

EAGLE Version 18.0
M0 Build 0070

Updated April 21, 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 18.0 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.

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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 18.0 Highlights - EAGLE

All

- Table ZRCM_BF_XLIB now gets correctly copied or deleted when performing an End Item Clone or Delete. [17M1/0000]
- Deletion of data in UD table is restricted to the key values being deleted [17M1/0000]
- DED Validation 2340 is restricted to end items setup for GEIA Rev A [17M1/0000]
- Improved the handling of special characters when pasting into Ad Hoc. [18M0]

AdHoc

- Fixed issue when processing updates in Ad Hoc where more than 200 errors are encountered but skipped over. [17M1]
- A regular user may now make key field changes in Table ZCICBX using Ad Hoc. [18M0]

Administration

- Full File output in 0007 format now supports UOC ranging; Full File output from 0007 systems in EAGLE XML format now correctly includes Entities BB and CL when using UOC or LCN ranging. [17M1/0005]
- Items with only end item details can be assigned to new users at the time of creating user account. [17M1/0000]
- Data Module Issue list box in the End Item Defaults Window displays full text [17M1/0000]
- Users can change the end item security assignments while using the option "View Users assigned to End Items" [17M1/0000]
- Users can select values for "Filter Results" to view users. [17M1/0000]
- The ability to specify a default currency code has been added to the End Item Defaults window. The default currency code will appear as the first selection in any currency code selection list box. [17M1/0006]
- Any user with EAGLE User Role can now perform Change Only File Export. [17M1]
- Fixed database error found when loading Legacy EAGLE fullfile input types on Def Stan 00-60 systems [17M1]
- Fullfile will now suppress pop-ups for sequential files when run in silent mode [17M1]
- EAGLE XML Change files with XML escape characters can now be imported successfully. [17M1/0000]
- Fullfiles in GEIA 0007 format can be imported using the Oracle.DataAccess.dll installed along with Oracle client [17M1/0000]
- Users can view the database audit trail details for the deleted records. [17M1/0000]
- Clarified the error message that occurs upon login when EAGLE cannot read the ZSYSTEM table. [17M1/0000]
- Improved the way GEIA-STD-0007 Full File Import processes hexadecimal entities. [17M1]

- Carriage returns found in narrative elements of the GEIA-STD-0007 import file no longer cause misalignment in the imported narrative. [17M1/0005]
- Fullfile Import in EAGLE XML format now notifies the user if it terminates abnormally due to an inability to parse an unsupported comment. [17M1/0011]
- A new user interface has been created for end item flag maintenance. [18M0]
- After modifying a user menu, the right pane is now refreshed to reflect the newest modifications. [18M0]
- NA [18M0]
- Change File Export now correctly prints percent symbols. [18M0]
- Improved the accuracy of the "Find Task Code/SMR Code Conflicts" EAGLE Analysis Report. [18M0]
- Full File output in 0007 format now supports LCN ranging [18M0]
- Change file creation now handles floating point database values with more than 26 decimal places. [18M0]
- Fullfile import no longer doubles single quote characters when producing the kickout file. [18M0]
- Fullfile now produces a kickout file with valid xml tagging when a record is spread across multiple files. [18M0]
- Full File Export now includes the proper table name and Oracle error message when a fetch error is encountered. [18M0]
- Fixed change file to kick records when all key elements are not present for deletion instead of using empty string for missing values. [18M0]
- The kick file produced during the Full File import now generates the correct value for the type attribute in the header. [18M0]
- Fixed GEIA fullfile and change only file import to log error messages to the message file instead of prompting user with error message dialog box. [18M0]
- Improved the error message displayed when adding a record to ZENDITEM_FLAG. [18M0]
- The 0007 Change File Import processor now produces a kickout record if the global delete fails to delete a row due to a "no data found" condition and improved its ability to process its own kickout file. [18M0]
- Removed certain deprecated features from the menu. [18M0]

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

- Users can filter by entering single digit values for ALC. [17M1/0000]
- Enhanced the column selection in BOM loader [17M1/0000]
- HO Maintenance Screen will launch grid view of LCNs and UOCs [17M1/0000]
- Sectionalized Item Transportation Indicators will be initialized as 'N' values on GEIA systems instead of null. [17M1]

LSA Management

- Task Management narrative screen can be resized without fields overlapping [17M1/0000]

Operations Maintenance

- No significant changes for this release.

Navigator

- The navigator's edit Favorites screen was changed to be more user friendly. [17M1]

Personnel Skills

- No significant changes for this release.

Provisioning

- Synced the context sensitive help when hovering over the HN maintenance datawindow. [17M1/0000]
- The MRRI calculation now takes tasks documented against functional LCNs into account. [17M1/0000]
- Scroll bars now appear on provisioning screens accessed through the double-click shortcut on the Provisioning Finder; Prices in Tables HD and HE may now be updated if the associated UM/UI Price Used is Yes. [17M1]
- An EAGLE user may now directly change the Unit of Measure Price. [17M1/0013]
- The "Sort above lists by codes" checkbox on the Create/Modify SMR Code window now behaves more predictably. [18M0]
- In 0007 systems, a Shelf life action code of 0 is now allowed with a shelf life of 00. [18M0]
- When using an item name code lookup in the HA tab of the View/Edit Provisioning Data application, the full value will now be automatically placed in Table THA, with the truncated value automatically placed in HA. [18M0]
- Updating the HG tab in the View/ Edit Provisioning Data screen no longer disables the ability to make other key field updates without exiting the application. [18M0]

Reliability, Maintainability and Testability (RMT)

- No significant changes for this release.

Reliability & Maintainability (RAM)

- The RAM Item Function narrative window in 0007 Revision B systems has been redesigned to resemble the format of the LSA-024 more closely. [17M1]
- Item functions can now be defined without having to create narrative. [18M0]
- A newly inserted Item Function narrative can now be updated without the user being forced to close and reopen the window. [18M0]

Reports

- LSA-036 report header now has columns 73-80 space-padded to produce a full 80 characters. [17M1/0000]
- In the LSA-019 report, an option has been added to only display Tasks having Subtasks. [17M1/0004]
- The LSA-024 report was modified to fix a misalignment in the header line for GEIA reports. The MAINTENANCE PLAN (LSA-024) text is now centered below LOGISTICS PRODUCT DATA in the header section. [17M1/0000]
- Further input and formatting changes to customer-specific Job Information Card and Review of Maintenance reports, LSA-DS001 and LSA-DS002. [17M1]
- The LSA-024 report was modified to fix a minor problem in part III that caused a separation between the LCN heading and its associated LCN data values. [17M1/0000]
- The LSA-056 report was modified to prevent a hang-up in Part I, and to output refnum and cage in Part II for functional LCNs when appropriate. [17M1/0000]
- The LSA-030 parameter screen now displays SMR Codes more appropriate to the selected specification. [18M0]
- The JIC report now displays an expanded value for System Name and component name. The ROM Report now displays the full value for task interval. [18M0]
- "The LSA-024 report no longer displays duplicate repairable items in Part II nor duplicate MSC values in the case where multiple functional LCNs were mapped to a single physical LCN. [18M0]"

Support Equipment

- Resizing the Unit Under Test Data window does not change the visibility of buttons [17M1/0000]
- The SERD finder now warns the user when the default end item is set to ALL. [18M0]

Task Analysis

- Subtask workload assignments do not have a workload text line ranges in GEIA, these controls were removed or altered on GEIA systems. [17M1]
- CR and CS entities (tables ZCICBX, ZCGCBX) were not enforcing a potential Unit of Measure requirement on GEIA systems. [17M1]

- Applicability XML may now be specified for End Items linked with S1000D Issue 2.2 projects in the EAGLE Publishing System. [17M1/0000]
- Tasks whose LCNs have no LCN nomenclature can now be retrieved in the DM and WP Narrative Maintenance screen. [18M0]
- Table CM is now copied when cloning an End Item. [18M0]
- The Task Narrative viewer now displays Facilities and Tech manual information. [18M0]
- Multiple users may now use the task cloning feature simultaneously. [18M0]
- On 0007 systems, inserting records into Tables ZCGCBX or ZCICBX when the requisite data does not exist in Tables CG or CI now results in an automatic backfill of the parent Table. [18M0]
- Attempting to store Task Associated Narrative in Table CL (CL1) no longer causes a foreign key constraint error in 00-60 systems. [18M0]

Tech Data Module Maintenance

- No significant changes for this release.

Tech Manual

- Documents with file names over 40 characters can be imported with file names truncated to 40 characters [17M1/0000]
- The Part/Document Cross-Reference window now shows the correct record counts and no longer prompts the user to save multiple times. [17M1/0000]
- The context sensitive help features of the Document Storage Finder window have been corrected and the document category finder fields now update after documents have been imported. [17M1/0000]

Data Module Usable On Code Maintenance Window

- No significant changes for this release.

Training Analysis

- No significant changes for this release.

Transportation

- The tab order on the Transportation Finder now flows more logically. [18M0]

User Reports

- No significant changes for this release.

Wizards

- No significant changes for this release.

Version 18.0 Highlights – EAGLE Publishing System

General

- EPS no longer need MS Excel to save data to a spreadsheet. [17M1]
- Added EPS report that tells user which Procedural Data Modules are not linked to a Task (CA record) in the EAGLE LSAR [17M1]
- Fixed issue with graphics not showing up in NSIV when viewing multiple data modules. [17M1]
- Subtask narrative that is linked to the LSAR can no longer be edited unless the user is the author and that linked DM is checked out. [17M1]
- Disallowed Image Viewer tool to import graphics into the EPS graphics table (ZICN). Users should only use the EAGLE Publishing System to import graphics into table ZICN to ensure the proper graphic naming conventions are utilized. [18M0]
- Added the ability to display an ITAR message on the main screen. [18M0]
- Extended the size of the Document ID for the associated document system. [18M0]
- Remember if user turns Spell Check ON in XML Editor. [18M0]
- Give user option to Export Associated Documents in EPS where applicable. [18M0]
- Allow resize of End Item Advanced Settings window [18M0]
- Add Task Remarks report to EPS Reports utility. [18M0]
- Removed the Comment Forms tab [18M0]

ASD S1000D

- Added the ability to add multiple warning and caution CIR refs in the XML Editor. [17M1]
- CIR are no longer included in the reference table if they are resolved. [17M1]
- When publishing a PM in S1000D 2.2, EPS will automatically output a PMC with the content of the DM replacing the DM Refs in the PM. The Name of this file is just the PMC but with "_REPLACE.xml" at the end. [17M1]
- 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. [17M1]
- Now when you validate a DM against multiple BREXs it does not stop validating a a particular BREX. The BREX rules in all cascading BREXs are accumulated. [17M1]
- Added the ability to insert an external pub ref from the XML Editor. [17M1]
- Added applicability filtering during publishing for S1000D issue 2.2 [17M1]
- Added the ability to copy and paste a random or sequential list from another document (Word). [17M1]
- Publishing Engine uses native dpi value for images. [17M1]
- When deleting columns in XML Editor Table Editor, automatically update the colname sequential numbers so they are still numbered sequentially 1..X. [17M1]
- Added user option to automatically scale user graphics down when using stylesheets to produce PDFs. [17M1]
- Allow EPS to set "unverified" as QA value when moving DM to Approved Status. [17M1]
- The publishing engine now uses the language and country code that is in the data module XML. [17M1]
- Added column sizing options to the Table Editor within the XML Editor. [17M1]

- Info Code importer now collects all errors in a message. [17M1]
- Added the ability to resolve CIR references on export. [17M1]
- When you overwrite an entity on import we now update the file type in the database and update the doctype in all associated data modules. [17M1]
- EPS SNS sub-window does not fill TM Tab area when launching a newly installed version of the software [17M1]
- Added the itemVariant value to the CSN reference when inserting from the XML Editor. [17M1]
- ICNs no longer duplicated in DDN file when 2 DMs reference it and are exported. [17M1]
- Updated EPS to allow DDN and DML templates to be editable in S1000D Issues 4.0 and above. [17M1]
- Added option to color code the table in the TableEditor. [17M1]
- Improved the copy from existing pub module functionality to copy pub module XML. [17M1]
- Fixed spelling of Partial Task. [17M1]
- Added the ability to add the behavior tag to data module references in a publication module. [17M1]
- Fixed comment field not saving. [17M1]
- Update the Data Module/Work Package up-issuing process to carry over references to Associated Documents. [17M1]
- Add a button to the publication module screen that will allow the pmEntryType attribute values to be auto-generated according to the ATA 1000BR spec. [17M1]
- The Insert Entity window immediately closes after you insert one entity. [17M1]
- Retain Safety Requirements attributes when building a Data Module that is linked to the LSAR using DMRelease utility. [17M1]
- When a 4.1 project is created with the optional 4 character item code, the SNS is correctly created with 4 characters at the Item node. [17M1]
- DM LSAR Association minor GUI changes to limit customer confusion. [17M1]
- Manually set an issue date for PMs. [18M0]
- Added the ability to check the publication module XML against the project BREX. [18M0]
- Embedded CGM support in PDF output (stylesheets only) [18M0]
- Fixed loss of nbsp character when editing in Table Editor. [18M0]
- Added support for the Hyper STE software in the XML Editor. [18M0]
- Added option to remove changeMarkers\RFU tags and attributes when creating a new revision. [18M0]
- Support for S1000D issue 4.0.2 [18M0]
- Added a filter to the data module tab to filter on the data module title [18M0]
- Gets rid of the extra spaces being added when pasting a table from spreadsheet into Xml Editor. [18M0]
- Support for S1000D 5.0 [18M0]
- Set dates for multiple Data Modules at a time in the Completion Status tab [18M0]
- The state of the SNS is recalled after editing the SNS in the SNS Editor [18M0]
- Added the ability to export supplementary DMs on publish of a PM [18M0]
- Added an option to not include the first tier references when viewing a data module in NSIV. [18M0]
- Append date to EPS Import Log so file name is unique. [18M0]
- Added a "Find Previous" button to the STE Checker [18M0]
- Add option to suppress NSN output from IPD and Procedural Data Modules built from LPD data (using DM Release). [18M0]
- Added ability to associate documents to multiple DMs at once [18M0]

- Double-click on author/reviewer will open the Assign Author/Assign Reviewer windows [18M0]
- Added new option to EPS Data Module creation screen to create a Partial Task Associated Procedural DM. [18M0]
- Added ability to output Warnings and Cautions from CL Library in both the Subtask Narrative AND Required Safety section of Procedural Data Modules. [18M0]
- Added a tool tip to the associated document icon for a data module. [18M0]
- Added the ability to insert a data module reference with a reference to a fragment (ID) [18M0]
- Quantities are not correctly resolved in CIR references. [18M0]
- Added the option to include the DDN file inside the generated DDN. [18M0]
- Added the ability to generate part, tool and supply CIRs from a spreadsheet. [18M0]
- Added ability to Associate Documents to Publications in EPS just like Data Modules and Entities already allow. [18M0]
- Added option to prefill cells with para tags when creating new table. [18M0]
- Added a wait cursor when inserting a table - paste from spreadsheet. [18M0]

MIL-STD-40051

- Added the ability to use work packages from difference tech manuals in a single publication. [17M1]
- 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. [17M1]
- EPS - DM/WP Builder - normalize 40051 WP Number output when using the "Use Sequential Numbering" End Item flag [17M1]
- The PLWP alpha designator has been correct from P to R. [17M1]
- Fixed the issue where the public id always referred to version 3.28 [18M0]
- Support for the MIL-STD-40051C 6.3 DTD. [18M0]

PDF Builder

- Updated PDF Builder to support Ø character and &ndash character entities. [18M0]

XML Editor

- XML Editor recalls the last size of the PDF Preview window [18M0]
- Added inserting a CSN Reference functionality to earlier issues. [18M0]
- The XML Editor will prevent an author from saving if the DM\WP they are editing has been changed to APPROVED or PUBLISHED or if the author changed. [18M0]

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:

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