C++test Report [10/07/13 18:25:22]

10/07/13 18:25:22	Results from:**Run Unit Tests**

TEST EXECUTION

Test Project Name	Tasks			Executed Test Cases		
	Fix Runtime Error Detection Violations	Fix Unit Test Problems	Review Unit Test Outcomes	Passed	Failed	Total
core.timers	0	0	2	21	0	21
Total [0:00:13]	0	0	2	**21**	**0**	**21**

Legend:

Test Project Name	-	This is the project that contains the tests.
Fix Unit Test Problems	-	This represents the tasks arising from tests that have already been reviewed. This includes exceptions that have been marked as expected, assertion failures from previously reviewed tests, and any other kind of unexpected behavior that needs to be looked at (such as timeouts).
Review Unit Test Outcomes	-	These are outcomes from automatically generated tests that did not result in exceptions or assertion failures. The user just has to review and ensure that the outcome is appropriate (and convert them to assertions if they are not already represented as assertions).

All Tasks

- [2] **Unit Test Outcomes**
  - [2] **Unverified Outcomes**
    - [2] Outcome

COVERAGE

Coverage Summary

+ **Total** [**62**% 257/417 executable lines]
  + **core.timers** [**62**% 257/417 executable lines]
    + **TimedSingleThreadBarrier** [**0**% 0/3 executable lines]
      + **TimedSingleThreadBarrier.cpp** [**0**% 0/3 executable lines]
        - **TA_Base_Core::TimedSingleThreadBarrier::TimedSingleThreadBarrier(unsigned long)** [**0**% 0/1 executable lines]
        - **TA_Base_Core::TimedSingleThreadBarrier::timedWait(unsigned long)** [**0**% 0/1 executable lines]
        - **TA_Base_Core::TimedSingleThreadBarrier::~TimedSingleThreadBarrier()** [**0**% 0/1 executable lines]
    + **TimedWaitSemaphore** [**87**% 61/70 executable lines]
      + **TimedWaitSemaphore.cpp** [**87**% 61/70 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::post()** [**100**% 11/11 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::timedWait(unsigned long)** [**96**% 22/23 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::TimedWaitSemaphore(unsigned int)** [**100**% 1/1 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::tryWait()** [**80**% 8/10 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::wait()** [**60**% 9/15 executable lines]
        - **TA_Base_Core::TimedWaitSemaphore::~TimedWaitSemaphore()** [**100**% 10/10 executable lines]
    + **Timers** [**57**% 196/344 executable lines]
      + **AbstractThreadedTimeoutUser.cpp** [**0**% 0/12 executable lines]
        - **TA_Base_Core::AbstractThreadedTimeoutUser::AbstractThreadedTimeoutUser()** [**0**% 0/1 executable lines]
        - **TA_Base_Core::AbstractThreadedTimeoutUser::timerExpired(long, void *)** [**0**% 0/4 executable lines]
        - **TA_Base_Core::AbstractThreadedTimeoutUser::~AbstractThreadedTimeoutUser()** [**0**% 0/4 executable lines]

  - **TA_Base_Core::ThreadedTimeoutWorkItem::executeWorkItem()** [**0**% 0/1 executable lines]
  - **TA_Base_Core::ThreadedTimeoutWorkItem::ThreadedTimeoutWorkItem(TA_Base_Core::AbstractThreadedTimeoutUser &, long, void *)** [**0**% 0/1 executable lines]
  - **TA_Base_Core::ThreadedTimeoutWorkItem::~ThreadedTimeoutWorkItem()** [**0**% 0/1 executable lines]
- + **ITimeoutCallback.h** [**100**% 1/1 executable lines]
  - **TA_Base_Core::ITimeoutCallback::~ITimeoutCallback()** [**100**% 1/1 executable lines]
- + **SingletonTimerUtil.cpp** [**0**% 0/25 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::getInstance()** [**0**% 0/5 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::queueWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>)** [**0**% 0/1 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::removeInstance()** [**0**% 0/5 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::removeWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>)** [**0**% 0/1 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::SingletonTimerUtil()** [**0**% 0/5 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::startPeriodicTimeOutClock(TA_Base_Core::ITimeoutCallback *, unsigned long, bool, void *)** [**0**% 0/1 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::stopPeriodicTimeOutClock(TA_Base_Core::ITimeoutCallback *)** [**0**% 0/2 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::stopPeriodicTimeOutClock(TA_Base_Core::ITimeoutCallback *, long)** [**0**% 0/2 executable lines]
  - **TA_Base_Core::SingletonTimerUtil::~SingletonTimerUtil()** [**0**% 0/3 executable lines]
- + **StopwatchUtil.cpp** [**0**% 0/27 executable lines]
  - **TA_Base_Core::StopwatchUtil::getAverageTime()** [**0**% 0/1 executable lines]
  - **TA_Base_Core::StopwatchUtil::getTotalTime()** [**0**% 0/1 executable lines]
  - **TA_Base_Core::StopwatchUtil::reset()** [**0**% 0/2 executable lines]
  - **TA_Base_Core::StopwatchUtil::startTiming()** [**0**% 0/1 executable lines]
  - **TA_Base_Core::StopwatchUtil::stats()** [**0**% 0/11 executable lines]
  - **TA_Base_Core::StopwatchUtil::stopTiming()** [**0**% 0/5 executable lines]
  - **TA_Base_Core::StopwatchUtil::StopwatchUtil()** [**0**% 0/1 executable lines]
  - **TA_Base_Core::StopwatchUtil::timeElapsed()** [**0**% 0/4 executable lines]
  - **TA_Base_Core::StopwatchUtil::~StopwatchUtil()** [**0**% 0/1 executable lines]
- + **TimerUtil.cpp** [**71**% 74/104 executable lines]
  - **TA_Base_Core::TimerUtil::cancelTimer(TA_Base_Core::ITimeoutCallback *)** [**100**% 25/25 executable lines]
  - **TA_Base_Core::TimerUtil::cancelTimer(TA_Base_Core::ITimeoutCallback *, long)** [**100**% 24/24 executable lines]
  - **TA_Base_Core::TimerUtil::handle_timeout(const ACE_Time_Value &, const void *)** [**0**% 0/25 executable lines]
  - **TA_Base_Core::TimerUtil::scheduleTimer(TA_Base_Core::ITimeoutCallback *, unsigned long, bool, void *)** [**80**% 20/25 executable lines]
  - **TA_Base_Core::TimerUtil::TimerUtil()** [**100**% 1/1 executable lines]
  - **TA_Base_Core::TimerUtil::~TimerUtil()** [**100**% 4/4 executable lines]
- + **WindowsTimerQueue.cpp** [**68**% 114/168 executable lines]
  - **internalTimerProc** [**0**% 0/2 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::activate()** [**100**% 10/10 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::cancel(long, const void **)** [**94**% 16/17 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::deactivate()** [**100**% 9/9 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::expireTimers()** [**41**% 9/22 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::processTimers()** [**100**% 3/3 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::reset_interval(long, const ACE_Time_Value &)** [**0**% 0/20 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::restartInternalTimer()** [**100**% 23/23 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::run()** [**67**% 10/15 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::schedule(ACE_Event_Handler *, const void *, const ACE_Time_Value &, const ACE_Time_Value &)** [**79**% 15/19 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::stopInternalTimer()** [**50**% 4/8 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::terminate()** [**100**% 4/4 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::thr_count()** [**100**% 3/3 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::timerCallback(unsigned int)** [**0**% 0/5 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::WindowsTimerQueue()** [**100**% 4/4 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::~WindowsTimerQueue()** [**100**% 4/4 executable lines]
- + **WindowsTimerQueue.h** [**100**% 7/7 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::timer_queue()** [**100**% 1/1 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::TimerEntry::operator <(const TA_Base_Core::WindowsTimerQueue::TimerEntry&) const** [**100**% 1/1 executable lines]
  - **TA_Base_Core::WindowsTimerQueue::TimerEntry::TimerEntry(long, const ACE_Time_Value &, const ACE_Time_Value &, const void *, ACE_Event_Handler *)** [**100**% 5/5 executable lines]

Author	**Tasks** total / recommended	
user	2	2

Total Tasks: 2 user [2] ^

core.timers.TA_Timers - UnitTest/core.timers/tests/autogenerated/TimedWaitSemaphore/TestSuite_TimedWaitSemaphore_cpp.cpp [**2**]

Test case: **TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_tryWait_1**

Outcome: bool _return=true [unverified outcome]

at .(core.timers.TA_Timers - UnitTest/core.timers/tests/autogenerated/TimedWaitSemaphore/TestSuite_TimedWaitSemaphore_cpp.cpp:248)

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Test case: **TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_tryWait_2**

Outcome: bool _return=false [unverified outcome]

at .(core.timers.TA_Timers - UnitTest/core.timers/tests/autogenerated/TimedWaitSemaphore/TestSuite_TimedWaitSemaphore_cpp.cpp:265)

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Executed Tests (Details)

```
+ [21/21]  Passed / Total
  + [21/21]  core.timers
    + [21/21]  tests
      + [21/21]  autogenerated
        + [13/13]  TimedWaitSemaphore
          + [13/13]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc
              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_post_1
              [P]  [0:00:00.001]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_post_2
              [P]  [0:00:03.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_timedWait_1
              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_timedWait_2
              [P]  [0:00:03.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_timedWait_3
              [P]  [0:00:03.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_timedWait_4
              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_TimedWaitSemaphore_1
            + [P]  [0:00:00.001]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_tryWait_1

             Outcome: bool _return=true [unverified outcome]                                              user
                 at .(core.timers.TA_Timers - UnitTest/core.timers/tests/autogenerated/TimedWaitSemaphore/
             TestSuite_TimedWaitSemaphore_cpp.cpp:248)

            + [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_tryWait_2

             Outcome: bool _return=false [unverified outcome]                                             user
                 at .(core.timers.TA_Timers - UnitTest/core.timers/tests/autogenerated/TimedWaitSemaphore/
             TestSuite_TimedWaitSemaphore_cpp.cpp:265)

              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_wait_1
              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_wait_2
              [P]  [0:00:00.000]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_x7eTimedWaitSemaphore_1
              [P]  [0:00:01.200]  TestSuite_TimedWaitSemaphore_cpp_beb1a4fc::test_x7eTimedWaitSemaphore_2
        + [8/8]  Timers
          + [4/4]  TestSuite_TimerUtil_cpp_aed353e
              [P]  [0:00:00.105]  TestSuite_TimerUtil_cpp_aed353e::test_cancelTimer_1
              [P]  [0:00:00.118]  TestSuite_TimerUtil_cpp_aed353e::test_cancelTimer_10
              [P]  [0:00:00.117]  TestSuite_TimerUtil_cpp_aed353e::test_cancelTimer_11
              [P]  [0:00:00.116]  TestSuite_TimerUtil_cpp_aed353e::test_cancelTimer_2
          + [4/4]  TestSuite_WindowsTimerQueue_cpp_49b680ee
              [P]  [0:00:00.005]  TestSuite_WindowsTimerQueue_cpp_49b680ee::test_activate_1
              [P]  [0:00:00.003]  TestSuite_WindowsTimerQueue_cpp_49b680ee::test_restartInternalTimer
              [P]  [0:00:00.001]  TestSuite_WindowsTimerQueue_cpp_49b680ee::test_restartInternalTimer2
              [P]  [0:00:00.002]  TestSuite_WindowsTimerQueue_cpp_49b680ee::test_restartInternalTimer3
```