

## OsmoMSC - Feature #3189

### make retrieval of IMEI configurable

04/19/2018 07:41 PM - neels

<b>Status:</b> Resolved	<b>Start date:</b> 04/19/2018
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b> osmith	<b>% Done:</b> 100%
<b>Category:</b>	
<b>Target version:</b>	
<b>Resolution:</b>	<b>Spec Reference:</b>
<b>Description</b> We already have flags that trigger retrieving of IMEI / IMEISV in the course of the VLR's FSMs. We also have unit tests that go through these scenarios and verify they work. What we still need is to switch them on: add vty config to set vlr_instance.cfg values: <ul style="list-style-type: none"><li>• check_imei_rqd</li><li>• retrieve_imeisv_early</li><li>• retrieve_imeisv_ciphered</li></ul>	
<b>Related issues:</b>	
Related to OsmoHLR - Feature #2541: have IMEI in HLR DB	<b>Resolved</b> 10/06/2017
Related to Cellular Network Infrastructure - Feature #3733: Send IMEI from MS...	<b>Resolved</b> 12/14/2018
Related to OsmoMSC - Feature #3755: make retrieval of IMEISV configurable	<b>New</b> 01/10/2019

### History

#### #1 - 04/19/2018 07:41 PM - neels

- Related to Feature #2541: have IMEI in HLR DB added

#### #2 - 06/23/2018 07:05 PM - laforge

- Priority changed from Normal to Low

#### #3 - 12/14/2018 11:07 AM - osmith

- Status changed from New to In Progress

- Assignee set to osmith

- % Done changed from 0 to 90

[#2541](#) depends on this, so I wrote a patch to implement it. I didn't know how to describe all of the parameters though.

<https://gerrit.osmocom.org/#/c/osmo-msc/+12302/>

I've tried to test it, but was unsuccessful:

- set "check-imei-rqd 1" in osmo-msc.cfg
- run the CN with a sysmoBTS connected
- run wireshark with filter set to: gsup
- connect a phone
- now I expected some check-imei-related messages to appear. But I only got the usual:

UpdateLocation Request  
InsertSubscriberData Request  
InsertSubscriberData Result  
UpdateLocation Result

[neels](#), [laforge](#): what does this mean, was my testing done wrong?

#### #4 - 12/14/2018 02:17 PM - osmith

- Related to Feature #3733: Send IMEI from MSC to HLR added

#### #5 - 12/14/2018 02:20 PM - osmith

Turns out, we don't send a GSUP message to the HLR/EIR yet (this explains my wireshark test results).

This issue should be complete with the submitted patch nevertheless, but we still need to fill in the missing descriptions.

**#6 - 01/09/2019 02:42 PM - osmith**

I've changed the patch to only enable check-imei-rqd, because that is the only option that is useful so far. It will send the IMEI to the HLR/EIR, as it has just been implemented in [#3733](#).

The other options are not that useful yet, they will ask the device for the IMEISV, but then do nothing with it. See neels' third reply here: [https://gerrit.osmocom.org/#/c/osmo-misc/+12302/1/src/libmmsc/msc\\_vty.c@448](https://gerrit.osmocom.org/#/c/osmo-misc/+12302/1/src/libmmsc/msc_vty.c@448)

The patch has been merged.

[neels](#): can we set this issue to resolved?

**#7 - 01/10/2019 02:41 PM - neels**

even though IMEISV is only stored in VLR, that part is not configurable yet, right?

We could split this issue: make this one ask for IMEI only and create a new one for IMEISV.

We could also just add vty config for IMEISV even if nothing is happening with it, and add IMEISV->HLR some other time.

**#8 - 01/10/2019 03:44 PM - osmith**

*- Related to Feature #3755: make retrieval of IMEISV configurable added*

**#9 - 01/10/2019 03:45 PM - osmith**

*- Subject changed from make retrieval of IMEI, IMEISV configurable to make retrieval of IMEI configurable*

*- Status changed from In Progress to Resolved*

*- % Done changed from 90 to 100*

even though IMEISV is only stored in VLR, that part is not configurable yet, right?

Right.

We could split this issue: make this one ask for IMEI only and create a new one for IMEISV.

Sounds good, done: [#3755](#).