



Streamline DO-278A Compliance for Ground-based Aviation Software Development with Jama Connect®

Software is contained in new systems as well as in aging technology being replaced in existing aircraft support systems performing communication, navigation, surveillance, air traffic management, and even satellites. The resulting increase in system complexity raises the difficulty of assessing compliance with airworthiness standards such as DO-278A.

Jama Connect® is a powerful requirements management tool that streamlines parts of the process of complying with DO-278A when developing CNS/ATM systems software.

Key Benefits

Streamline Compliance

When developing ground-based aviation software, organizations can use DO-278A as an acceptable means of compliance. Jama Connect streamlines the certification process and minimizes the risk of non-compliance by providing capabilities for establishing traceability between system requirements and software requirements; traceability between requirements and verifications; and traceability between safety analyses and their derived requirements and tests which are essential for demonstrating compliance.

Jama Connect Adheres to the Following Protocols

Built on Jama Software's Secure and Scalable Cloud Platform



Suitably validated by TÜV SÜD for safety-related development per IEC 62304



Jama Connect is SOC2 Type 2 certified in both the server and application



Ensures strong privacy management practices

TLS

Data transferred is secured and encrypted



Simplify Complex Traceability

Live Traceability™ in Jama Connect simplifies creation of traceability that is required in DO-278A by enabling development teams to establish complete traceability across the software development lifecycle to ensure that every software function is traced to a requirement and a verification; that forward and backward traceability can be demonstrated, reported on, and analyzed; and factors such as demonstrating required traceability reviews have taken place.

Foster Efficient Reviews

Meeting deadlines for development, approvals, and launches requires timely reviews to uncover issues and ensure alignment with requirements. Jama Connect fosters efficient communication and reduces the time required for reviews by providing an intuitive, easy-to-use, collaborative platform for stakeholders to provide feedback, track changes, and sign off on design decisions.

By leveraging Jama Connect, ground-based aviation software development teams can significantly improve their efficiency, reduce errors, enhance safety, and expedite development while maintaining the highest standards of regulatory compliance with DO-278A.



To learn more, visit us at jamasoftware.com



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.

