

EAGLE EPS (military)

Enhanced Automated Graphical Logistics Environment — EAGLE Publishing System



EAGLE EPS

EAGLE Publishing System (EPS) is an ASD S1000D compliant authoring system and Common Source Database (CSDB). Used to generate technical data for interactive electronic manuals (IETMs). It has the unique ability to directly use task and provisioning data from the EAGLE Logistic Toolset to generate technical manuals.

Benefits

- Create, manage and publish technical manual data to international standards
- Integrated SGML/XML editor with PDF view and validation
- Reuse EAGLE LSAR data to populate ASD S1000D data modules and MIL-STD-40051-1A work packages
- Intuitive and user configurable to maximize productivity
- Single database and client application install simplifies support and system upgrades
- Interactive electronic technical manual (IETM) preview for the writer:
 - NSIV
 - IADS
 - TrilogiReview
 - PDF
 - Others

For over two decades the Raytheon EAGLE team has been developing world-class software solutions designed to support the production and management of program logistics, documentation and product support data.

EAGLE Publishing System (EPS) is a common source database (CSDB) and software application to author and manage data used in the production of interactive electronic technical manuals (IETMs).

EPS was designed by the Raytheon EAGLE team from the ground up to be fast, powerful, intuitive and robust. It incorporates many user requested features to facilitate rapid data production and includes program management functions that facilitate on-time production at minimal cost. Easy to use and intuitive productivity tools and features assist the technical writers to

produce and validate content quickly and accurately.

EPS is a complete and flexible solution. It supports all issues of ASD S1000D (including F-35) and MIL-STD-40051-1A data using the same client and database. Everything is provided in one install: CSDB, content editor, publication module editor and PDF document generator.

EPS includes a fully integrated SGML/XML editor with real-time what you see is what you get content view and navigation. It has the ability to search the database and assist the author to create references to internal and external objects. It continually checks the content for schema validity and conformance with the business rules, helping technical authors produce data quickly and accurately.

Technical data can be viewed directly from EPS by the writer in either IETM or PDF format, no additional processing is necessary.

PDF documents can also be generated on demand. EPS can work with other IETM viewer applications as required.

All graphic and multimedia objects are stored and the configuration is managed in the database. Data production is work-flow driven and user account roles assist with the division of labor and access permissions. Many users across wide geographical areas can collaborate in the production and review of technical data.

All of the EAGLE products share a common Oracle database. This enables the reuse of data between the EAGLE applications without having to transfer data between systems. EPS can work as a stand-alone authoring and content management environment. However, EPS also has the ability to interface seamlessly with the EAGLE Logistics Toolset (LSAR).



Reuse of LSAR data

The integrated EAGLE applications and database provide a unique environment where maintenance task information can be reused to produce technical data for IETM delivery. Logistics Support Analysis (LSA) data is used to populate the following data module types: procedural, maintenance planning data, fault isolation and Illustrated Parts.

About Raytheon Intelligence, Information and Services

Raytheon Intelligence, Information and Services (IIS) is a leader in intelligence, surveillance and reconnaissance, advanced cyber solutions, weather and environmental solutions, information-based solutions for law enforcement and homeland security, and training, logistics, engineering, product support, and operational support services and solutions for the Mission Support, homeland security space, civil aviation, counter proliferation and counter-terrorism markets.

Capabilities

A leader in providing logistics software solutions, EAGLE Publishing System capabilities include:

- Data module templates
- Powerful standard numbering system editor
- Integrated editor with preview and validation
- Preview in IETM viewers
- Workflow and roles based configuration management
- Support for ASD S1000D, MIL-STD-40051-1A and F-35
- Reuse EAGLE LSAR data to populate technical manuals
- Global search and replace functions
- Publication module editor and validation
- Completion status reports
- EAGLE LSA task narrative edits directly from EPS
- Data transfer packets
- Publications can contain data pulled from any project
- Custom project status for each data module
- Support for S1000D Common Information Repositories (CIR)
- Custom stylesheets
- ✓ Integration with Etteplan HyperSTE content checker

Contact Details

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EAGLE ELT

Enhanced Automated Graphical Logistics Environment — EAGLE Logistics Toolset



EAGLE ELT

ELT is the world-class logistics toolset and logistic support analysis record (LSAR) to perform logistic support analysis (LSA). It is used to make sure that the optimum cost-effective support solution is derived to ensure best possible availability of the product. It has the ability to reuse data to create the required technical manuals.

Benefits

- Complies with LSAR specifications; MIL-STD-1388-2B, Def-Stan 00-60, GEIA-STD-0007 and ASD S3000L
- Integrated analysis tools assist with developing the optimum support plan
- Ad hoc query tool provides extensive data retrieval and report generation capabilities
- Integrated editor to write task narrative ready for technical manual production
- LSAR data can populate MIL-STD-40051-1A and ASD S1000D tech manuals in EAGLE Publishing System (EPS)

For over two decades the Raytheon EAGLE team has been developing world-class software solutions designed to support the production and management of program logistics, documentation and product support data.

The EAGLE Logistics Toolset (ELT) is a technologically innovative logistics toolset employing a robust central database as the repository for all logistics products developed through logistics support analysis (LSA).

Integrated Logistics Support (ILS) is a methodology that defines a structured approach to the development of logistics plans and products. LSA is the analysis techniques used to ensure that all support resources necessary to operate and maintain equipment through life are correctly identified.

ELT is a collection of tools to perform LSA, record and report the results. It is used by programs to import and develop the bill of materials (BOM) and identify provisioning and support requirements.

Reliability Centered Maintenance (RCM) analysis identifies preventive maintenance actions or redesign for safety requirements.

Maintenance Task Analysis (MTA) determines the required task resources, personnel, tools, spares, supplies and the task narrative to perform the maintenance activity.

Part information can be used to rapidly and accurately create technical manual illustrated parts data. Engineering data changes automatically flow into the manuals.

Maintenance task data can be used to populate ASD S1000D data modules or MIL-STD-40051-1A work packages in the EAGLE Publishing System (EPS) with the click of a button.

The integrated EAGLE editor allows task narratives to be authored ready for use in EPS. The editor simplifies the technical authoring by providing a real-time what you see is what you get content view and navigation.



Capabilities

A leader in providing logistics software solutions, EAGLE Logistics Toolset disciplines include:

- Ad hoc
- Administration
- Breakdown structure
- Facilities
- Graphics
- LCN maintenance
- LSA management
- Operations maintenance
- Personnel skills
- Provisioning
- RMT management
- Reliability and maintainability
- Reports
- Spares modeling
- Support equipment
- Task analysis
- Technical manual
- Transportation
- User reports
- Wizards

Ad Hoc Query

The ad hoc tool can query the complete database, filter and sort records and produce reports. It can also be used to import data directly from spreadsheets. Queries can be saved to the system for later recall and sharing across users.

Reports

The EAGLE Logistics Toolset can produce any standard LSA report as defines by the ILS specifications. Organizations can also add their own custom reports.

MMIS

Data in the EAGLE Logistics Toolset database can be used by the EAGLE Maintenance Management Information System (MMIS) once the product is in operation.

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EAGLE MMIS

Enhanced Automated Graphical Logistics Environment — EAGLE Maintenance Management Information System (MMIS)



EAGLE MMIS

MMIS is used by all stakeholders to achieve the maximum reliability and availability of the product through supply-chain management, failure cause identification and repair cycle management. Key performance metrics are automatically generated for the program office and customer in real-time.

Benefits

- A web-based application for the management of maintenance and overhaul activities accessible by all stakeholders
- Provides real time total asset visibility including location, configuration, serviceability status and history
- Centralized location to conduct Failure Reporting, Analysis and Corrective Action System (FRACAS)
- Interfaces with other enterprise systems removing boundaries
- Manage preventative maintenance
- Warehouse management
- Complete configuration management (as built, as maintained, history and engineering changes)

For over two decades the Raytheon EAGLE team has been developing world-class software solutions designed to support the production and management of program logistics, documentation and product support data.

The EAGLE Maintenance Management Information System (MMIS) is a web-based application specifically designed to assist programs and maintainers plan, manage and record maintenance operations and activities.

Properly managed maintenance regimens are essential to ensure system performance and availability and can avoid failure induced costs. Good failure reporting and analysis can identify root causes and help develop corrective action to mitigate failure trends.

MMIS can use the Logistics Support Analysis data developed during the product development phase as the equipment baseline and facilitate the management of the fielded product through its operational life. It has the capability to fuse data generated by repair facilities, forward depots, customers, subcontractors, and field representatives by providing a common data repository with global access.

MMIS provides the essential process visibility and data transparency with easy, secure access to data over the Internet.

Information is provided in real time, which is critical to success. All program personnel have access to information such as equipment location, serviceability status, reliability, repair loop progress and outstanding requisitions.

Users generate reports with a standard browser. Vital information is available to office desks as well as mobile devices in the field.

MMIS connects all program stakeholders from customers and support providers to third tier suppliers through its shared data environment, helping avoid confusion and maximizing efficiency.

User configurable dashboards provide constantly updated key data presented in real-time graphical representations of the live data.



MMIS is one of the world-class EAGLE logistics software solutions used all over the globe.

MMIS links the real worlds of design, engineering, production and in-service support.

The Ad Hoc tool can query the complete database, filter and sort records and produce reports.

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Capabilities

MMIS provides an online status and history of virtually all program data to authorized users. The major features are:

- Data is maintained in real time by users through web pages
- Reports are built on-demand from current data
- Access to the data is controlled by user roles and permissions
- Data is available via Intranet (or Internet) at virtually any location
- Integrated with Electronic Data Interchange systems
- Project and program data is securely separated
- Integrated Automatic Email notification system
- Contract management
- Purchase and repair order tracking
- Preventative maintenance tracking
- Repair process work flow
- Warehousing support
- Real-time reporting
- External systems interfaces
- Parts Management
 - Allowed alternatives
 - Part details
 - Obsolescence
 - Warranty management
 - Vendor information
- Inventory Management
 - Barcoding
 - Shipping and Receiving
 - Serialized and Non-serialized asset tracking
 - Part requests
 - Location tracking
 - Usage management

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