

## OsmoMSC - Feature #3103

### use a\_reset.c in osmo-msc

03/23/2018 01:29 PM - neels

<b>Status:</b> Resolved	<b>Start date:</b> 03/23/2018
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> dexter	<b>% Done:</b> 100%
<b>Category:</b>	
<b>Target version:</b>	
<b>Resolution:</b>	
<b>Description</b> The a_reset.c FSM is actually not used at all: a_reset_conn_fail() is never invoked. The proper trigger to invoke a_reset_conn_fail(): it was mentioned that specific N-Disconnect causes indicate a failure versus a normal disconnect. a_reset_conn_fail() should be invoked upon receiving such failure cause.	
<b>Related issues:</b>	
Related to OsmoBSC - Feature #3102: clean up and use a_reset.c in osmo-bsc	<b>Resolved</b> <b>03/23/2018</b>
Related to OsmoMSC - Bug #3286: TC_cr_before_reset fails since build #148 (Ma...	<b>Resolved</b> <b>05/23/2018</b>

### History

#### #1 - 03/23/2018 01:29 PM - neels

- Related to Feature #3102: clean up and use a\_reset.c in osmo-bsc added

#### #2 - 04/16/2018 08:12 PM - dexter

- Status changed from New to Rejected

This is basically the same as [#3102](#), so lets reject it.

#### #3 - 04/17/2018 12:18 PM - neels

- Status changed from Rejected to New

Sorry, it's not the same: the one is the a\_reset FSM in OsmoBSC, while this here is in OsmoMSC.  
True, both MSC and BSC currently kind of don't touch their a\_reset implementations in a similar way, but tracking each side should be separate, depending on what each side should be doing.

#### #4 - 04/23/2018 12:33 PM - dexter

[neels](#): Both parts were intended to be generalized and put in a library somehow. Maybe we should fix that. Possibly libosmo-sigtran is a good place?

#### #5 - 04/23/2018 01:24 PM - dexter

Note: Neels and me agree that it might make sense to send a reset immediately when there is some connection attempt from a BSC. Just blocking every connection attempts from not yet known BSCs until the BSC sends a reset is fine, however, responding with a reset to a connection attempt from an unknown BSC is better and it speeds up the process of re-negotiation.

#### #6 - 05/04/2018 10:28 AM - dexter

- Status changed from New to Resolved

I have checked the a\_iface.c. When we receive a connection request in sccp\_sap\_up() we lookup the BSC context information. If we can not find a context, we allocate a new one and we also send an BSSMAP RESET back immediately. This means this part works also as expected.

So if the MSC restarts and if we loose all context we will re-learn the context on the next connection attempt and send a reset immediately. I think we have no problem here.

#### #7 - 05/04/2018 11:40 AM - neels

- Status changed from Resolved to Feedback

Please clarify:

- is a\_reset.c currently used in osmo-msc?
- do we use the part of it designed to detect stale connections?
- Any actions required to get rid of dead code?

**#8 - 05/04/2018 12:14 PM - dexter**

- is a\_reset.c currently used in osmo-msc?  
Yes
- do we use the part of it designed to detect stale connections?  
No
- Any actions required to get rid of dead code?  
We have two options: We can remove the unused parts of the code locally or we move the whole FSM over to a library (but which one?). I think the first option would be the simplest and it would not hurt to much. I could do that now if you agree.

**#9 - 05/04/2018 12:15 PM - dexter**

- Assignee changed from dexter to neels

**#10 - 05/05/2018 07:41 PM - neels**

- Assignee changed from neels to dexter

dexter wrote:

- is a\_reset.c currently used in osmo-msc?  
Yes

ok. Which part? (I think you showed me before, but I forgot. We can discuss it personally next week. not urgent.)

- Any actions required to get rid of dead code?  
We can remove the unused parts of the code locally

yes, I don't think it's worth the trouble to move it around.

**#11 - 05/07/2018 10:39 AM - dexter**

- Assignee changed from dexter to neels

I have now stripped all unnecessary code, please see:

<https://gerrit.osmocom.org/8054> a\_reset: cleanup + remove dead code

**#12 - 05/07/2018 12:53 PM - neels**

- Assignee changed from neels to dexter

Ok, nice. Took the opportunity to read the rest of it again and added some general comments about the rest of the code at that same gerrit patch (even though it's not strictly related to that patch)

**#13 - 05/23/2018 04:42 PM - laforge**

- Related to Bug #3286: TC\_cr\_before\_reset fails since build #148 (May 16) added

**#14 - 05/28/2018 09:20 AM - dexter**

- Status changed from Feedback to Resolved

- % Done changed from 0 to 100

The patch (<https://gerrit.osmocom.org/8054>) is now merged and the cleanups to a\_reset.c are now done.