jama connect®
for Air, Land, Sea, and Space Systems

Enable cross-discipline collaboration and an integrated digital approach to accelerate systems development

Jama Connect® is a next-generation Requirements Management (RM) and Verification & Validation (V&V) platform that acts as an authoritative source of systems engineering data. This powerful platform allows teams building mission- and safety-critical systems to use a data-centric approach with a human-readable MBSE framework aligned to industry standards.

Innovative Digital Engineering Strategy

Developing avionics, defense, or complex space systems with disconnected tools or a document-based systems engineering process is inefficient and lacks a trusted source of truth. Jama Connect's digital engineering strategy helps teams meet the demand of modern development by connecting more teams to the design and engineering process, giving everyone a clear understanding of the big picture. Jama Connect's digital model, which combines requirements, verification and validation, and safety into a fully traceable data model, enables groups to easily meet the five goals of the US Department of Defense *Digital Engineering Strategy*.

Systems development acceleration requires optimizing the review and approval process during various stage-gate or regulatory checkpoints and integrating the entire development ecosystem.

Live Traceability

Jama Connect links and decomposes requirements at every level, from stakeholder and systems requirements to lower-level software and hardware requirements, and follows ISO/IEC 15288 practices. Jama Connect transforms traceability into what it was always meant to be.

15288 practices

The Jama framework provides item type definitions and relationship rules, that when combined provide consistency to the data. This consistency enables engineers to create the correct traces that follow the rules which then facilitates trace analysis from any viewpoint, reporting, and model validation query.

KEY BENEFITS:

- Informed decision making
- Enhanced communication and alignment
- Increased understanding of systems design
- More efficient engineering process
- Reduced barriers to compliance
- Simplified audit preparation and data exports
- Simplified document and contract deliverables (CDRL) preparation
- Ability to satisfy mission needs faster
- Improved alignment between Government and Contractor
- Deliver safety- and mission-critical systems faster
- Increased product confidence by reducing risk

Verification and Validation

Seamlessly manage the traceability between requirements and verification and validation objects within Jama Connect, and provide evidence to comply with government regulations and standards, including DO-178C, ARP-4754, DO-254.

Change Impact and Collaboration

Commercial and military aerospace systems as well as complex software systems require strict attention to safety-critical regulations and cybersecurity requirements, as well as continuous innovation and fastpaced development to remain competitive. With Jama Connect you can work to build future systems at lower cost with shorter timelines.

With fine-grained impact analysis providing instant data insight, you can make informed decisions as systems change and evolve. Don't let long development cycles or shifts in mission, cost, or technology compromise quality or slow you down. With Jama Connect, systems developers benefit from higher levels of stakeholder collaboration and communication between suppliers, government customers, contractors, and vendors.

Authoritative Source of Data

Jama Connect for Air, Land, Sea, and Space allows teams to create, review, validate, and verify requirements in one solution. This speeds up the systems engineering process by saving time, strengthening alignment, and ensuring quality and compliance.

Virtualized Review and Approval

Structured collaboration within Jama Connect allows teams to capture communication in a central system alongside system data. This lets teams review items linked to related conversations, questions, or reasoning at any point, and archive them afterward.

Decision Tracking

Within the Jama Connect platform, teams can request decisions on changes within the context of items and projects, and decisions will be automatically timestamped. This transparent decision making gives teams clarity and saves critical development time.

To learn more about Jama Connect licensing options visit: jamasoftware.com/platform/licensing