

OsmoMSC - Feature #1976

VLR / 3G: periodic LU expiry by T3212

03/09/2017 04:09 PM - neels

Status: Resolved	Start date: 03/09/2017
Priority: High	Due date:
Assignee: stsp	% Done: 0%
Category:	
Target version:	
Resolution:	
Description pre-VLR code had T3212 subscriber expiry if it missed a periodic LU. libvlr has stubs ready, but it is not yet enforced nor fully implemented. Add T3212 expiry with an msc_vlr_test_periodic_lu unit test (using fake time).	
Related issues: Related to OsmoNITB - Support #1922: comprehensive test of MSC subscriber con... Closed 01/18/2017	

History

#1 - 03/20/2017 12:52 PM - neels

- Related to Support #1922: comprehensive test of MSC subscriber connection and request handling added

#2 - 08/15/2017 05:39 PM - laforge

#3 - 12/10/2017 07:58 PM - laforge

- Project changed from OpenBSC to OsmoMSC

#4 - 02/20/2018 12:11 PM - laforge

- Assignee changed from neels to stsp

#5 - 02/25/2018 11:21 PM - neels

[stsp](#), ask me for pointers to get you started

#6 - 03/30/2018 08:10 PM - neels

Some pointers and related things to balance out in a nice (TM) implementation:

- We so far don't, but we should have a mechanism to cache unused auth tuples for a subscriber even past IMSI Detach.
(An idea to optimise lookups and iterate less subscribers for <insert action here> would be to keep inactive subscribers for which we merely cache auth tuples in a separate llist.)
- TS 23.012 2.4.2 "Implicit IMSI detach" describes periodic location updating timer
- TS 23.012 3.7.3 Extended periodic LAU Signalling (the possibility to send extended timers during Location Updating Accept)
- TS 23.012 4.3.2.1 "Process Detach_IMSI_VLR"
- Are we required to notify the HLR of an IMSI Detach? (not sure, so far we don't)

#7 - 03/30/2018 08:15 PM - neels

might be interesting as well:

- 23.018 8.3 Messages on the D interface (VLR-HLR)
- 24.008 4.3.4 IMSI detach procedure

#8 - 05/17/2018 08:42 AM - stsp

- *Status changed from New to In Progress*

#9 - 05/17/2018 09:39 AM - stsp

Initial implementation proposal at <https://gerrit.osmocom.org/#/c/osmo-misc/+9211>

#10 - 05/24/2018 01:20 PM - stsp

Can we close this ticket now? Some of neels' points remain unaddressed, but wouldn't it be more appropriate to file separate issues for these?

#11 - 05/24/2018 02:05 PM - neels

yes and yes

#12 - 05/29/2018 08:08 AM - stsp

- *Status changed from In Progress to Resolved*

Closing this issue.