

EAGLE Version 21.0  
M0 Build 0008

Updated March 3, 2023

\*\*\*\*\*  
**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", found in your EAGLE Install Folder or available from the EAGLE Help Desk.

\*\*\*\*\*

**General Information**

EAGLE 21.0 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: 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.

### **Change Log – EAGLE**

- 7360 Change File in 0007 format no longer falsely reports CUU records as adds.
- 7374 GEIA Rev C - Modifications to RCM Logic Results interface to accommodate for new, related entities
- 7377 Fixed issue with data in table BFB during an XA clone/copy
- 7505 GEIA Rev C - LSA-009 modified to accommodate for boolean data values of "0" and "1"
- 7513 GEIA Rev C - \*\*\* Rev C Fullfile Imports now officially supported \*\*\*
- 7518 GEIA Rev C - LSA-022 report ICC input now allows filtering on "K" and "L" codes
- 7519 GEIA Rev C - LSA-019 report ICC input now allows filtering on "K" and "L" codes
- 7520 GEIA Rev C - LSA-021 report ICC input now allows filtering on "K" and "L" codes
- 7523 GEIA Rev C - LSA-007 report has new, optional SSC description section
- 7530 GEIA Rev C - LSA-019 now optionally supports graphics associated with Warnings, Cautions and Notes
- 7537 GEIA Rev C - LSA-024 allows new task functions "8", "2", "Q" and "V" for PCTUs
- 7541 GEIA Rev C - LSA-007 modified header output to display "LOGISTICS PRODUCT DATA"
- 7678 Added End Item Flag option to color code the file menu to a bright red when that end item is selected
- 8509 Rev C table set option is available for user selection for fullfile export and import
- 8529 Changefile generation has been changed to treat line feed character followed by carriage return same as line feed character (without carriage return).
- 8536 Added Rich Text view for LSA reports that support Enhanced Output
- 8549 Removed redundant prompts when database triggers are turned off
- 8584 GEIA Rev C - LSA-010 updated header output
- 8589 GEIA Rev C - LSA-013 header changes. Changed first header to Product Logistic Data and added LSA-013 to the second header.
- 8590 GEIA Rev C - LSA-014 header changes. Changed first header to Product Logistic Data and added LSA-014 to the second header.
- 8598 GEIA Rev C - LSA-023 modifications to accommodate for "1" and "0" boolean data values
- 8600 GEIA Rev C - LSA-024 modifications to handle specific boolean changes for HG.HARDCIHG, XB.RAMINDXB, and XB.SECITMXB
- 8618 GEIA Rev C - LSA-026 updated header output
- 8619 Added GEIA-0007 Rev C header changes. changed first header to Product Logistic Data and added LSA-027 to the second header.
- 8620 GEIA Rev C - LSA-030 modifications for HG.HARDCIHG boolean
- 8621 GEIA Rev C - modifications to LSA-036 to accommodate "0" and "1" boolean values for various flags
- 8660 GEIA Rev C - LSA-151 modifications to accommodate "1" and "0" data values for PTD booleans
- 8689 DTN 3510, revision\_Type fields in GEIA-STD-0007 systems now allow unpadding values. Unpadding values are no longer automatically right-justified.
- 8690 In 0007 Systems, Quantity per Unit Pack now allows single-digit quantities.
- 8720 In 0007 systems, Intermediate Container Quantity (DTN 2700) now allows unpadding, in-the-clear values.
- 8936 Removed IDLO tables from spec selection lists

9007 Removed bad dropdown description for DED 3440  
9017 Fixed window size issue with the login screen when using UI themes  
9034 Removed "LSAR and Def(Aust)" tables from FF selection list, since the existing "Only LSAR tables" option in a 5692 system is redundant  
9041 Fixed various UI controls that were not being handled using Dark UI theme  
9099 Fixed an issue whereby the price fields in Table HE could not be updated via Ad Hoc  
9109 GEIA Rev C - changes to accommodate "0" and "1" data values for booleans on various F entities  
9115 GEIA Rev C - fixed issue with LRU dropdown selection on some HG screens  
9134 Improved EPS compatibility for cautions, warnings and notes entered through the Caution/Warning/Notes Maintenance Narrative window (Entity CLL).  
9231 GEIA Rev C - LSA-020 is a new report that optionally supports graphics associated with Warnings, Cautions and Notes with the Enhanced output option  
9270 Fixed issue with duplicate ORA-01007 error log entries when running the LSA-020  
9321 Task Code selection screens modified to use dynamic dropdowns (via ZHELP5)  
9342 GEIA Rev C - Fixed issue with how we were storing new RCM Conclusion narratives  
9391 Fixed issue with DED 342 trigger not handling RAM indicators on 5692 systems  
9431 Fixed tab order in Facilities maintenance screen  
9451 EAGLE XML full file has been changed to contain the proper spec name as the value for the XML attribute "Type".  
9470 GEIA Rev C - front-end changes for new SSC Description option for multiple reports  
9756 GEIA Rev C - LSA-019 now allows "K" ICC filtering  
9962 Fixed references to XML parsing runtimes that were causing an error when viewing records in the Audit Trail

Totals: 49

## Change Log – EAGLE Publishing System

ID     Readme

- 3078 Updated Consumable Repository to resolve the MFC from the spec document tag
- 3468 Resolve problems with Service Bulletin in EAGLE Vision
- 4329 Support single-click publishing of multiple stand-alone DMs
- 4430 Added a Partial Task DM additional details window
- 4439 Fixed DMs not rendering in certain CGMs in EPS Preview
- 4915 Fixed Information Code Variant not displaying for Autogenerated DMs
- 4995 Allow XML in the narrative of a CLL record (Caution, Warning and Note Narrative Maintenance)
- 5073 Updated the Custom ICC Editor to include defining the quantity (max or sum of all quantities) for each section
- 5264 Stylesheets: Adjust table cell height for rotated cells
- 5350 French support for theEAGLE Vision Viewer
- 5361 M9 and M10 Graphics Assembly/Disassembly
- 5635 DDN generation in S1000D 2.3.1 checks if ICN entry already exists
- 5744 Added support different languages (HTML Files) S1000D 4.0+
- 5747 Fixed warningAndCautionPara duplication when attaching CLL records to subtask
- 5765 Support for reproductionScale and reproductionHeight and reproductionWidth attributes EAGLE Vision
- 5801 Data module titles now displayed in EPS Preview
- 5803 Fix for EPS Preview does not render acronyms
- 5804 Fix for EAGLE Vision does not render acronyms
- 5805 Fix for EPS Preview does not display in DM ID Status.
- 5856 Fix for Referenced Subtasks do not include Support Equipment or Provisioning items on DM Release
- 5867 Dark Mode in Vision App Viewer
- 6003 Fix for Editing PM Applic Groups does not work for S1000D 3.0.1 and below
- 6010 Fix for internalCLLRef still being processed even when commented out
- 6020 Language support for "Table" in autogenerated tables
- 6035 Fix for Deflist tag in table not allowing PDF to generate
- 6047 Fix for Subscripts and superscripts output twice in FSAF projects
- 6049 Support for multiple nested tags in Crew DMs
- 6066 Fixed Embedded Images in Vision App Viewer
- 6067 Fixed Font Awesome Icons in Vision App Viewer
- 6070 Fix Vision App OutOfMemoryException on Large PMs
- 6082 Pdf Builder: Fix for long sequential list in crew DM causes section to disappear
- 6084 Pdf Builder: Fix for Symbols in table para error
- 6086 Vision App Viewer - Improve backward navigation
- 6087 Vision App - iOS Version Working
- 6089 Fixed Brackets in DM title not displaying correctly
- 8470 Fix for Warning before procedural step causes pdf go to next page
- 8484 Added table cell error checking for morerow cells that also have spans
- 8513 Title tag attribute showing for other DMs, except fault
- 8514 Fix for notePara tag and title tag attributes showing in fault DM for 4.2
- 8516 Emphasis tag in note spacing fix for fault DM S1000D 2.0
- 8530 Shopping Cart fixes for Vision
- 8531 Added classification banners to Vision
- 8532 Update Option buttons to icons with tooltips

8533 Hide delete button from non PM Managers in EAGLE Vision  
8534 Updated the view button correctly when changing PM issue  
8535 Updated applicability when new PM issue is selected in Vision  
8538 Fix for EPS Report "Complete ID Status Report" does not display full results  
8553 Ray AUS Custom IPD Tweaks  
8557 Stylesheets: Get Security info from titlepage.xml not PM if titlepage.xml is title page source  
8563 PdfBuilder: Generating a PDF Publication in S1000D 1.8 stops after the first DM  
8596 DmRelease: -52 Error show which CLL references fail in the DMRelease window  
8700 Support for circuitBreakerDescrGroup tag in S1000D  
8712 Added support different languages (HTML Files) 2.2-3.1  
8731 Support for multiple partSegment tags S1000D CIR Resolving  
8746 WCN Design Update  
8747 Duplicate Figure Numbers printed in IPD if multiple ISNs in CSN  
8749 Add change mark support 4.0 magenta color for text  
8751 Output @itemSeqNumberValue for 4.1 S1000D  
8762 Vision VizEx 3D enhanced object selection update  
8764 Option to Hide TOC on start EAGLE Vision  
8767 Fixed Vision Sys32 wwwroot bug  
8770 Added ability to change password in Vision.  
8773 Fixed what color the applic button is on different issues of the same PM.  
8794 Remove numbers in () from IPD headers  
8795 Support for notIllustrated tag in IPD  
8797 Support for effectivity tag in IPD  
8816 Wrap IPD effectivity information  
8848 Pdf Builder: Align caution, note tags with step number  
8935 Stylesheet: Display figure applicability above title  
8960 Break up Required Persons table when applicability exists  
8977 Add auto assign functionality when publishing from EPS to Vision  
8983 Publishing PDF in 1.8-1.9 SGML issues fixed  
8984 Fix for releasing a DM associated with Partial Subtask does not change release status to Release.  
8985 Fix for EPS 20M1 throws errors on DMs with character entities  
9003 Support for left/right borders to applicability rows in tables  
9008 Fix for right border missing on framed table  
9064 3D Interactivity in IPDs  
9065 IPD Unneeded '/' Quantity Bug  
9092 Added change mark support (2.2 plus) magenta color for text in EAGLE Vision  
9093 Auto-load IPD graphic on opening DM in Vision  
9094 Update VizExView3D Toolbar Icons  
9098 Add missing END\_ ids to Author-generated FM DMs  
9105 Generate colored WCN content in Vision  
9107 Handle issue 2.x-3x Publication Modules  
9169 Bug in migration tool. When LCN box is empty, will not open the comparison portion of the tool.  
9171 TOC - Update the TOC to have dropdowns of pmEntry structure.  
9173 TOC - add option to order dms in SNS structure. (order by system to begin)  
9174 Redo Fault DMs to work when running a full pub  
9176 Do not add file:/ to config location  
9180 Added option to remove applic tags from unselected applic ids on publish  
9184 Download ACT,CCT,PCT when viewing a DM in IADS

- 9246 Warning, Caution, and Notes now resolve through referenced subtask
- 9297 Stylesheets: Handle issue 3 fault DMs
- 9314 Add entire SNS functionality in SNS TOC in Vision
- 9330 Support table rotation in Stylesheets
- 9354 Fix for Random list (next level) not appearing in pdf
- 9355 Fix for Attention sequential list in NOTE tag is not appearing as desired in the output
- 9533 Stylesheets: Fixed TOC Title/Link when autogenerated
- 9544 Fix for tables had borders even if frame attribute set to none
- 9585 Fixed Speed issue for long tables
- 9590 Fix for Figure links are not working in web view in mobile app.
- 9591 Fix for Pressing search in search page, half page does not load.
- 9592 Vision App - overall formatting changes.
- 9593 Fixed light and dark mode colors in app after migration.
- 9594 Fix for EAGLE API Log In call breaking after many calls.
- 9598 New Crew changes appear in EAGLE Vision app.
- 9599 Back/Forward Navigation with saving page position on EAGLE Vision app.
- 9600 Images appear inline in the EAGLE Vision App.
- 9602 Fix for Unhandled Exception being thrown in XML Editor when trying to insert two of the same symbol in the xml.
- 9613 Added Forward/Backward History Navigation to Vision
- 9670 Generate new TOC html file for mobile, with changes to make TOC mobile friendly
- 9671 Added Applicability to the Vision App
- 9817 Stylesheets: Fix for externalPubRef of URL fails on closed system
- 9859 Fix for PDF fails if same DM included in PM more than once
- 9862 Generate special Numerical Parts List for Umlaut
- 9863 Generate List of Illustrations for Umlaut
- 9874 Vision CSN JSON Generation
- 9875 Vision change log file location to Vision folder
- 9876 Vision move javascript document.load() code from datamodules to scripts
- 9885 Rework SNS export on publish for Vision - Incorrect SNS tree is created
- 9886 Create new page in Vision App to handle Viewing, Creating, and Editing comments.
- 9887 Create EAGLE folder if missing when running HyperSTE

Totals: 122

## **Installation**

To Begin:

To install EAGLE 21.0 and EAGLE Publishing System 21.0, 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, 5.0, 6.0 and 6.5. 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