

EAGLE Version 18.0
M1 Build 0126

Updated December 7, 2020

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 18.1 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: EAGLE has been validated with Oracle 12c, 18c and 19c databases.

NOTE 2: EAGLE is a 32-bit application that requires the 32-bit Oracle Runtime client software to be installed.

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

NOTE 4: .NET Framework 4.0 or above is required.

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 18.1 Highlights - EAGLE

All

- Fixed an issue where the insertion point was occasionally getting placed at the front of pasted text.

AdHoc

- Fixed an issue where pastes were not being allowed into numeric fields in Ad Hoc
- Fixed an issue where Ad Hoc was not detecting changes properly.
- The Ad Hoc Results Editor now attempts to "Best-fit Columns" automatically where applicable.
- Ad Hoc is now only displayed once in the Ad Hoc Table selection list.
- Circuit Breaker Type (HA.CRCBTYHA) is no longer automatically converted to upper case by the Ad Hoc Results Editor.

Administration

- Fixed issue retrieving incorrect results on the End Item Unique Program Required Fields screen
- A user with database password ending in an equal sign is now able to create and import data exchange files in 0007 format.
- The Full File Message File now has a less verbose reporting option.
- Fixed an issue where narrative changes against table CC was reporting changes in other tables when generating a Change Only file.
- The Full File Import/Export can now process XMLType columns.
- The EAGLE system may now be configured to the DEF-AUST-5692 specification.
- Full File Import no longer crashes when importing an EAGLE XML format Full File containing a date value having the DD-MON-YY format.
- Full File Import no longer crashes when importing an EAGLE XML format Full File containing a date value having the DD-MON-YY format.
- The EAGLE XML Full File Import Processor now supports dates in DD-MON-YY format.
- Full File Export in EAGLE XML no longer unconditionally skips Table GD.
- The Change File Import Processor now more elegantly handles empty XML elements.
- Improvements were made to the Create Change File processor to better prevent reporting erroneous changes

Breakdown Navigation

- No significant changes for this release.

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

- A record count was added to the XG Functional-to-Physical Mapping screen.

LSA Management

- No significant changes for this release.

Operations Maintenance

- No significant changes for this release.

Navigator

- No significant changes for this release.

Personnel Skills

- No significant changes for this release.

Provisioning

- Circuit Breaker Type entries were incorrectly being automatically upper-cased. Additionally, lower-case values were added to a dropdown in the interface.
- Fixed an issue with retrievals on the ICAPS header information screen.

Reliability, Maintainability and Testability (RMT)

- No significant changes for this release.

Reliability & Maintainability (RAM)

- The RAM Characteristics screen now resizes correctly in DEF STAN 00-60 systems.

Reports

- The Customer-Specific LSA-NG024 now generates PDF output and allows special symbols.
- The LSA-085 now allows PDF output as well as handles special characters on GEIA systems
- Creation of XML-to-PDF transformation files was failing when the end item name contains special characters.
- Fixed a cross-talk issue with the LSA-024 report, which would yield bad output when running multiple reports concurrently.
- Performance was improved for the LSA-024 report when run against large data sets.
- Fixed an issue with XML tags in the LSA-085 on GEIA systems which caused output to appear in the wrong section.
- Fixed other report crosstalk issues between the LSA-024 and LSA-019 specifically with multiple runs of the same report.
- Stability improvements were made to the LSA-075, LSA-080, and LSA-151 reports which prevent extraneous data from being introduced into the report when multiple reports are run concurrently.
- Performance was improved for the LSA-019 report when run against large data sets.
- The LSA-080 Report now can produce single quotes in the Item Name field. Minor formatting changes were also made to the header.
- The LSA-068 Report is no longer run twice when launched from EAGLE.
- The LSA-068 header now has the correct alignment.

Support Equipment

- No significant changes for this release.

Task Analysis

- Added tabs in the interface to assign subtask support equipment and provisioned items directly without needing to first add them to the task on GEIA systems.
- The Video tab has now been removed from the Subtask Information screen.
- S1000D Task Applicability is now supported in Issue 2.2 Systems.
- S1000D Subtask Applicability is now supported in Issue 2.2 Systems.
- The Task Provisioned Items Applicability field now saves to the selected record only.
- The CR and CS tabs are now disabled for Referencing subtasks. The user should use "View Original Subtask" instead.
- Closing the S1000D 2.2. Applicability Editor Dialog Box no longer clears the field before saving.

Tech Data Module Maintenance

- No significant changes for this release.

Tech Manual

- No significant changes for this release.

Data Module Usable On Code Maintenance Window

- No significant changes for this release.

Training Analysis

- No significant changes for this release.

Transportation

- No significant changes for this release.

User Reports

- No significant changes for this release.

Wizards

- No significant changes for this release.

Version 18.1 Highlights – EAGLE Publishing System

General

- Added a flag to not allow entities to be deleted when deleting a Project from EPS
- Added a preview of the Data Module code at the disassembly level of the SNS
- Added the ability for an Admin user to rollback Published Data Modules back to Approved Status
- Added the ability to deploy publication to EAGLE Vision from EPS
- Added the ability to pop up an Admin Message to users when they log into EPS.
- Added the ability to validate referred fragments in the analyze screen.
- Created a new Formal Publish option in the Pub Module System
- Enhanced View in Generic Viewer option in EPS (multiple DM selection and added CIR support)
- EPS Web Portal: Added Functionality to query publication modules
- Fixed issue where EPS pop-ups were not showing entire message when editing LSAR linked DMs
- Fixed issue where exporting a Pub Module From SNS was producing invalid XML
- Implemented IKVM.NET Solution to run FOP libraries in C#
- Improved first and second verification logic in the EPS workflow
- Improved the loading time of the Edit Publication Module screen.
- Included New Allowed Columns in the Build IPD Data Module from Spreadsheet Utility
- Updated Project Maintenance screen to gracefully handle Oracle errors (E.G. "Unique Constraint")
- Use the C# XSLT processor to run CC tagstrip to eliminate Saxon (Java)

ASD S1000D

- Adapted EPS Previewer S1000D 2.2 and later Stylesheets for EAGLE Vision
- Added support for the S1000D FSAF 3.0 DTD (SGML) Specification.
- Fixed issue where Checklist DMs would not import with Tech Name and Info Name (S1000D 3.0)
- Fixed issue where DM References in a Container DM were not linking to the corresponding DMs
- Fixed issue where the Applic Tag Builder did not work for LSAR linked DMs in the Edit Applic Group Tab
- Fixed issue with Entity replacement when resolving CIRs
- Fixed issue with REFTP reference generation
- Fixed Publication Front Matter issue where the Table of Contents was appearing before the Title Page
- Increase the Data Module Extension (DME) Code field from 10 characters to 23
- Modified DM Release to output Applicability at the Subtask level for S1000D Issue 2.2
- Modified DM Release to output Applicability at the Task level for S1000D Issue 2.2
- Updated software to display which BREX DM returns an error in the EAGLE XML Editor Validation and the Analyze DM windows.

MIL-STD-3001

- Added ability to Analyze Work Package in MIL-STD-3001 Projects
- Added ability to build IPD Data Module from Spreadsheet for MIL-STD-3001 Projects
- Added ability to create Process file on publish for MIL-STD-3001 publications
- Added ability to Export Work Packages from MIL-STD-3001 Projects
- Added ability to view a MIL-STD-3001 Work Package in NSIV from EPS
- Added Import with Manual Option for MIL-STD-3001 specification.
- Added support for the MIL-STD-3001 Specification.

MIL-STD-40051

- Allow Procedural Subtasks to be output as followon steps for MIL-STD-40051 spec users.

PDF Builder

- PDF Output: Hid Figure Number label for figures on Title Pages.

Stylesheets

- Stylesheets: Added a page number link to TOC at pmEntry level
- Stylesheets: Added ability to handle multiple RFU attributes
- Stylesheets: Added custom personnel skill level decoding
- Stylesheets: Added option to suppress ID Status from PDF output
- Stylesheets: Added support for AcronymType at02
- Stylesheets: Added support for LOSE/LOSU/LOSP Footnotes to comply with ATA Spec 1000BR.
- Stylesheets: Added table number to Required Conditions table to comply with ATA Spec 1000BR.
- Stylesheets: Adjust column widths for topical parts lists
- Stylesheets: Adjust margins and padding for change markers to comply with ATA Spec 1000BR.

- Stylesheets: Adjusted Column Widths for topical LOSE/LOSU/LOSP tables
- Stylesheets: Brought attentionLists more to the center in Warnings, Cautions, and Notes
- Stylesheets: Changed order of Numerical Index to Alpha before Numeric per spec
- Stylesheets: Fixed issue where an Internal reference to a figure tag (hyper link) did not link to the figure
- Stylesheets: Fixed issue where change marks were missing in output
- Stylesheets: Fixed issue where Duplicate Footnotes were output in LOSU
- Stylesheets: Fixed issue where Internal Reference links were not showing up in S1000D output
- Stylesheets: Fixed issue where only the first para tag was output in the PDF within a level para with no title tag
- Stylesheets: Fixed issue where page numbers were missing in Highlights for changed footnotes
- Stylesheets: Fixed issue where Table rowsep/colsep attributes were being ignored
- Stylesheets: Fixed issue where text overlaps footer
- Stylesheets: Fixed issue where the Auto-size option was not stretching figures
- Stylesheets: Fixed issue where there was too much padding before List Tables
- Stylesheets: Fixed issue where XML element "internalReference" in title causes PDF generation to fail
- Stylesheets: Generated a table with empty cells for List of specifications and documentation when no values were included
- Stylesheets: Generated a table with NA cell values for Equipment Designator Index when no equipment designators were included
- Stylesheets: Generated a table with NA cell values for List of Terms when no terms were included
- Stylesheets: Get rfu IDs for LOSE/LOSU/LOSP child tags for page numbers in Highlights
- Stylesheets: Improved symbol handling
- Stylesheets: Modified changeInline templates to take advantage of fop 2.4 features
- Stylesheets: Printed change mark when changeInline is used in paras and title
- Stylesheets: Printed page number in Highlights when changeInline is used in paras and title
- Stylesheets: Removed parentheses from dmRefs in the text
- Stylesheets: Resized topic level lists
- Stylesheets: Updated to not suppress anything based on @changeType="delete" attribute inclusion
- Stylesheets: Widened proceduralStep/levelledPara label widths

XML Editor

- Added a setting to the EAGLE XML Editor to allow the user to select the output type for the preview window
- Added ability to copy and paste merged cells from spreadsheet to a table in the EAGLE XML Editor
- Added ability to EAGLE XML Editor to edit the attributes of a selected group of cells, rows, or columns in the Table Editor
- Added ability to EAGLE XML Editor to highlight XML text in a para tag when text is clicked on in the Previewer.
- Added ability to EAGLE XML Editor to set selected text to uppercase and lowercase
- Added ability to select whole XML elements in the EAGLE XML Editor with a shortcut key
- Added feature to copy and paste content from Microsoft Word and Excel into EAGLE XML Editor.

- Added feature to retain EAGLE XML Editor preview window size when closing/opening the application.
- Added real time validation error messages in the EAGLE XML Editor
- Added Shift+End and Ctrl+Shift (+arrows) shortcuts to select words in the EAGLE XML Editor
- Added shortcut to open the DM Ref Insertion window in the EAGLE XML Editor
- Fixed issue in EAGLE XML Editor where HyperSTE fails when an '&' is found while checking the document.
- Updated EAGLE XML Editor so IDs in dmRef and pmRef elements get copied to the references table.

JSF

No significant changes for this release.

Installation

To Begin:

To install EAGLE 18.0 and EAGLE Publishing System 18.0, 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:

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