



Vector Integration of CANoe and vTESTstudio Test Tools

Together, Vector and Jama Software are enabling engineers and network designers to simplify airborne systems development

Integration Overview

The strategic partnership between Vector and Jama Software helps companies in regulated industries manage the complexities of product development by seamlessly integrating requirements management with Line-Replaceable Unit (LRU) testing. This joint solution supports the development of safety-critical products, reducing the time and effort spent generating information required to meet industry regulations.

Linking Requirements to Automated Testing for LRUs

Vector's product testing platforms CANoe and vTESTstudio are integrated to Jama Connect® for a complete user experience from requirements through test.

CANoe is a comprehensive software tool for the development, test, and analysis of LRUs and entire LRU networks designers, development and test engineers at OEMs and suppliers.

vTESTstudio is a high-performance development environment for creating test sequences that can be executed with the CANoe test sequencer in real-time.

Jama Connect for Airborne Systems is a solution designed with built-in frameworks that support requirements, hazard and risk analysis, and test management all in a single platform. These built-in frameworks are aligned to industry standards including DO-178C/ED-12C, DO-254/ED-80, DO-326A, ARP4754/ED-79 and ARP4761.

Vector and Jama Connect are linked via a native integration to help product development teams bring traceability of requirements, risk, and test management together seamlessly, while supporting regulatory compliance for product development. Jama Connect's robust requirements management platform coupled with Vector's product testing platform strengthens product quality and simplifies product development.

VECTOR + JAMA SOFTWARE KEY BENEFITS

Seamless Integration of Electric Components Testing

Integration from requirements through test enables developers to quickly detect and correct problems earlier in the development process—evaluating functional requirements, analysis models, and prototypes before they cause significant impacts to the project.

Automated Traceability

As designs travel through the various stages of development, analysis, and verification, integrated solution automatically tracks each activity. Along the way, stakeholders receive enhanced insights through the activation of traceable links from safety requirements to their specific properties.

Flexible, Agile Solution

The Vector-Jama Connect integration is built-in with no additional expense to you, providing exceptional value from market-leading requirements management and top LRUs testing tools of choice.

- Product Development Teams
- Test Engineers
- Network Designers

How Vector CANoe and vTESTstudio solutions are Integrated to Jama Connect

Vector and Jama Software help product development teams increase their level of collaboration and communication. This integrated solution provides a powerful toolset that links the key activities of product development, quality and reliability assessment, and test management of LRUs. This leading-solution combination streamlines the development process and improves time to market. The partnership benefits clients in regulated industries where electronic component testing is required.

Benefits of the Integration

Jama Connect Users	Vector Users
Complete traceability for requirements throughout the Jama Connect and CANoe and vTESTstudio tool chain.	Continued access to toolset enabling teams to support electronic component testing with ease.
Clear visibility into quality parameters and test results in real-time.	Complete context of the customer requirements and priorities with every stakeholder working from the same data.
Linked requirements and test cases to automated testing for embedded software systems.	Streamlines the development of automated testing for embedded software systems.



[Vector](#) is the leading manufacturer of software tools and embedded components for the development of electronic systems and their networking with many different systems from CAN to Automotive Ethernet. Vector has been a partner of automotive manufacturers and suppliers and related industries since 1988. Vector tools and services provide engineers with the decisive advantage to make a challenging and highly complex subject area as simple and manageable as possible.



Jama Software® is focused on maximizing innovation success in multidisciplinary engineering organizations. Numerous firsts for humanity in fields such as fuel cells, electrification, space, software-defined vehicles, surgical robotics, and more all rely on Jama Connect® requirements management software to minimize the risk of defects, rework, cost overruns, and recalls. Using Jama Connect, engineering organizations can now intelligently manage the development process by leveraging Live Traceability™ across best-of-breed tools to measurably improve outcomes. Our rapidly growing customer base spans the automotive, medical device, life sciences, semiconductor, aerospace & defense, industrial manufacturing, consumer electronics, financial services, and insurance industries. To learn more, visit us at: jamasoftware.com.