

EAGLE Version 17.0
M0 Build 0033

Updated 5 March 2019

IMPORTANT NOTICE

EAGLE contains a license management system that assures the user they are not in violation of the terms of their license agreement. This license management system is called FLEXnet Publisher.

Please ensure you have obtained an updated license file from the EAGLE Help Desk before upgrading. For more information, please refer to the EAGLE License Management document "EAGLE License Management.pdf", distributed with EAGLE or available on the EAGLE website:

http://www.raytheoneagle.com/support_publications.html

General Information

EAGLE 17.0 has been tested on the production release of Windows Server 2008, and Windows 7, 32-bit and 64-bit, and Windows 10. No known platform-specific issues exist at this time, and we believe that most customer applications will run correctly. If you find any anomalies with EAGLE performance on Windows Server 2008, Windows 7 (32-bit or 64-bit), or Windows 10, please report them to the EAGLE support hot line (see below for contact information).

NOTE 1: Oracle 11g or above is required for EAGLE.

NOTE 2: EAGLE is a 32-bit application that requires a 32-bit Oracle Client.

NOTE 3: It is recommended that the client version of Oracle match the version of Oracle on the database server.

NOTE 4: EPS and the EAGLE XML Editor require .NET Framework 4.0 or above.

NOTE 5: EAGLE 10.0.0 was the last release that supported the interface between EAGLE and the PTC Products, PTC Arbortext CSDB for S1000D and PTC Arbortext Provisioning Manager and Parts Catalog Manager for S1000D.

NOTE 6: The Alternate LCN Code (ALC) has been changed from a number to a character in the database and will now be padded to two characters (a leading zero will be added to single digit entries). Customers using external tools may need to address the change in their code.

NOTE 7: EAGLE 12.0 was the last release that was tested with Windows XP

NOTE 8: EAGLE 14.0 was the last release to support the Arbortext Editor. Arbortext Editor is no longer supported by the EAGLE/EPS software.

NOTE 9: EPS Arbortext Editor Plug-in will not execute with EAGLE 17.0 and beyond.

Larson CGM Viewer SDK – Copyright (c) Larson Software Technology, Inc.

ORACLE

EAGLE recommends Oracle Client 11g or above (32-bit) on 64-bit Windows platforms. Please contact the EAGLE Help Desk for more information.

Version 17.0 Highlights - EAGLE

All

- A user interface is provided to create/edit language translation files [16M1/0000]
- The spell checker now handles issues opening the custom dictionary more elegantly [16M1/0000]
- Upon running into unhandled exceptions EAGLE prompts the user whether to continue or halt execution [16M1/0000]
- Improved the accuracy of certain error messages [16M1/0000]
- Enhanced versioning information was added to the About EAGLE screen. [17M0/0000]

AdHoc

- Ad Hoc can be used to manipulate data involving XMLType columns [16M1/0000]
- Fixed a problem where table CUU was not appearing in the table list. [16M1/0000]
- Key Field values in CU and CUU tables can be updated [16M1/0000]
- Query Type drop down box values are now restricted to meaningful values. [16M1/0000]
- Added support for SQL with comments and empty lines. [16M1/0000]
- When using the IN operator from the WHERE window and reading values from a file, the list generated is no longer malformed. [17M0/0000]

Administration

- Added an option to use Windows login credentials to log into the EAGLE Database [16M1/0000]
- Administrators may now assign EAGLE_SA role to users in the User Security Maintenance Window. [16M1/0000]
- If the specification type is changed in the system defaults a warning is presented to the user if an end item is already created. Issue/Revision changes to End Item Defaults are presented with a warning as well [16M1/0000]
- Import fullfile has been changed to save the user options in "Specific Parameters" screen [16M1/0000]
- Improved the display of the Full File Import parameter screen. [16M1/0000]
- In the Create Fullfile standard parameters tab, the drop down box for UOC has been changed to display values sorted alphabetically [16M1/0000]
- Increased the speed of fullfile out when filtered by LCN Range. [16M1/0000]
- Increased the speed of fullfile out when filtered by UOC. [16M1/0000]
- It is now possible to create users without the EAGLE_USER_ROLE, given that the user has at least one other role. [16M1/0000]
- Improved error handling when an Oracle component mismatch is detected while attempting to import a 0007 Full File [16M1/0039]
- Performance enhancements were made to the Modify Fullfile Settings window. [16M1/0055]

- Change file export can be successfully completed when REPORTS user password is encrypted [17M0/0000]
- Database Audit Trail now refreshes the screen after deleting a set of records [17M0/0000]
- EAGLE XML Change File creation now correctly includes the USERIDZU column. [17M0/0000]
- Fullfile import now processes Table BC7B in the correct order when single-threading is selected. [17M0/0000]
- The Change File processor for 0007 Format no longer detect false positive changes in unit_of_issue_conversion_factor and special_packaging_instruction_number_julian_date. [17M0/0000]
- The EAGLE XML Full File Import no longer attempts to import all End Items regardless of the End Item selected. [17M0/0000]
- The End Item Flags HTASKRULE and REPORTS_USE_XG_MAPPING are now found in the End Item Flag library ZHLP_EIFLAG. [17M0/0000]
- The UOC and LCN range fields in the Create Fullfile screen are now disabled in cases where these features are not available. [17M0/0000]

Breakdown Navigation

- When moving subassemblies, a user may now specify an LCN gap to the newly assigned LCNs [16M1/0041]

F-35 Lightning II

- No significant changes for this release

Facilities

- No significant changes for this release

Graphics

- No significant changes for this release

ICAPS (Not Applicable to EAGLE 00-60)

- No significant changes for this release

LCN Maintenance

- Rule XC.d now cites the correct rule number in 0007B systems [16M1/0000]
- The Assign LCNs to BOM application now allows the selection of any field from Tables XB, XH, HA, HG or BA for import. [17M0/0000]
- The columns shown in the "Clipboard Format" of the LCNs to BOM application now display the correct order. [17M0/0000]
- Unique constraints on non-English systems are now correctly suppressed in the LCNs to BOM utility. [17M0/0000]

LSA Management

- New field non recurring task has been added to table TCA and a check box has been added to the Task Management to support the above column [16M1/0000]
- The Life Narrative field text is now preserved when saving changes to other fields. [16M1/0000]

Operations Maintenance

- No significant changes for this release.

Navigator

- Navigator has been changed to disable users from making modifications to it [16M1/0000]

Personnel Skills

- No significant changes for this release.

Provisioning

- FSC Value (HA.FSCNSNHA) is now displayed with zero padding if zero padding option is turned on [16M1/0000]
- Improved the readability of the RNVC and RNCC fields when using the double-click shortcut to navigate to Tables HA and HB in 0007 systems. [16M1/0000]
- Upon update of RNCC value in HA table make sure a row does not exist in HB table with the same value of RNCC and additional ref number and additional cage code matching the primary. [16M1/0000]
- Context sensitive menu in provisioning finder has been enhanced to include "HL - Parts Manual Provisioning Nomenclature". [16M1/0000]
- AAA, XXX and ZZZ are now accepted values for Intermediate Container Quantities in 0007 systems. [17M0/0000]
- Added the ability to save long item names to Table THA for use in the EAGLE Codification Tool. [17M0/0000]
- The user is now correctly prompted to save when navigating away from the HI or HL tabs with changes having been made. [17M0/0000]

Reliability, Maintainability and Testability (RMT)

- No significant changes for this release.

Reliability & Maintainability (RAM)

- Corrected a spelling mistake in the Safety Hazard Severity Code Drop Down List Box. [16M1/0000]
- On 0007 Systems, the Item Function Narrative screen no longer automatically inserts the User ID into the USERIDZU column [17M0/0000]

- The Item Function LCN Assignment screen no longer generates an erroneous primary key constraint when inserting. [17M0/0000]

Reports

- The Change Authority Number drop down list box in the LSA-036 specific parameters screen no longer displays Change Authority Numbers from other End Items. [16M1/0000]
- The LSA-024 report was modified to correct the Part II interval calculations when outputting Functional LCNs. Problem occurred when a REPORTS_USE_XG_MAPPING flag is set to NO in the zenditems_flag table. [16M1/0000]
- The LSA-019 report no longer reports provisioned items from part usage in applications other than those which are documented in Table CI for the subject task. [17M0/0000]
- The LSA-024 report was modified so that Header H Table Keys are sorted by functional LCN and ALC when prefer functional LCNs. This corrects an issue where the wrong reference number was displayed on the first page of the report in rare situations. [17M0/0000]
- The LSA-152 report was modified so that it does not check for a UOC connection to the parent when the LCN being processed is the start LCN and it represents a system or end item. This was causing problems when generating PLISN values for separately provisioned end items. [17M0/0000]
- Updated the JIC/ROM reports. [17M0/0000]

S3000L

- No significant changes for this release

Spares Modeling

- No significant changes for this release

Support Equipment

- Fixed the label for support equipment data window under Add/Delete to be centered [16M1/0000]
- It is now possible to delete records from the GF AE tab [16M1/0000]

Task Analysis

- Corrected an issue in 0007B systems whereby the full 47 characters could not be stored in the Graphic Source Identification field in Entity CM. [16M1/0000]
- Users are given the option to resequence subtasks upon entering a subtask with duplicate sub task number [16M1/0000]
- Enhanced the user experience when performing a Bulk Release using the DM Release/WP Build feature. [16M1/0000]
- It is now possible to associate a graphic with a Warning/Caution/Note library record for later use in the EAGLE Publishing System. [17M0/0000]
- Key field changes in Table CI now preserves related ZCICBX records. [17M0/0000]
- On 2B and 0007 systems, O/M Levels K ("Contractor Facility") and Z ("Reference Only") are now allowed in the third subfield of the Task Code and are now available in the Task Code Builder. [17M0/0000]

- When an original task is deleted but the referencing tasks retained, the TSOURCE and TCA data documented against the referencing tasks is no longer affected. [17M0/0000]

Tech Data Module Maintenance

- No significant changes for this release

Tech Manual

- Corrected a data validation issue in 0007B systems related to the narrative code specific for Cargo Tie-downs. [16M1/0000]
- It is now possible to associate artworks with Figure Numbers less than 4 characters in length [16M1/0000]
- Lower case applicability values can now be entered in the applicability field of the ISN tab in the ISN maintenance screen. [16M1/0000]
- Added a feature to the RFD tab which allows a Reference Designator to apply to a single use of a part, or all uses of a part, in accordance with the usage in the LSA-030 [17M0/0000]
- The Applicability lookup tool now correctly finds all Issue 4.1 and 4.2 ID tags. [17M0/0000]
- The Design IPB screen now takes into account if the "Reserve Variant Character" checkbox is enabled when sorting Item Numbers. [17M0/0000]
- The IPB Designer has been enlarged, includes UOC and SMR finding capability, and have other minor usability enhancements [17M0/0000]

Data Module Usable On Code Maintenance Window

- No significant changes for this release.

IPB System

- In End Items linked with a MIL-STD-40051 project in EAGLE Publishing System, graphics added with the IPB Builder are now linked correctly [16M0 / 0000].

Training Analysis

- No significant changes for this release

Transportation

- Corrected a data validation issue in 0007B systems related to the narrative code specific for Cargo Tie-downs. [16M1/0000]

User Reports

- No significant changes for this release

Wizards

- Fixed the user selection to work properly for LCN Type field in DED 230 calculation screen [16M1/0000]

Version 17.0 Highlights – EAGLE Publishing System

General

- Added a place to enter and store comments/notes against an EPS Project. [16M0/0000]
- Added action log for Entities [16M0/0000]
- SVGs do not lose text when viewed in a PDF. [16M0/0000]
- A user is now notified if a DM they are authoring is set to Rework or Approved. [16M1/0000]
- Added ability to specify custom IDs for graphic tags [16M1/0000]
- Added a quick launch icon to the XML Editor log file. [17M0/0000]
- Added EPS report that tells user which Procedural Data Modules are not linked to a Task (CA record) in the EAGLE LSAR [17M0/0000]
- Added the ability to overwrite existing entities on import. [17M0/0000]
- Allow users to select their table set when creating or importing a fullfile via the EPS fullfile utility. [17M0/0000]
- ATA 1000BR 4.2 PDF output support using stylesheets. [17M0/0000]
- EPS no longer need MS Excel to save data to a spreadsheet. [17M0/0000]
- Single sign on support for EAGLE and EPS. [17M0/0000]
- Embed CGM graphics into PDFs when using stylesheets [17M0/0000]

ASD S1000D

- Added the ability to apply an applicability ID to a figures in an linked IPD. [16M0/0000]
- Added the ability to choose to only update data modules that are APPROVED or PUBLISHED status in a publication module. [16M0/0000]
- Warning and Caution CIR support for linked Procedural data modules [16M0/0000]
- Warnings, Cautions and Notes from the EAGLE W/C/N library (CL2) now flow into the linked data module XML. [16M0/0000]
- When releasing a IPD data module modelIdentCode and systemDiffCode attributes are now populated when CSNRef is created. [16M0/0000]
- Ability to automatically generate an IPD Numerical Index from a pub module. [16M1/0000]
- Added a report tool in Publication tab to display to users which DMs have changed in current Pub from previous Issues [16M1/0000]
- Added the ability to edit publication module XML attributes in the Publication Editor. [16M1/0000]
- CIR References in IPD data module support. [16M1/0000]
- Display Reference Info screen now displays the author. [16M1/0000]
- Fixed issue with DM history rollback with SGML projects [16M1/0000]
- ICC is now displayed when inserting an LSA Xref in the XML Editor [16M1/0000]
- Added a flag to turn on/off BREX requirement when validating Pub Modules. [17M0/0000]

- Added ability to run EPS Custom Reports on currently selected Data Modules in the Data Module tab. [17M0/0000]
- Added applicability filtering during publishing for S1000D issue 2.2 [17M0/0000]
- Added the ability to generate the organizations CIR (00K) using existing CAGE Code data. [17M0/0000]
- Added the capability to edit a publication modules's pm tag attributes in the pub module editor screen. [17M0/0000]
- An IPBs HK Figure number can now support alpha-numeric characters. [17M0/0000]
- CIR are no longer included in the reference table if they are resolved. [17M0/0000]
- EPS Previewer handles IPD table resizing when clicking on a part hyper link. [17M0/0000]
- Graphics are now shown in the PDF Preview when editing XML templates in the XML Editor. [17M0/0000]
- Multimedia tagged entities will now get the entity title back filled on import data module. [17M0/0000]
- Notation declaration support for all types supported by S1000D. [17M0/0000]
- The LOA, LOT and LOS pages are always output when publishing a PDF to the ATA 1000BR 4.2 format. [17M0/0000]
- The notation of the publication module logo is now included if the 'include notations' option is selected. [17M0/0000]
- The S1000D publisher now uses the language and country code from the data module XML. [17M0/0000]
- The validate internal and external references will give a warning if the referenced object is not the same security classification as the DM. [17M0/0000]
- Update DM Release to build Data Module references table utilizing retained reference elements from DM Content section (applies to S1000D Issue 4.1 and later). [17M0/0000]
- Updated database triggers to flag a Task Associated Data Module as needing to be re-built from EAGLE when the Data Module is associated to a did-associated from a record in the Warning/Caution/Note library stored in EAGLE table CLL. [17M0/0000]
- Updated Project creation functionality to provide a real time status update feature that informs the user which step is currently underway. E.G. Creating SNS, Populating Information Codes, Updating XML Skeletons. [17M0/0000]
- Updated S1000D Edit Publication window to accurately show DM Status (correct icons). [17M0/0000]
- When creating a Publication that contains PDFs as Entities, software will now retain those PDFs in the main Publication folder instead of moving them to the sub-folder named "PDF" where the PDFs of the Data Modules are relocated. [17M0/0000]

MIL-STD-40051

- Added the ability to support multiple graphics in 40051 linked PLWP work packages (RPTSL) [16M1/0000]
- Fixed issue with 40051 RPSTL graphics [16M1/0000]
- Allow MIL-STD-40051 users to customize the Expendable and Durable Items List output per custom ICC values chosen via End Item Advanced Settings utility in EPS. [17M0/0000]
- Support for the MIL-STD-40051 "40051C_6_0.dtd" DTD [17M0/0000]
- The WPID field is now editable when creating a new work package. [17M0/0000]

PDF Builder

- Added PDF support for Learning DM Type. [16M1/0000]

XML Editor

- The CAGE/Part Number/Item Name is now shown when inserting internal ref into the XML Editor. [16M0/0000]
- XML Editor now keeps track of the PDF Print Preview window size. [16M0/0000]
- XML Editor now supports the xlink attribute prefix. [16M0/0000]
- XML Editor PDF Preview now supports previewing most SVGs [16M0/0000]
- XML Editor support for direct Japanese IME typing. [16M0/0000]
- XML Editor Hebrew Language Support [16M1/0000]
- Added shortcuts to the XML Editor for validating the XML. [17M0/0000]
- Updated the PDF preview in the XML Editor to display Japanese characters. [17M0/0000]

JSF

No significant changes for this release

Installation

To Begin:

To install EAGLE 17.0 and EAGLE Publishing System 17.0, please run SETUP.EXE from the installation CD.

If S1000D or MIL-STD-40051 SGML/XML editing is going to be performed, refer to the “[How to Setup the EAGLE XML Editor](#)” below.

EAGLE Publishing System Installation

EAGLE Publishing System is purchased as an add-on to EAGLE and needs a separate license to run.

Using the included EAGLE XML Editor significantly reduces the time and effort required to edit items in the EAGLE Publishing System. The setup instructions for using the EAGLE XML Editor are under “[How to Setup the EAGLE XML Editor](#)” below.

How to Setup the EAGLE XML Editor

EAGLE includes an EAGLE XML Editor that is available for editing XML data modules for S1000D Issue 1.8 and later and XML work packages for 40051C Version 3.28, 3.29 and 5.0. To use the EAGLE XML Editor, perform one of the following steps:

1. In EAGLE, under the Tools>>Options menu item, select EAGLE XML from the Editor: drop down list box.

or

2. In EAGLE Publishing System, under the Tools>>System Details menu item, select EAGLE XML from the XML Editor: drop down list box.

How to Setup a Generic Printer for Printing to a File

For a Windows 7 Operating System:

1. Click Start and "Devices and Printers"
2. In the header at the top (below the path name) select "add a printer"
3. Select Add a local printer
4. Select radio button "use an existing port" and select from the drop down "FILE: print to file" and choose next
5. Under Manufacturer select "Generic" and under printers select "Generic / Text Only" then choose next
6. Input the printer name and choose next
7. Select the radio button do not share this printer and choose next
8. Uncheck the checkbox for setting the default printer and choose Finish

For Further Information

EAGLE offers a support hot line (EAGLE Help Desk). The Team EAGLE support hot line phone number is:

1-520-663-6673

You will be asked to leave a message and a Team EAGLE support representative will call you back. The support line is available Monday through Friday 8:00am to 4:30pm Mountain Standard time.

EAGLE also offers an e-mail option for the EAGLE Help Desk. Send E-Mail to:

raytheoneagle@raytheon.com

Send all correspondence to:

Team EAGLE
Raytheon Company
TU, Bldg. M30, S16
P.O. Box 11337
Tucson, Arizona 85734-1337 USA
9030 South Rita Road
Tucson, Arizona 85744 USA