

EAGLE™ Disciplines

EAGLE is organized into task-specific “disciplines,” or modules, for optimal information management. This document outlines the disciplines incorporated in EAGLE, and their functions. It shows how EAGLE users can meet a broad spectrum of needs through one integrated, growth-oriented solution.

AdHoc – AdHoc allows users to access the complete EAGLE database to define and generate unique reports for *ad hoc* needs. For example, in the military arena, this discipline could determine the configuration of a fleet of aircraft by serial number. AdHoc’s user-friendly screens enable you to produce such reports quickly and efficiently. To begin using this discipline, no prior experience with spreadsheets is necessary.

LCN Maintenance – LCN Maintenance is the starting point for establishing a logistics database. It creates the foundation tables, and key data elements such as end item, logistics control number (LCN), and CAGE code.

Breakdown Structure – This discipline shows the LCN structure of an end item hierarchically, in a graphical format. Users see the complete system — for example, all the component parts of a vehicle — broken down by LCN or part application. They can then move the parts or LCNs around within the structure. Breakdown Structure can be particularly helpful in documenting an item’s structure during its design or modification phase.

Provisioning – The more data that provisioners have, the more effective they can be, and EAGLE’s Provisioning discipline provides access to vast amounts of information. In addition, the data can be sorted in numerous ways. For example, users can select a part number and obtain a summary of all corresponding part information. Users can expand and manipulate the data, as needed, to allow very specific searches. To navigate this discipline, you simply select the appropriate tab and click.

ICAPS (Interactive Computer-Aided Provisioning System) – As information is entered into the database, ICAPS automatically translates the data into the appropriate format. In the military arena, this means that even users unfamiliar with the required LSAR format can correctly enter data. Commercial users may also find this format effective.

Support Equipment – This discipline tracks support, test, and training equipment data and identifies the hardware and software required for off-line tests. In addition, it automatically generates standard military reports such as LSA-070 and FORMS 9 and 603.

Task Analysis – Designed for managing complex systems, this discipline tracks task analysis, personnel, and support equipment documentation and provides users with speedy access to all applicable maintenance data. Skills, tools, facilities, and other requirements are presented in detail. In addition, logistics tasks can be linked to full-motion video to demonstrate the steps involved in a task.

Technical Manual – What would you do if a client requested a customized, 250-page technical manual and had to have it the same day? Using EAGLE’s Technical Manual discipline, you could accomplish the task at the touch of a button. You specify the manual required, and Technical Manual uses information stored in the database to automatically generate a new or previously stored technical manual.

Reliability, Availability, and Maintainability (RAM) Data Finder – This discipline tracks an item’s RAM data. It also describes the function of each component of an end item, and outlines the maintenance concept to be used for design and support planning. When potential redesign of an item is analyzed, users can add narrative comments on the analysis.

Facilities – The Facilities discipline tracks data that describes and justifies proposed facilities, and modifications to existing facilities. It also produces reports based on this data.

Operations Maintenance – This discipline tracks data regarding an end item’s anticipated operation, its maintenance environment, and the corresponding maintenance requirements.

Personnel Skills – The Personnel Skills discipline tracks descriptions and justifications of new or modified personnel skills required for end item support.

Transportation – This discipline tracks engineering analysis data pertaining to end item transportation, such as shipping methods and environmental considerations.

Reports – EAGLE offers the 48 military standard reports, and virtually unlimited custom-report capability. Using the Reports discipline, users can easily generate the desired report from any EAGLE location. Simply select the type of report required, and Reports will guide you through its creation, enabling you to narrow the scope of the report, as needed.

Depot Management – From tracking a major fleet of vehicles to managing warranty records for an extensive line of products, this discipline can meet your most demanding maintenance requirements. In the military arena, Depot Management can track the maintenance records of every missile and missile part, and every upgrade to each part. For commercial users, it provides a powerful solution for tracking contracts, inventory, and related information.

FRACAS (Failure Reporting Analysis and Corrective Action System) – Based on MIL-STD-2155, FRACAS enables users to track a failure through its life cycle to determine the root cause. It also links the failure data to EAGLE’s LSAR relational database for reporting mean time between failures. FRACAS uses LSAR as the starting point for failure analysis.

Engineering Failure System – The Engineering Failure System tracks and analyzes engineering failures and defects during the equipment manufacturing process. Users can also link a failure to the process during which it occurred. With its built-in problem solving approach, this discipline saves time and money and can stop critical failures from recurring.

Graphics – Graphics stores, maintains, and provides quick access to technical drawings and artwork. This material can be stored in a variety of formats, and easily retrieved for display at conferences or meetings. While displaying a design, users can add markups and labels as an overlay and print the results without changing the original drawing.

Administration – Administration gives you the power and flexibility to customize the EAGLE disciplines to your specific needs. For example, when you decide which disciplines you want to use, you can set up your menu accordingly (and even add third-party software). You can also specify colors and defaults, and opt to import or export LSAR full-file or change-only data.

LSA Management – This discipline allows you to track engineering changes and exercise configuration control within the LSAR database. It stores packaging, item identification, part application, and reliability information. It also offers additional storage capacity for data such as validation and product life expectancy information, and customer requirements, comments, and responses.

Spares Modeling – This discipline is used to add spares modeling information to the EAGLE database. It identifies the spares and support equipment needed for customer support, and their potential cost. It also provides a model for calculating resource requirements recommendations.

Spares Order System – The Spares Order System enables users to create and maintain contractual, part, and line item information pertaining to spares. It generates the Spares Release Schedule and Spares Shipping Order.

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