

# Robotics Service Bus - Bug #1588

## Failing test in timesync sub-project

08/07/2013 05:10 PM - J. Moringen

<b>Status:</b>	Resolved	<b>Start date:</b>	08/07/2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Wienke	<b>% Done:</b>	100%
<b>Category:</b>	Timesync	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	rsb-0.10		

### Description

For maybe 1 out of 3 executions of the test suite, I see this failure:

```
$ ctest --output-on-failure
Test project /homes/jmoringe/code/cor-lab/rsb/rsb-tools-cpp/build-x86_64
  Start 1: rsbtimesyncctest
1/1 Test #1: rsbtimesyncctest .....***Failed   1.68 sec
[=====] Running 3 tests from 1 test case.
[-----] Global test environment set-up.
[-----] 3 tests from ApproximateTimeStrategyTest
[ RUN   ] ApproximateTimeStrategyTest.testEqualFrequencyAndTiming
[  OK   ] ApproximateTimeStrategyTest.testEqualFrequencyAndTiming (402 ms)
[ RUN   ] ApproximateTimeStrategyTest.testOneDoubleFrequency
/homes/jmoringe/code/cor-lab/rsb/rsb-tools-cpp/test/timesync/rsb/tools/timesync/ApproximateTimeStrategyTest.cpp:196:
Failure
Value of: actual
  Actual: "7"
Expected: expected
Which is: "6"
[ FAILED ] ApproximateTimeStrategyTest.testOneDoubleFrequency (953 ms)
[...]
```

### Associated revisions

**Revision 7634a630 - 09/05/2013 05:31 PM - J. Wienke**

fixes #1588: use virtual time for unit tests

Prevent timing issues by using a virtual time for unit tests.

### History

**#1 - 09/05/2013 05:01 PM - J. Wienke**

- Status changed from New to In Progress

**#2 - 09/05/2013 05:32 PM - J. Wienke**

- Status changed from In Progress to Resolved

- % Done changed from 0 to 100

Applied in changeset rsb-tools-cpp|commit:7634a630ab53eab3db6a62d8d9ecc3ab894a92cd.

