

# OsmoGSMTester - Bug #1707

## leaks test sessions

05/12/2016 09:45 AM - lazlo

<b>Status:</b>	Closed	<b>Start date:</b>	05/12/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	lazlo	<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			

### Description

When the osmo-gsm-tester has run more than one session, "events" like received SMS will be dispatched to test cases of previous test sessions.

This does not lead to the failure of the current session but is irritating and simply a bug.

An example for this situation can be seen in the log output of the tester

```
20160427185631  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" on_tick called (ttl 145 seconds)
20160427185631  DEBUG: IN tick_scenario(): tests total 1 tests complete 0 test failed 0
20160427185633  DEBUG: IN tick_scenario(): steps total 1 steps complete 0
20160427185633  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" on_tick called (ttl 143 seconds)
20160427185633  DEBUG: IN tick_scenario(): tests total 1 tests complete 0 test failed 0
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
20160427185634  DEBUG:      LocalSentTime = 2016-04-27T18:56:30+0200
20160427185634  DEBUG:      SentTime = 2016-04-27T16:56:30+0000
20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.xHnW1CNJVu-build-302>:StandardTestScenario<0xe02910>:Send
MOSmsTestCase<0xe02b90>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
20160427185634  DEBUG:      LocalSentTime = 2016-04-27T18:56:30+0200
20160427185634  DEBUG:      SentTime = 2016-04-27T16:56:30+0000
20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.xHnW1CNJVu-build-302>:StandardTestScenario<0xe02910>:Send
MOSmsTestCase<0xe02bd0>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: "TestSession<tmp.xHnW1CNJVu-build-302>:StandardTestScenario<0xe02910>:Send
MOSmsTestCase<0xe02bd0>" message was directed at 'to_modem' (/wavecom_3)
20160427185634  DEBUG: "TestSession<tmp.xHnW1CNJVu-build-302>:StandardTestScenario<0xe02910>:Send
MOSmsTestCase<0xe02bd0>" state = failure
20160427185634  INFO: "TestSession<tmp.xHnW1CNJVu-build-302>:StandardTestScenario<0xe02910>:Send
MOSmsTestCase<0xe02bd0>" failure! random token mismatch (expected 0.460211981162)
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
20160427185634  DEBUG:      LocalSentTime = 2016-04-27T18:56:30+0200
20160427185634  DEBUG:      SentTime = 2016-04-27T16:56:30+0000
20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.32HecBvzWT-build-303>:StandardTestScenario<0xe0c890>:Send
MOSmsTestCase<0xe0c950>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
```

```
20160427185634  DEBUG:      LocalSentTime = 2016-04-27T18:56:30+0200
20160427185634  DEBUG:      SentTime = 2016-04-27T16:56:30+0000
20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.32HecBvzWT-build-303>:StandardTestScenario<0xe0c890>:Send
MOSmsTestCase<0xe0c990>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: "TestSession<tmp.32HecBvzWT-build-303>:StandardTestScenario<0xe0c890>:Send
MOSmsTestCase<0xe0c990>" message was directed at 'to_modem' (/wavecom_3)
20160427185634  DEBUG: "TestSession<tmp.32HecBvzWT-build-303>:StandardTestScenario<0xe0c890>:Send
MOSmsTestCase<0xe0c990>" state = failure
20160427185634  INFO: "TestSession<tmp.32HecBvzWT-build-303>:StandardTestScenario<0xe0c890>:Send
MOSmsTestCase<0xe0c990>" failure! random token mismatch (expected 0.184061419514)
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
20160427185634  DEBUG:      LocalSentTime = 2016-04-27T18:56:30+0200
20160427185634  DEBUG:      SentTime = 2016-04-27T16:56:30+0000
20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09750>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: Message: test message from TestSession<tmp.BRUwIH6e9z-build-304>:StandardT
estScenario<0xf09690>:SendMOSmsTestCase<0xf09790> (rand_token=0.744257599003)
20160427185634  DEBUG: Path: /wavecom_3
20160427185634  DEBUG: Interface: org.ofono.MessageManager
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20160427185634  DEBUG:      Sender = 7803
20160427185634  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" received message (not sure yet if it is for this test case)
20160427185634  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" message was directed at 'to_modem' (/wavecom_3)
20160427185634  DEBUG: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" state = success
20160427185634  INFO: "TestSession<tmp.BRUwIH6e9z-build-304>:StandardTestScenario<0xf09690>:Send
MOSmsTestCase<0xf09790>" success! took 37 seconds to deliver SMS to 7804
20160427185635  DEBUG: IN tick_scenario(): steps total 1 steps complete 0
```

Note that this jenkins build job failed not because of the tester but because the final "ssh rm -rf" failed.

```
+ ssh root@10.9.1.190 rm -rf /var/tmp/osmo-gsm-tester/tmp.BRUwIH6e9z-build-304
rm: cannot remove `/var/tmp/osmo-gsm-tester/tmp.BRUwIH6e9z-build-304': Directory not empty
Build step 'Execute shell' marked build as failure
[WARNINGS] Skipping publisher since build result is FAILURE
Recording test results
Archiving artifacts
Finished: FAILURE
```

Reproduce the bug run at least two test sessions and you will notice that an SMS that originates from a test case of the current test session will be dispatched to test cases of the previous test sessions (see TestSession<some-unique-value> in the log output) and these test cases will be marked as "failure" (which does not change the outcome of the current test session).

## History

### #1 - 05/12/2016 09:52 AM - lazlo

- Description updated

### #2 - 05/13/2016 02:21 PM - lazlo

- Status changed from New to In Progress

In commit 6f2b87d I added a "if" inside on\_receive() method in the tc\_sendmosms.py test case that will make sure, events/messages are only accepted if the test is in TEST\_RUNNING state.

That should fix the issue of an event being dispatched to all existing/previous test sessions and their test cases.

### #3 - 06/03/2016 03:06 PM - lazlo

- Status changed from In Progress to Resolved

Haven't had any issues with leaking sessions after commit 6f2b87d.

**#4 - 06/14/2016 09:40 AM - laforge**

- *Status changed from Resolved to Closed*