

**For Immediate Release**

## **Vector Software Announces Support for the Wind River's VxWorks 6 and VxWorks 653**

**East Greenwich, RI – April 1, 2009.** Vector Software, a leading provider of software test tools for embedded systems, today announced support for unit and integration testing of VxWorks Real-Time Process (RTP) applications and VxWorks 653 time-and-space partitioned applications. The VectorCAST integration supports both the C and C++ development languages. This integration enables test execution using both the vxSim VxWorks simulation environment and on development and deployment boards, using any of the Wind River VxWorks 6 and VxWorks 653 Board Support Packages.

VxWorks RTPs are containers for user mode applications, which ensure memory separation of the user application from the kernel. Each RTP has its own copy of code and data, including a separate heap and stack area. VxWorks 653, a complete implementation of the ARINC 653 specification, creates time- and space-based partitions for isolating applications in separate address spaces for higher robustness and safety. Each partition contains its own code and data spaces, including a separate heap and stack area. The VectorCAST generated test harness is built and executed inside the RTP or partition under test, ensuring that testing occurs in the same context that the deployed application will execute. The use of the VectorCAST VxWorks integration enables software developers to test their target software to the highest levels of safety criticality, including MCDC testing required by RTCA DO-178B and EUROCAE ED-12B.

"Vector's integration with the VxWorks platforms further extends the comprehensive design, code, test, and management capabilities of the Wind River Workbench development environment", states Rob Hoffman, vice president and general manager, Aerospace and Defense Business Unit Wind River. "This release enables joint Vector and Wind River customers to leverage the broad range of capabilities built into the Workbench development environment for the industry's leading device software operating system."

Vector Software has supported the Wind River development environments for over eight years and is committed to delivering industry-leading verification tools needed by developers of safety critical avionics software applications. "This integration with VxWorks underscores Vector's commitment to providing robust verification tools that are required by our customers, ensuring support for new RTOS technology as it evolves," notes Bill McCaffrey, Director of Marketing at Vector Software.

### **About Vector Software**

Vector Software, Inc. is the leading independent provider of automated software testing tools for developers of safety-critical embedded applications. Vector Software's VectorCAST line of products, automate and manage the complex tasks associated with unit, integration, and system level testing. The VectorCAST tools support the C, C++, and Ada programming languages.

#### Vector Software's Product Family:

VectorCAST/C++	C/C++ Unit and Integration Testing
VectorCAST/Ada	Ada Unit and Integration Testing
VectorCAST/RSP	Unit and Integration Testing on Target and Simulator
VectorCAST/Cover	System Level Code Coverage on Target and Simulator
VectorCAST/Manage	Regression Test Management
VectorCAST/Requirements Gateway	Tagging Requirements to Test Cases
VectorCAST/MC/DC	Modified Condition / Decision Coverage Module
Tool Qualification Packages	VectorCAST Requirements and Test Documentation