VTS Checklist

This document contains the Validation Test Suite (VTS) Checklist that Wind River uses when testing and validating a new BSP. Use the VTS Checklist to document the BSP VTS test results. This VTS Checklist is just one small aspect of the overall BSP Validation Checklist.

Validation Test Suite Checklist		
VxWorks Version:	**BSP Version:**	
Manufacturer:	**Model:**	
Part Number:	**Serial Number:**	
Revision:	**Bar Code Tag #:**	
PROMS used for testing		
PROMS **Socket ID** **Checksum**		
0		
1		
2		
3		
Notes:		
Engineer:	**Date:**	
Signature:		

Validation Test Suite Checklist		
Manufacturer:	**Model:**	
Test	**Date**	**Checked**
1. **auxClock.tcl**		
auxClock at *extra-test* frequency		
auxClock at *min-test* frequency		
auxClock at *max-test* frequency		
auxClock at *default-test* frequency		
sysAuxClkDisable( ) test		
sysAuxClkRateSet( ) parameter checking		
sysAuxClkRateGet( ) return value		
2. **baudConsole.tcl**		
Console at 150 baud		
Console at 300 baud		
Console at 600 baud		
Console at 1200 baud		
Console at 1800 baud		
Console at 2400 baud		
Console at 4800 baud		
Console at 9600 baud		
Console at 19200 baud		
Console at 38400 baud		
3. **bootline.tcl**		
Control/X test		
Bus error test for local error address		
Bus error test for off-board error address		
Boot commands test		
4. **busTas.tcl** slave:		
Short-term TAS test		
Long-term TAS test		
5. **eprom.tcl**		
1-byte read of eprom		
2-byte read of eprom		
4-byte read of eprom		
6. **error1.tcl**		
Bus-error test for local address		
Bus-error test for offboard address		
Divide-by-zero test		
7. **error2.tcl**		
Catastrophic error test		
Reboot with interrupts		

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8. **model.tcl**		
sysModel( ) return value		
9. **network.tcl** slave:		
Ping target test		
UDP packet echo test		
10. **nvRam.tcl**		
sysNvRamGet( ) of boot line		
sysNvRamSet( ) and **sysNvRamGet( )** of complemented boot line		
sysNvRamGet( ) with length zero		
sysNvRamSet( ) parameter checking		
sysNvRamGet( ) parameter checking		
sysNvRamSet( ) and **sysNvRamGet( )** of 0xff data		
sysNvRamSet( ) and **sysNvRamGet( )** of 0x00 data		
sysNvRamSet( ) and **sysNvRamGet( )** of boot line		
11. **procNumGet.tcl**		
sysProcNumGet( ) return value		
12. **ram.tcl**		
1-byte read of RAM		
2-byte read of RAM		
4-byte read of RAM		
13. **rlogin.tcl** slave:		
IN USE message when **rlogin** to target0		
Reach shell of target0		
rlogin pty usage on target0		
logout from target0		
IN USE message when **rlogin** to target1		
Reach shell of target1		
rlogin pty usage on target1		
logout from target1		
14. **scsi.tcl**		
scsiShow( ) test		
SCSI write/read/verify device		
15. **serial.tcl**		
Console I/O test		
Console echo test		
Sequential loopback test		
Multiple loopback test		

Validation Test Suite Checklist		
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Test	**Date**	**Checked**
16. **sysClock.tcl**		
sysClk at *extra-freq* hertz		
sysClk at *min-freq* hertz		
sysClk at *max-freq* hertz		
sysClk at *default-freq* hertz		
sysClkDisable( ) disables **sysClk**		
sysClkRateSet( ) parameter checking		
sysClkRateGet( ) return value		
17. **timestamp.tcl**		
Enable the timestamp timer		
sysTimestamp( ) long-term test		
sysTimestampLock( ) long-term test		
Disable the timestamp timer		
Re-enable after disable		
18. Identify backplane modes tested:		
Polling		
Bus interrupt		
Mailboxes		
COMMENTS (refer to the item number above):		