d3 in down_form (bts=0x627000000160, msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1129
#8 0x00005555555770aed in down_oml (bts=0x627000000160, msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1476
#9 0x0000555555578174 in sign_link_cb (msg=0x6330000003e0)
at /osmo-bts/src/common/abis.c:188
#10 0x00007fffffff7bb9355 in ipaccess_bts_read_cb (link=0x6120000003a0,
--Type <RET> for more, q to quit, c to continue without paging--
msg=0x6330000003e0)
at /libosmocore/src/input/ipaccess.c:980
#11 0x00007fffffff73a1060 in ipa_client_read (link=0x6120000003a0)
at /libosmocore/src/input/ipa.c:72
#12 0x00007fffffff73a2458 in ipa_client_fd_cb (ofd=0x62f000038a50, what=1)
at /libosmocore/src/input/ipa.c:136
#13 0x00007fffffff7e867e7bfa7 in osmo_fd_disp_fds (_rset=0x7fffffffdda0,
_wset=0x7fffffffde0, _eset=0x7fffffffde0)
at /libosmocore/src/select.c:227
#14 0x00007fffffff7e867e38c in _osmo_select_main (polling=0)
at /libosmocore/src/select.c:265
#15 0x00007fffffff7e867e46b in osmo_select_main (polling=0)
at /libosmocore/src/select.c:274
#16 0x0000555555576f089 in bts_main (argc=7, argv=0x7fffffffff8e208)
at /osmo-bts/src/common/main.c:354
```
Related: OS#4920  
Change-Id: Ia3210e24b921fd0c67f77068b7e4a65f270cd11

History

#1 - 12/21/2020 05:34 PM - lynxis
- File bvc_reset_too_many.pcapng added
- Status changed from Feedback to New

#2 - 01/16/2021 07:16 PM - daniel
- Status changed from New to Rejected

I guess we can reject this issue since it's related to the SNS fixes you pushed?

Looking at the trace again I can't see any issue/multiple BVC-RESETs being sent. The BVC-RESET is rejected by the gbproxy with a STATUS (because sns was broken in this version). TTCN3 simply ignores that and continues resetting the ptp-bvcs which are also (rightly this time) rejected.

If you disagree please reopen.

Files

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<th>File</th>
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<th>Date</th>
<th>Author</th>
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<td>7.36 KB</td>
<td>12/21/2020</td>
<td>lynxis</td>
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