Jama **connect**® for **Defense Systems**

Integrate DoD MIL-STD-882E Risk Management with Systems Engineering

Align hardware and software systems safety using Jama Connect as your single, secure platform for requirements engineering, risk analysis, and test management.

Military departments and defense agencies must follow the MIL-STD-882E Standard Practice for System Safety to ensure safety throughout the entire lifecycle of military systems, including development, testing, production, use, and disposal.

A key challenge to compliance is the need to integrate risk management and collaboration into the systems engineering process systematically across system and fire protection safety and occupational and environmental health disciplines.

Relying on a manual, document-approach using Word and Excel to manage the MIL-STD-882E risk register is inefficient and error-prone. A more reliable and intelligent solution is Jama Connect for Defense Systems which provides a single, secure platform for requirements, risk, and test management throughout the development lifecycle. It enables alignment of software and hardware development teams to achieve speed and quality, auto-detection of safety and environmental hazards and risks for early identification and mitigation, and robust collaboration and reviews involving internal teams, supply chain partners and government agencies.

Key Benefits

Align the hardware and software systems' team safety activities
Manage risk management for hardware and software system safety in Jama Connect which provides a single source of truth that integrates with best-of-breed software tools chosen by various teams.

Identify hazards and risks for early mitigation
Teams benefit from a single system and integrated data model for architecture, hazard assessment, analysis, safety requirements, and tests.
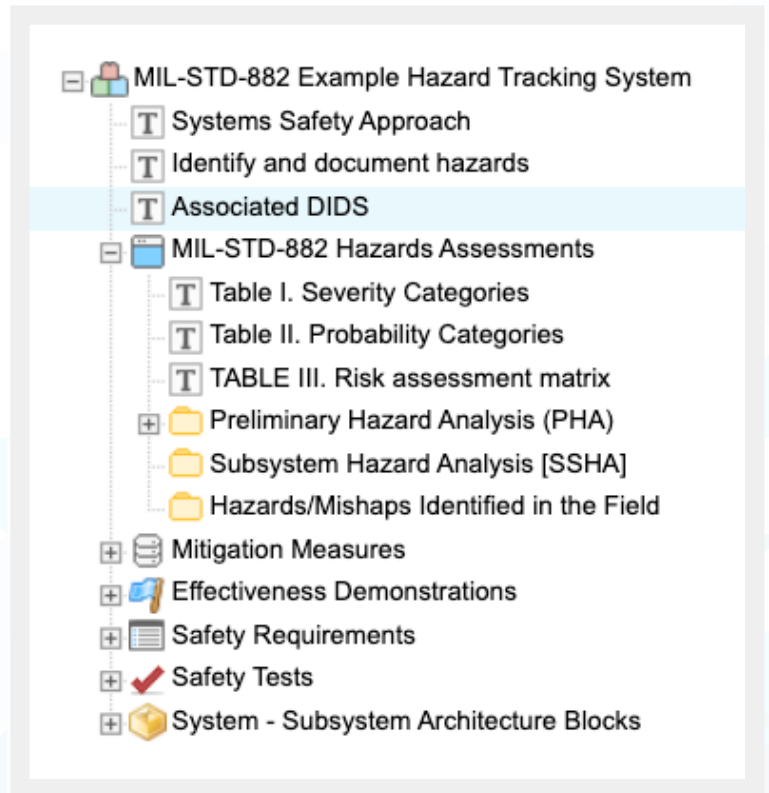
Accelerate development by streamlining collaboration and reviews
Avoid development delays by making it easy for internal and external teams to participate in MIL-STD-882E activities with Jama Connect's Review Center and collaboration intuitive capabilities.

Get the most out of your requirements management and traceability solution
Use the same Jama Connect solution for managing and documenting your product requirements AND your MIL-STD-882E activities to maximize your return on investment from Jama Connect.

By leveraging Jama Connect, DoD systems development teams can significantly improve their efficiency, reduce risk, enhance safety, and expedite development while maintaining the highest standards of regulatory compliance with MIL-STD-882E, contract requirements, defense data standards, interface standards, design criteria standards, manufacturing process standards, standard practices, and test method standards.

- MIL-STD-882 Example Hazard Tracking System
  - T Systems Safety Approach
  - T Identify and document hazards
  - T Associated DIDS
  - MIL-STD-882 Hazards Assessments
    - T Table I. Severity Categories
    - T Table II. Probability Categories
    - T TABLE III. Risk assessment matrix
    - Preliminary Hazard Analysis (PHA)
    - Subsystem Hazard Analysis [SSHA]
    - Hazards/Mishaps Identified in the Field
  - Mitigation Measures
  - Effectiveness Demonstrations
  - Safety Requirements
  - Safety Tests
  - System - Subsystem Architecture Blocks

**To learn more, visit us at jamasoftware.com
or request a free trial of Jama Connect here.**

Jama software®

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.