



HEXAGON JCMIS

Proven, Secure Data Distribution Engine

INDUSTRY NEEDS A ROBUST, USER FRIENDLY PRODUCT LIFECYCLE MANAGEMENT TOOL

Our Joint Configuration Management Information System (JCMIS) provides a web-based, secure PLM system that engages stakeholders and provides centralized access into how products are designed, built, and serviced. Real-time visibility into evolving system and sub-system product designs, production, and maintenance information is critical to increasing sales revenue, reducing product costs, and improving system and sub-system reliability. Configuration Identification, Configuration Change Control, Configuration Status Accounting, and Configuration Audits are the key functional pillars of a standard PLM/PDM. JCMIS integrates these functions into a closed loop system that enables the enterprise to manage product data and lifecycles from the earliest designs through asset retirement. JCMIS provides a seamless view of a system's or sub-system's parts, approved engineering designs, requirements, specifications, procedures, and allowable configurations, and associated attributes.

Successful manufacturing, maintenance, and operation of system and sub-system assets requires accurate, complete, and readily accessible configuration and lifecycle data. The industry requires a standard Product Lifecycle Management (PLM)/Product Data Management (PDM) software tool to electronically capture and manage complex, cross-functional processes that communicates the information digitally, allowing unlimited reuse by authorized users across the enterprise.

A standard JCMIS configuration is based on a three-tier architecture comprised of a web browser as the accessing tool, a web server running ColdFusion 11 Enterprise to provide the user interface, and Oracle 11G database server for data storage, retrieval, and processing. Users access the JCMIS database via their browser to store, retrieve, or update required PLM/PDM data based on database permissions and assigned security profiles.

JCMIS was developed in compliance with ANSI/EIA 649-B (National Consensus Standard for Configuration Management), ANSI/GEIA (National Consensus Standard for Configuration Management), MIL-HBK-61A (Military Handbook Configuration Management Guide), MIL-STD-973 (Military Standards Configuration Management), and MIL-STD-3046 (Army Department of Defense Interim Standard Practice).

TOP KEY BENEFITS

- 1 Standardizes PLM/PDM business processes across the enterprise
- 2 Provides robust data security, including user name and password, CAC authentication, and role-based controls
- 3 Compliant with all DISA mandated security initiatives (including ACAS and Gold Disk scans, IAVA, IAVB, IAVT)
- 4 Rich systematic approach for creating, configuring, managing, and reusing product structures
- 5 Design documentation certification and revision control
- 6 Electronic data library for documentation
- 7 Asset management includes life limited components, "as-is" configurations, warranties, etc.
- 8 Change lifecycle includes: variances, ECPs, Modification Work Orders, and Special Operations Maintenance Messages
- 9 Advanced analytics and dashboard views

TECHNICAL INFORMATION

JCMIS Objectives

- Ensure easier and safer maintenance of required system design and operation data
- Create web-based access to configuration data
- Automate, standardize, and streamline resource and asset management to improve system maintenance

Products Used

- Oracle relational database technology
- ColdFusion Enterprise
- Flash Player
- Microsoft Internet Explorer

Services Offered

JCMIS System Software

- Supports up to entire enterprise

Configuration Management Support Services

- On-site/Off-site JCMIS Support Staff
- Database Administrators (DBA)
- System Administration (SA)

JCMIS Team Visit

- Program briefs, software demos, software installation and data migration planning

Installation Assistance

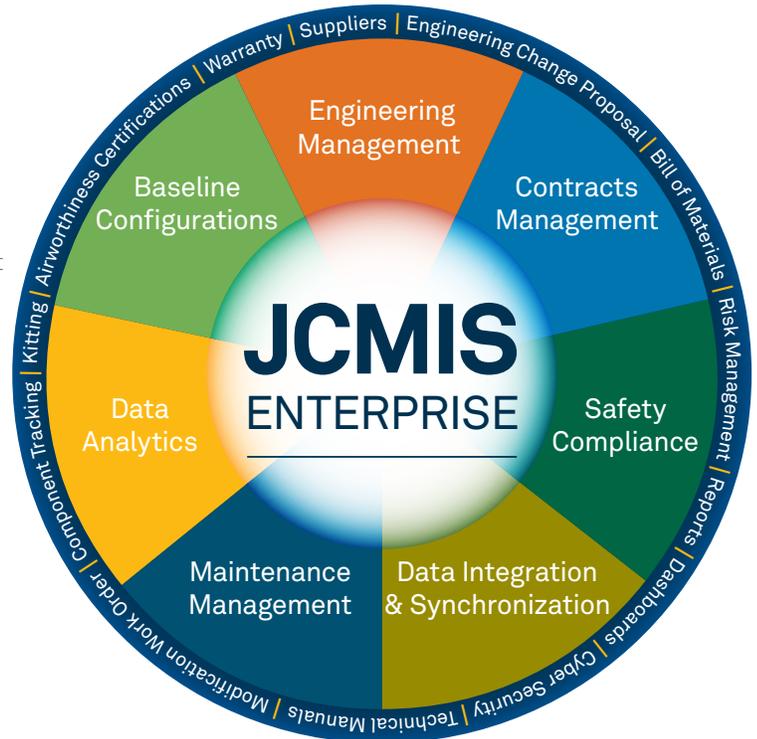
- JCMIS software application
- Oracle Database Export File
- Leverage Existing Data Migration Scripts

Customer Service

- Help Desk
- Software Change Request/Software Problem Report Tracking
- DBA & System Administrator Technical Support
- Training at our site or customer site

Software Maintenance and Engineering Support

- Technical & Product software



JCMIS Customers

- Naval Air Systems Command
- Joint Strike Fighter Program Office
- Department of Homeland Security, Customs and Border Protection, St. Indigoes, Maryland
- U.S. Marine Corps Logistics Center
- U.S. Army Technical Applications Program Office (TAPO)
- Hexagon Corporation

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About Hexagon US Federal

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