

## OsmoGSMTester - Feature #2820

### test GPRS with two (or more) subscribers

01/07/2018 06:46 PM - neels

<b>Status:</b> Resolved	<b>Start date:</b> 01/07/2018
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> pespin	<b>% Done:</b> 100%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b> recently, a libosmocore patch broke the SGSN for more than one subscriber. Add a GPRS test that uses more than one subscriber, if possible even more. <a href="https://gerrit.osmocom.org/5418">https://gerrit.osmocom.org/5418</a> <a href="https://gerrit.osmocom.org/5516">https://gerrit.osmocom.org/5516</a>	
<b>Related issues:</b>	
Related to OsmoGSMTester - Feature #2204: osmo-gsm-tester: add test case: CS ...	<b>Resolved</b> <b>04/27/2017</b>
Related to OsmoPCU - Bug #1742: Regression in egprs patch series	<b>New</b> <b>06/02/2016</b>

### History

#### #1 - 10/29/2018 01:47 PM - pespin

- Related to Feature #2204: osmo-gsm-tester: add test case: CS paging while GPRS is active added

#### #2 - 10/29/2018 01:50 PM - pespin

- Status changed from New to Stalled

- Assignee changed from osmo-gsm-tester to pespin

Blocked since we don't have more than 1 EC20 currently connected to osmo-gsm-tester (SYS#4381). Once we have it, I can start working on related tests. I'll do test which tests running several iperf3 sessions concurrently, 1 per MS.

For test case regarding CS<->PS, see [#2204](#). Similar stuff is already implemented for dynamic timeslots in "dynts" suite.

#### #3 - 10/30/2018 01:40 PM - msuraev

- Related to Bug #1742: Regression in egprs patch series added

#### #4 - 11/12/2018 04:49 PM - pespin

- Status changed from Stalled to New

We do have several EC20 now. 5 in prod, 2 in RnD.

#### #5 - 11/14/2018 04:15 PM - pespin

- Status changed from New to Feedback

- % Done changed from 0 to 90

Submitted in:

remote: <https://gerrit.osmocom.org/#/c/osmo-gsm-tester/+11770> resources.conf.rnd: gobi2k changed by ec20

remote: <https://gerrit.osmocom.org/#/c/osmo-gsm-tester/+11771> iperf3: Allow changing port of iperf3 server

remote: <https://gerrit.osmocom.org/#/c/osmo-gsm-tester/+11772> iperf3: implement str() method in iperf3 server

remote: <https://gerrit.osmocom.org/#/c/osmo-gsm-tester/+11773> tests: iperf3: Support testing parallel iperf3 clients in test

I tested with 2 MS in RnD (there's only 2 EC20 there) and everything looks fine, speed looks similar for both too:

```
17:14:46.104085 tst iperf3m2.py:8: Results for 10.42.42.10:5003 through "/gobi_0/context2"
"
17:14:46.524630 tst iperf3m2.py:8: RESULT client:
```

```
17:14:47.008315 tst      iperf3m2.py:8:   SEND: 34 KB, 27 kbps, 10 seconds (0 retrans)
17:14:47.423142 tst      iperf3m2.py:8:   RECV: 26 KB, 20 kbps, 10 seconds
17:14:47.834763 tst      iperf3m2.py:8: RESULT server:
17:14:48.241442 tst      iperf3m2.py:8:   SEND: 34 KB, 27 kbps, 10 seconds
17:14:48.645650 tst      iperf3m2.py:8:   RECV: 26 KB, 20 kbps, 10 seconds

17:14:49.075994 tst      iperf3m2.py:8: Results for 10.42.42.10:5004 through "/gobi_3/context2'
"
17:14:49.463149 tst      iperf3m2.py:8: RESULT client:
17:14:49.861120 tst      iperf3m2.py:8:   SEND: 36 KB, 28 kbps, 10 seconds (0 retrans)
17:14:50.246101 tst      iperf3m2.py:8:   RECV: 28 KB, 23 kbps, 10 seconds
17:14:50.636707 tst      iperf3m2.py:8: RESULT server:
17:14:51.032964 tst      iperf3m2.py:8:   SEND: 36 KB, 28 kbps, 10 seconds
17:14:51.428671 tst      iperf3m2.py:8:   RECV: 28 KB, 23 kbps, 10 seconds
```

I submitted the patch to test it with 4 concurrent MS, only available in Prod.

**#6 - 11/21/2018 12:26 PM - pespin**

- *Status changed from Feedback to Resolved*

- *% Done changed from 90 to 100*

Merged, closing.