

## OsmoPCU - Bug #4856

### PCU is running but has no NS connection and does not retry.

11/09/2020 07:00 PM - keith

<b>Status:</b>	New	<b>Start date:</b>	11/09/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	keith	<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			
<b>Description</b>			
<p>It has been noticed that at times osmo-bts, osmo-pcu are up and running on a sysmobts, GPRS is configured but there is no NS connection to the SGSN.</p> <p>What I don't have about this:</p> <ul style="list-style-type: none"><li>• A method to reproduce.</li><li>• logs leading up to failure.</li><li>• I don't know if the NS was up and failed, or if it never came up on pcu startup.</li><li>• osmo-bts and pcu are not current master, if fact there are some various versions installed.. (BSC is nitb)</li></ul> <p>As I am writing this, I have one case of running osmo-pcu with no connection.</p> <p>pcu is not logging ANYTHING. (logging level set-all debug) version: OsmoPCU 0.8.0.152-b90d show stats: all counters are zero.</p> <p>ntib shows all of the "states" <b>Oper 'Enabled', Admin 'Unlocked', Avail 'OK'</b> as does the associated <del>per</del> osmo-bts</p> <p>also, shows PCU connected:</p> <pre>OpenBSC# show bts 2 BTS 2 is of sysmobts type in band GSM850, has CI 2 LAC 269, BSIC 63 (NCC=7, BCC=7) and 1 TRX Description: (null) PCU version 0.8.0.152-b90d connected</pre> <p>To possibly simplify a little: It seems to be that the PCU is in a states where it "knows" that the NS is down</p> <pre>OsmoPCU# show ns Encapsulation NS-UDP-IP      Local IP: 0.0.0.0, UDP Port: 0</pre> <p>yet it is not trying to bring it up. Maybe the bts did not inform the PCU of the config?</p> <p>show bts statistics: also all counters at ZERO. all rate-counters are zero.</p> <p>really looks like it was never initialised.</p> <p>Maybe needless to say, but worth adding - systemctl restart osmo-pcu restores service.</p>			

#### History

#1 - 11/09/2020 07:01 PM - keith

- Description updated

#2 - 11/24/2020 04:41 AM - lynxis

```
OsmoPCU# show ns  
Encapsulation NS-UDP-IP      Local IP: 0.0.0.0, UDP Port: 0
```

This looks like there wasn't any NS configuration transmitted over the PCU socket. Can you update to the latest PCU?