

## OsmoPCU - Bug #4111

### BSSGP SUSPEND ACK with unknown BVCI=0

07/17/2019 01:03 PM - fixeria

<b>Status:</b> Resolved	<b>Start date:</b> 07/17/2019
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> fixeria	<b>% Done:</b> 100%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b>	
When a GPRS-attached MS initiates a circuit-switched service (e.g. SS/USSD or SMS), OsmoSGSN logs the following:	
DBSSGP NOTICE gprs_bssgp.c:556 BSSGP BVCI=0 Rx BVC STATUS, cause=Unknown BVCI	
DBSSGP ERROR gprs_bssgp.c:563 BSSGP BVCI=0 Rx STATUS cause=Unknown BVCI missing conditional BVCI I E	
As far as I understand, OsmoPCU sends BSSGP SUSPEND (BVCI=0) to OsmoSGSN, and gets BSSGP SUSPEND ACK (BVCI=0) from it. So then OsmoPCU realizes that BVCI=0 is now known for some reason, and sends BSSGP STATUS (BVCI=0) with cause "BVCI unknown (5)".	
Please see an attached capture. OsmoSGSN is bound to 127.0.0.10:23000, OsmoPCU is at 127.0.0.1:23000.	
<b>Related issues:</b>	
Related to OsmoPCU - Bug #2384: NSVCI=0 seems to cause problems	<b>New</b> <b>07/20/2017</b>
Related to OsmoSGSN - Bug #4245: osmo-sgsn hitting assert during osmo-gsm-tes...	<b>Resolved</b> <b>10/31/2019</b>

#### History

##### #1 - 07/17/2019 01:04 PM - fixeria

- Project changed from Cellular Network Infrastructure to OsmoPCU
- Subject changed from GPRS Suspension Request with unknown BVCI to BSSGP SUSPEND ACK with unknown BVCI=0

##### #2 - 07/17/2019 01:30 PM - laforge

BVCI=0 is the signaling BVCI, which always exists. This is different from the p-t-p BVCI which are explicitly brought up by UNBLOCK procedures and the like.

So claiming that BVCI=0 is unknown is wrong in any case. It is perpetual.

##### #3 - 11/07/2019 09:22 PM - fixeria

- Status changed from New to Feedback
- Assignee set to fixeria
- % Done changed from 0 to 90

Please see:

<https://gerrit.osmocom.org/c/osmo-pcu/+/16006> BSSGP: do not reject SUSPEND ACK / NACK messages  
<https://gerrit.osmocom.org/c/osmo-pcu/+/16007> BSSGP: properly print BVCI for signalling messages (BVCI=0)

##### #4 - 11/07/2019 09:58 PM - fixeria

- Related to Bug #2384: NSVCI=0 seems to cause problems added

##### #5 - 11/08/2019 03:47 PM - fixeria

- Status changed from Feedback to Resolved
- % Done changed from 90 to 100

Merged.

#6 - 11/08/2019 03:47 PM - pespin

- Related to Bug #4245: osmo-sgsn hitting assert during osmo-gsm-tester ping.py test added

## Files

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bssgp_suspend.pcapng.gz	3.18 KB	07/17/2019	fixeria
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