

EAGLE Version 23.0  
M1 Build 0082

Updated November 25, 2025

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**IMPORTANT NOTICE**

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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.

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**General Information**

EAGLE 23.0 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 19c database.

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.

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## ORACLE

EAGLE recommends Oracle Client 19c or above (32-bit) on 64-bit Windows platforms. Please contact the EAGLE Help Desk for more information.

### Change Log – EAGLE

ID      Readme

- 7451    DED\_493 numerical value is expanded for column HF.UNPKCUHF.
- 7521    Fullfile: Reduced number of connections to avoid errors transferring BLOB columns
- 7522    GEIA Rev C: Fixed error & clarified message when setting RAM Indicator flag
- 7527    GEIA Rev C: Rebuilt all reports executables to use common code scripts
- 14820    Def(Aust)5692, Fullfile: Added special handling for table ZD/ZD5692
- 14823    Def(Aust)5692: Change Only Export format is now supported
- 15961    Change file import in 0007 format produces a totals file broken down by entity and operation.
- 16387    LSA-152 now assigns child NHA PLISNs for new records that use INSERT Mode
- 16393    Fullfile: End Item Substitution in EAGLE XML format now only swaps values for the key column
- 16424    Expanded Essentiality Codes for 5692, 1388-2B, and GEIA-0007.
- 16485    Various enhancements to HO Maintenance screen to improve performance
- 16639    Added an Analysis Report that checks for NHA throwaways
- 16646    GEIA, Fullfile: fixed issue where ORR was using the rate vs. quantity column
- 16661    LSA-004: Added option to include tasks w/ 0 (very low, rounded-down) task frequencies
- 16662    LSA-004: Added option to use minimum MMH (.01/.1) values in lieu of 0
- 16672    LSA-152: Improved performance when assigning large number of child PLISNs
- 16678    LSA-004: Frontend changes to facilitate new 0 task frequency option
- 16686    LSA-004: Frontend changes for new option for minimum MMHs
- 16697    GEIA, Fullfile: fixed parsing issue when using IFILES in Oracle tsnames
- 16768    New EAGLE Analysis Report: HG is checked for specific ICCs of 'X', 'Y' and 'Q'
- 16799    New EAGLE Analysis Report: Checks for Essentiality Code on Multiple Instances of same P/N
- 16808    GEIA, Change Only: Fixed issue when importing entity AK
- 16835    Def(Aust)5692: Change Only Import format is now supported
- 16837    GEIA, Fullfile: Output now displays proper entity/table terminology
- 16861    New EAGLE Analysis Report: Checks for SMR Code Consistency of P/Ns
- 16862    New EAGLE Analysis Report: Checks for Ram Indicator in BD and LRU in HG
- 16922    Bom Loader: Re-wrote the "Calculate LCNs" function to fix various errors
- 17003    Fixed issue where the Spellchecker was not launching
- 17169    New EAGLE Analysis Report: Identifies HG entries where the SMR Code is blank/null
- 17177    LSA-152: Fixed Indenture Code to appear correctly for Old PMF
- 17219    LSA-070, 5692: wrong executable was being called, effectively preventing report runs
- 17224    New EAGLE Analysis Report: Checks for parts with a PTD List flag but no PLISN
- 17299    GEIA Rev C: Fixed front-end issue when changing a task's PMCS value
- 17376    Regular Users no longer need access to 'COMMON' to Perform RCM Logic
- 17404    Removed code in HK trigger that was throwing bad errors with specific end item settings
- 17533    LSA-019: Fixed issue with apostrophes in Part Numbers
- 17551    Fullfile: Clarified error messages associated with LOB\_LEN\_EXECUTE\_FAILURE in msg file
- 17554    Fullfile: Notify the user of file open error if it cannot create load totals file/message file
- 17630    LSA-056: fixed front-end issue when using the "ALL" end item selection
- 17675    New EAGLE Analysis Report: Runs HA/HB RNCC Comparison

17677 New EAGLE Analysis Report: Checks for parts with Shelf Life of 0 but "PA"/"PC" SMR Codes  
17687 New EAGLE Analysis Report: Checks for HA's with no price data  
17689 New EAGLE Analysis Report: Checks for 0/null Production Lead Times  
17691 New EAGLE Analysis Report: Checks for 'PA' SMR, LRUs with no Tasks  
17765 LSA-056: Fixed issue where SHSC code was not appearing in Part 1  
18202 New EAGLE Analysis Report: Checks for parts with a SMIC='B' but SMRs ending in 'ZZ'  
18204 New EAGLE Analysis Report: Checks for inconsistencies among Unit of Issue/Measure MBs  
18206 New EAGLE Analysis Report: Lists all parts where the SMCC is not '2', '3', '9' or blank  
18208 New EAGLE Analysis Report: Checks for SMCC with no ESD  
18210 New EAGLE Analysis Report: Checks for Demil/PSPC inconsistencies  
18212 New EAGLE Analysis Report: Checks for PPL Not Equal to 'Y'  
18319 New EAGLE Analysis Report: Identifies records with different XB and HG Indenture Codes

Totals: 52

## Change Log – EAGLE Publishing System

ID    Readme  
9315   Import DMRL from an Excel Spreadsheet  
10763  PDF Builder: Make PDF Preview link instead of loading pdf file  
11499  Support Referred Fragments in PDF Stylesheets  
12772  PDF Stylesheets: Use supplemental DM list in PublicationEngineConfig.xml to generate dmRef file name  
12847  DM Release: New End Item Setting to display decimal numbers with a comma instead of a period  
12950  Fixed issue attaching documents through comments  
14433  PDF Stylesheets: Don't show change bars for changes in past issues  
14434  PDF Stylesheets: Graphic size issue causing blank page  
14919  DM Release: New End Item Setting to swap and @category in personnel  
14968  PDF Stylesheets: DMs missing from ATA Highlights  
14981  MIL-STD-40051: Fix issue with figure ID inserting with additional dash IPB Builder  
15089  PDF Stylesheets: Add option to display xlink title instead of DMC  
15889  XmlEditor: Inserting a DM Ref with hotspot Referred Fragment on CGM with sheets only shows 1st graphic  
16171  ISpec stylesheets: IPL Fig/Item Number column formatting  
16217  Fixed Refresh Button in Edit Publication validation does not work properly  
16262  PDF Builder: Closeup section not shown in SGML  
16275  ATA Stylesheets: Use @pmttype to get Pub Type text for title page  
16311  PDF Stylesheets: Header logo spacing not uniform between Title Page and other pages  
16327  Fixed resizing Issue with "Add Data Modules" Window  
16334  ispec stylesheets: IPL Add Indent dots to Nomenclature column  
16335  ispec stylesheets: IPL Handle Attaching Parts  
16336  ispec stylesheets: IPL Numerical Index  
16337  ispec stylesheets: IPL Equipment Designator Index  
16341  PDF Stylesheets: Remove leading space in hotspot reference when using raw text  
16342  PDF Stylesheets: Add padding before nested random list returns to parent list level  
16353  PDF Stylesheets: Do not display @hotspotTitle in internalRef if @applicationStructureName exists  
16354  PDF Stylesheets: Display the word Fig instead of Figure in hotspot internalRef  
16365  PDF Builder: Look for text tag font attributes in svg file  
16370  PDF Builder: Remove list of tables title from TOC if there are no tables  
16389  40051: Add Quick Publishing option that prepopulates publishing field  
16390  40051: Add Sub Sub Folder to 40051 Publishing window  
16392  PDF Builder: Hide references table (end item setting) causes overlapping title text in TOC for fault DMs  
16394  PDF Stylesheets: Support FRC document type: Page layout, headers, and footers.  
16409  40051: WP notification system does not always display WP  
16411  40051: Remove Grayed out S1000D End Item Flags for 40051  
16412  New projects never show when created, have to hit show all  
16431  ispec stylesheets: Preliminary graphic handling  
16433  CIR Resolver: if applicIdentValue does not exist use id  
16434  Highlight DM generation fixes  
16479  Note spacing NOT inside lists  
16488  40051: MACWP XML Generation and UI Change  
16509  40051: Admin Sync updates WP References to short name or long name

16521 40051: WP Relocator deletes WP if relocating to same SNS location. Add Validation for that  
16563 PDF Stylesheets: Lessen space between consecutive paragraphs in Crew DMs  
16572 PDF Stylesheets: Lessen space between consecutive para tags  
16579 PDF Stylesheets: Left-align page number and applicability in TOC  
16580 ispec stylesheets: Additional IPD spec tagging support  
16616 Multi Language End Item: CIR Resolving Support  
16617 Multi Language End Item: Inserting DME into XmlEditor doesnt work  
16618 Multi Language End Item: PM Validation false invalid DM error (CACA issue)  
16628 New option when generating highlights to "Compare against last PM Issue"  
16651 PDF Stylesheets: Align WCN text with title/para text  
16654 EPS Previewer: Add Wiring Data Support  
16658 PDF Stylesheets: Inconsistent spacing after header border for tables based on size of preceding figure  
16671 Fixed issue with saving subtask in XmlEditor adding newline to CC  
16687 Inconsistent spacing after header border if preceding whole page figure has a sidehead title  
16699 PDF Builder: Support TIF and TIFF images in PDF Preview  
16704 40051: Fix to Custom Status tabs and Custom Tab off by 2  
16721 S1000D: QTY field for Items needs to be 2 decimal places out instead of 1  
16722 IPB Data Builder Variant being prepopulated with Disassembly Code Variant.  
16725 Handle variable header text in preformatted table template  
16726 40051: Add 40051 WP title to the front of internalCLL references to make them more unique.  
16811 CIR Ref not removed from section when publishing  
16812 Fixed issue with Notations from symbols in CIR not included when publishing  
16814 Allow all users to see Multi-Reviewer List (read only)  
16815 CIR Resolver: Failed CIR Mapping causes other to fail  
16816 Bug fix for Upload to Vision only uses host server from Tools --> Options  
16948 Edit Entity window removes height and width from SVGs  
16962 PDF Builder: Improve loading speed of DMs containing many reference tags  
16967 Publishing to NSIV grabs the wrong language and country code for ACT and CCT  
16988 40051: Fixed issue with TM Number being processed incorrectly for IDs  
16992 Add new columns mappings to Mass Encapsulation Tool (TDAN, DL, DW, RETENSION)  
16993 Mass Encapsulation Tool: Set generated PM and DM to Published status  
16999 Mass Encap Tool: Can only post to Vision server defined in viewer options not Spreadsheet  
17082 PDF Builder: Table created by Paste from Document causes XML editor to freeze  
17148 40051: Remove duplicate Each Unit of Measurement  
17164 Add option on DM Up-Issue to add updateHighlight="1" or updateHighlight="0" to RFU tag  
17165 Mass Encapsulation: Remove '-' from External Pub Issue  
17166 Get proper language and country code when downloading ACT, CCT, PCT for View in NSIV  
17168 Mass Encapsulation: Download Export Control DM on Publish to Vision  
17210 When we set an Approved DM back to Rework we don't do any processing to revert the QA tag back to unverified  
17212 PDF Stylesheets: TP simplePara tag not creating a new line when ancestor exportRegistrationStmt  
17309 PDF Stylesheets: Support FRC document type: Remove Reference Table  
17310 PDF Stylesheets: Support FRC document type: Remove Figure name and number  
17311 PDF Stylesheets: Support FRC document type: Delete schema name  
17312 PDF Stylesheets: Support FRC document type: Reduce sidehead gap  
17313 PDF Stylesheets: Support FRC document type: Made sidehead font 9pt for all levels  
17314 PDF Stylesheets: Padding under symbol  
17336 S1000D 6.0 Support

17337 Publish to Vision has DLL exception  
17339 Support FRC document type: Remove DM TOC, List of Figures, List of Tables  
17341 40051: Add - character in-between NSN fields  
17463 Allow use of XREF inside of tag for 40051 IPD  
17464 Add Date to DMRL Excel Import  
17466 Excel Import using DMRL populates Info Codes  
17468 Download barCodeSymbol in title page on publish  
17469 Mass Encap: Special Characters in DM title get double escaped  
17470 Mass Encap: special i character gets removed from PM on publish  
17481 Publication fails if Front Matter DMs do not have @pmEntryType  
17506 Decode @quantityUnitOfMeasure on quantityGroup tag  
17508 Format quantityGroup tag and children  
17607 S1000D Issue 3.0.1 PDF Stylesheets Support: Make simple document  
17608 Remove border from bar code on title page  
17615 PDF Builder: Support multi language end item files when publishing a complete manual  
17672 Some SVGs and Graphics blurry in STYLESHEET Preview in XmlEditor  
17682 Bug fix for Applic filtering does not grab applicRef IDs in Publishing window  
17683 Assign Reviewer Groups to Data Modules  
17684 Add ISOEntities to dummy PM when View in NSIV

Totals: 108

## **Installation**

To Begin:

To install EAGLE 23.0 and EAGLE Publishing System 23.0, 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 support line is available Monday through Friday 8:00am to 4:30pm Mountain Standard time.

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