```
board test
date & test version:
date [<date>]
test version [v0.2.0]
system:
core
            [<core>]
cpu
            [<cpu>]
            [<#count>]
#n cpus
frequency [<cpu_freq>]
board [<board>]
versions:
linux
          [<#linux>+<#patch_id>]
           [<#rtai>+<#patch id>]
rtai
qcc
           [<#qcc>]
toolchain [<toolchain>]
patch, configure, compile
_____
linux:
                           [PASSED/FAILED]
1 linux patch
1 linux patch
1.1 successful hunks
                          [<#count>]
1.2 failed hunks
                            [<#count>]
1.3 configure
                            [PASSED/BLOCKED/FAILED]
1.4 compile
                            [PASSED/BLOCKED/FAILED]
rtai:
2 rtai patch
                            [INTEGRATED/PASSED/FAILED]
                         [<#count>]
2.1 successful hunks
2.2 failed hunks
                           [<#count>]
2.3 configure
                           [PASSED/BLOCKED/FAILED]
2.4 compile
                           [PASSED/BLOCKED/FAILED]
basic tests
loading/unloading kernel modules:
- load: insmod rtai_hal.ko; insmod rtai_{sched|lxrt}.ko; insmod rtai_msg.ko; insmod
          rtai_sem.ko ; insmod rtai_mbx.ko ; insmod rtai_fifos.ko ; insmod rtai_shm.ko
- unload: rmmod rtai_shm rtai_fifos rtai_mbx rtai_sem rtai_msg rtai_{sched|lxrt} rtai_hal
3.1
    kernel modules
3.1.1 load/unload (sched) [PASSED/FAILED]
3.1.2 load/unload (sched) [PASSED/BLOCKED/FAILED]
3.1.3 load/unload (lxrt) [PASSED/BLOCKED/FAILED]
3.1.4 load/unload (lxrt) [PASSED/BLOCKED/FAILED]
latency test:
settings: rtai_sched.ko, period: 1ms, sysload: dd /dev/urandom /dev/null
- system load: dd if=/dev/urandom of=/dev/null bs=1024 count=1000000 # 1GB
- kernelspace: insmod latency_rt.ko timer_mode={0|1} period=1000000
- userspace: testsuite/user/latency/latency & \# (latency.c: \#define TIMER_MODE \{0 | 1\}) - display: testsuite/\{kern | user\}/latency/display
     latency: idle system
3.2.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.2.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.2.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.2.4 userspace, periodic [PASSED/BLOCKED/FAILED]
                                                                                     page 1/2
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3.3

latency: system under load

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3.3.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.3.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.3.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.3.4 userspace, periodic [PASSED/BLOCKED/FAILED]
preempt test:
settings: rtai_sched.ko, sysload: dd /dev/urandom /dev/null
- system load: dd if=/dev/urandom of=/dev/null bs=1024 count=1000000 # 1GB
- kernelspace: insmod preempt_rt.ko
- userspace: testsuite/user/preempt/preempt &
- display: testsuite/{kern|user}/preempt/display
3.4 preempt: idle system
3.4.1 kernelspace [PASSED/BLOCKED/FAILED]
3.4.3 userspace [PASSED/BLOCKED/FAILED]
3.5 preempt: system under load
3.5.1 kernelspace [PASSED/BLOCKED/FAILED]
3.5.3 userspace
                                   [PASSED/BLOCKED/FAILED]
switch test:
settings: rtai_sched.ko, sysload: dd /dev/urandom /dev/null
- system load: dd if=/dev/urandom of=/dev/null bs=1024 count=1000000 # 1GB
- kernelspace: insmod switches_rt.ko
- userspace: testsuite/user/switches/switches
3.6 switch: idle system
3.6.1 kernelspace [PASSED/BLOCKED/FAILED]
3.6.3 userspace [PASSED/BLOCKED/FAILED]
3.6 switch: system under load
3.7.1 kernelspace [PASSED/BLOCKED/FAILED]
3.7.3 userspace
                                    [PASSED/BLOCKED/FAILED]
latency test, 12h (user/oneshot/load):
3.8 latency: 12h [PASSED/BLOCKED/FAILED]
performance
3.2/3.3 latency test [min__][avg__][max__]
idle kernelspace oneshot [____][___][___]/[BLOCKED/FAILED]
idle kernelspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]

idle kernelspace periodic [ ][ ][ ]/[BLOCKED/FAILED]

idle userspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]

idle userspace periodic [ ][ ][ ]/[BLOCKED/FAILED]

load kernelspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]

load userspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]

load userspace periodic [ ][ ][ ]/[BLOCKED/FAILED]
3.4/3.5 preempt test [min__][avg__][max__][j-fast][j-slow]

        idle kernelspace
        [ ][ ][ ][ ][ ][ ]/[BLOCKED/FAILED]

        idle userspace
        [ ][ ][ ][ ][ ][ ]/[BLOCKED/FAILED]

        load kernelspace
        [ ][ ][ ][ ][ ][ ][ ]/[BLOCKED/FAILED]

        load userspace
        [ ][ ][ ][ ][ ][ ][ ]/[BLOCKED/FAILED]

                             [susp/res][sem:sig/wait][rpc:rcv-ret]
3.6 switch test

      idle kernelspace
      [ ][ ][ ]/[BLOCKED/FAILED]

      idle userspace
      [ ][ ][ ]/[BLOCKED/FAILED]

      load kernelspace
      [ ][ ][ ]/[BLOCKED/FAILED]

      load userspace
      [ ][ ][ ]/[BLOCKED/FAILED]

3.8 latency test, 12h [min__][avg__][max__]
_____
load userspace oneshot [____][___][BLOCKED/FAILED]
```