



EAGLE Publishing System (EPS) – Product Overview

Air

Land

Sea

Space

Cyberspace

Innovation. In all domains.

**S1000D User Forum 2013 and
S-Series-Specification Day**

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September 2013

About Team EAGLE

- Part of Raytheon Intelligence, Information and Services (IIS), a business of Raytheon Company
- 38 software developers and specialists based in Tucson, Arizona and Dallas, Texas
- Developing Logistics Support software products since 1985
- Over 2500 users in 22 countries across 60 companies
- 3 Main Product Lines:
 - EAGLE Logistics Support Analysis Record (LSAR) - Logistics Management Information (LMI)
 - EAGLE Publishing System (EPS) – Electronic Publications solution for S1000D and MIL-STD-40051-1
 - EAGLE Web – Distributed Review and Comment tool (web-based)
 - EAGLE Maintenance Management Information System (MMIS) – Operations and Depot (PBL) (web-based)



ASTOR Ground Stations

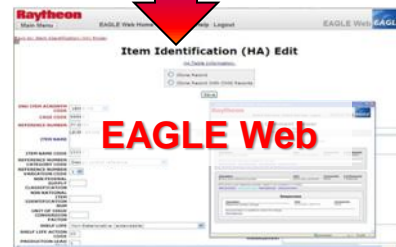
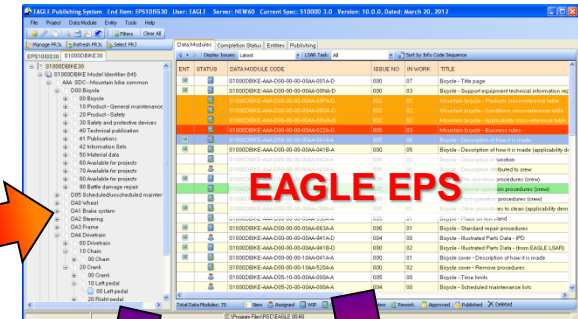
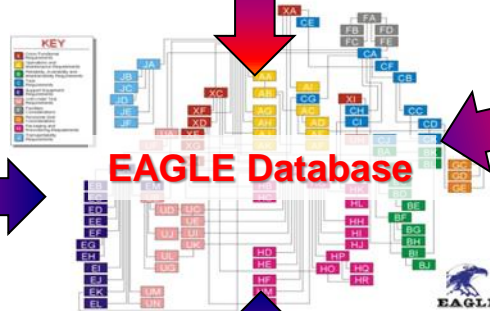


ASTOR Sentinel R Mk 1 in Flight



Operational Level Ground Station

A woman in a business setting is talking on a mobile phone. A large red arrow points towards her, indicating the focus of the text. In the background, other people are working at computers in an office environment.



EAGLE Publishing System (EPS)

Author, manage and publish ASD S1000D and MIL-STD-40051-1 Interactive Electronic Technical Manuals (IETM) data

EAGLE Publishing System End Item: EPSDEMO401 User: EAGLE Server: EAG11B Current Spec: S1000D 4.0.1 Version: 11.0.0, Dated: August 9, 2013

File Project Data Module Entity Tools Help

Filters Clear All

Manage PRJs Refresh PRJs Select PRJ

Data Modules Completion Status Entities Publishing

Display Issues: Latest LSAR: All Sort by Info Code Sequence

EPSBIKE401

S1000DBIKE S1000D Bike Samples

- AAA System Difference Code
 - D00 Bicycle
 - 00 Bicycle
 - DA0 Wheel
 - 10 Inner Tube
 - 10 Inner Tube
 - 00 Inner Tube
 - 20 Tire
 - 00 Tire
 - 00 Rear Wheel
 - 00 Rear Wheel
 - DA1 Brake System
 - DA2 Steering
 - DA3 Frame
 - DA4 Drivetrain
 - DA5 Gears
 - S1000DLIGHTING S1000D Bike Sample
 - ENGINE EAGLE Engine Option

| ENT | STATUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE | TECH NAME | INFO NAME | COMMENTS | AUTHOR | REVIEWER | CHECK OUT DATE | TYPE |
|-----|--------|--------------------------------------|----------|---------|-------------------------------------|------------------|-------------------------------------|----------|--------|----------|----------------------|-------------|
| | | ENGINE-72-00-00-00-00AA-520A-A | 000 | 01 | Engine turbine - Remove proced... | Engine turbine | Remove procedures | | EAGLE | | 3/25/2013 8:31:46 AM | PROCEDURAL |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00PA-D | 004 | 00 | Mountain bicycle - Products cross | Mountain bicycle | Products cross-reference table | | EAGLE | EAGLE | | PRODUCTSC |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00QA-D | 004 | 00 | Mountain bicycle - Conditions cro | Mountain bicycle | Conditions cross-reference table | | EAGLE | EAGLE | | CONDITIONSC |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00VA-D | 005 | 00 | Mountain bicycle - Applicability cr | Mountain bicycle | Applicability cross-reference table | | EAGLE | EAGLE | | APPLICCROSS |
| | | S1000DBIKE-AAA-D00-00-00-00AA-022A-A | 007 | 02 | Mountain bicycle - Business rules | Mountain bicycle | Business rules | | EAGLE | EAGLE | 6/3/2013 12:59:51 PM | BREX |
| | | S1000DBIKE-AAA-D00-00-00-00AA-041A-A | 007 | 09 | Bicycle - Description of how it is | Bicycle | Description of how it is made | | EAGLE | EAGLE | 4/4/2013 11:20:49 AM | DESCRIPTIVE |
| | | S1000DBIKE-AAA-D00-00-00-00AA-042A-A | 007 | 01 | Bicycle - Description of function | Bicycle | Description of function | | EAGLE | EAGLE | 4/4/2013 11:22:27 AM | DESCRIPTIVE |
| | | | | | Bicycle | Bicycle | Description attributed to crew | | EAGLE | EAGLE | | CREW |
| | | | | | Bicycle | Bicycle | Pre-operation procedures (crew) | | EAGLE | EAGLE | | PROCEDURAL |
| | | | | | Bicycle | Bicycle | Riding a bicycle | | EAGLE | EAGLE | | PROCESS |
| | | | | | Bicycle | Bicycle | Normal operation procedures (cr... | | EAGLE | EAGLE | | CREW |
| | | | | | Bicycle | Bicycle | Post-operation procedures (crew) | | EAGLE | EAGLE | | PROCEDURAL |
| | | | | | Bicycle | Bicycle | Other procedures to clean | | EAGLE | EAGLE | | PROCEDURAL |
| | | | | | Bicycle | Bicycle | Inspection | | EAGLE | EAGLE | 4/3/2013 7:25:20 AM | PROCEDURAL |
| | | | | | Bicycle | Bicycle | Place on test stand | | EAGLE | EAGLE | | PROCEDURAL |

Analyze S1000DBIKE-AAA-D00-00-00-00AA-041A-A - 9/3/2013 11:08:44 AM

Parser External References Internal References Entity Declarations BREX Validation

Validate Internal Refs

| TYPE | ID | REFERENCE |
|---------|----------------------------|-----------------------------------|
| FIGURE | fig-0001 | Physical description of a bicycle |
| GRAPHIC | ICN-S1000DBIKE-AAA-D00000 | fig-0001 |
| TABLE | | Physical description of a bicycle |
| HOTSPOT | fig-0001-gra-0001-hot-0000 | 0.hot000 |
| HOTSPOT | fig-0001-gra-0001-hot-0001 | 1.hot001 |
| HOTSPOT | fig-0001-gra-0001-hot-0002 | 2.hot002 |
| HOTSPOT | fig-0001-gra-0001-hot-0003 | 3.hot003 |
| HOTSPOT | fig-0001-gra-0001-hot-0004 | 4.hot004 |
| HOTSPOT | fig-0001-gra-0001-hot-0005 | 5.hot005 |
| HOTSPOT | fig-0001-gra-0001-hot-0006 | 6.hot006 |
| HOTSPOT | fig-0001-gra-0001-hot-0007 | 7.hot007 |
| HOTSPOT | fig-0001-gra-0001-hot-0008 | 8.hot008 |

Hover over symbol associated to reference for more details.

No Issues Needs attention Information - may need attention Warning - may need attention

Internal References: 28

| ENT | STATUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE | TECH NAME | INFO NAME | COMMENTS | AUTHOR | REVIEWER | CHECK OUT DATE | TYPE |
|-----|--------|--------------------------------------|----------|---------|---|-----------|-----------|----------|--------|----------|----------------|------|
| | | S1000DBIKE-AAA-DA0-20-00-00AA-520A-A | 006 | 00 | Rear wheel - Remove procedures | Rear wh | | | | | | |
| | | S1000DBIKE-AAA-DA1-00-00-00AA-041A-A | 006 | 00 | Brake system - Description of ho... | Brake sy | | | | | | |
| | | S1000DBIKE-AAA-DA1-00-00-00AA-341A-A | 006 | 00 | Brake system - Manual test | Brake sy | | | | | | |
| | | S1000DBIKE-AAA-DA1-10-00-00AA-251A-A | 006 | 00 | Brake pads - Clean with rubbing ... | Brake pa | | | | | | |
| | | S1000DBIKE-AAA-DA2-00-00-00AA-041A-A | 007 | 00 | Steering - Description of how it is ... | Steering | | | | | | |
| | | S1000DBIKE-AAA-DA2-10-00-00AA-520A-A | 007 | 00 | Stem - Remove procedures | Stem | | | | | | |
| | | S1000DBIKE-AAA-DA2-10-00-00AA-720A-A | 007 | 00 | Stem - Install procedures | Stem | | | | | | |
| | | S1000DBIKE-AAA-DA2-20-00-00AA-520A-A | 007 | 00 | Handlebar - Remove procedures | Handleb | | | | | | |
| | | S1000DBIKE-AAA-DA2-20-00-00AA-720A-A | 007 | 00 | Handlebar - Install procedures | Handleb | | | | | | |
| | | S1000DBIKE-AAA-DA2-30-00-00AA-041A-A | 006 | 00 | Headset - Description of how it is ... | Headset | | | | | | |
| | | S1000DBIKE-AAA-DA2-30-00-00AA-520A-A | 007 | 00 | Headset - Remove procedures | Headset | | | | | | |
| | | S1000DBIKE-AAA-DA2-30-00-00AA-720A-A | 007 | 00 | Headset - Install procedures | Headset | | | | | | |
| | | S1000DBIKE-AAA-DA3-00-00-00AA-041A-A | 006 | 00 | Frame - Description of how it is m... | Frame | | | | | | |

Total Data Modules: 66

New Assigned WIP Checked Out Review Rework Approved Published Deleted

C:\Program Files (x86)\RSC\EAGLE 2B ELT

Assigned Data Modules

End Item EPSDEMO401 Project Name EPSBIKE401 Show Priority Color

User EAGLE

| PROJECT NAME | DATA MODULE CODE | ISSUE NO | IN WORK | STATUS | ASSIGNMENT | PER |
|--------------|----------------------------------|----------|---------|--------|---------------------|-----|
| EPSBIKE401 | ENGINE-72-00-00-00-00AA-520A-A | 000 | 01 | | AUTHOR | |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 004 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 004 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 005 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 02 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 09 | | AUTHOR and REVIEWER | 15 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 001 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-2 | 007 | 02 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-2 | 000 | 01 | | AUTHOR | |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-3 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-6 | 008 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-9 | 006 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-000B-04 | 000 | 01 | | AUTHOR | |

Total Assignments: 66

| PROJECT NAME | DATA MODULE CODE | ISSUE NO | IN WORK | STATUS | ASSIGNMENT | PER |
|--------------|----------------------------------|----------|---------|--------|---------------------|-----|
| EPSBIKE401 | ENGINE-72-00-00-00-00AA-520A-A | 000 | 01 | | AUTHOR | |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 004 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 004 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 005 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 02 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 09 | | AUTHOR and REVIEWER | 15 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-0 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 001 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-1 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-2 | 007 | 02 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-2 | 000 | 01 | | AUTHOR | |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-3 | 007 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-6 | 008 | 00 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-00AA-9 | 006 | 01 | | AUTHOR and REVIEWER | 0 |
| EPSBIKE401 | S1000DBIKE-AAA-D00-00-00-000B-04 | 000 | 01 | | AUTHOR | |

Total Assignments: 66

EAGLE EAGLE EAGLE EAGLE

PROCEDURAL DESCRIPTIVE

Some Features and Highlights of EPS

- **ASD S1000D & MIL-STD-40051 Common Source Database**
 - Automated workflow and configuration management of data
 - Integrated editor and authoring tools to assist productivity and accuracy
 - Extensive analysis of authoring errors and inconsistencies
 - Powerful Search and Replace wizard
- **Fully Integrated with EAGLE LSAR**
 - Population of data modules from LSAR Task data
 - Personnel requirements, Support Equipment, Consumables & Spares
 - Task Narrative changes made in EPS are automatically saved back to the LSAR
 - LSAR and Technical Manuals match each other
 - Engineering changes flow into the technical documentation
 - Technical Writers enhance the LSAR Task Narratives
 - Generate Illustrated Parts Data modules (IPD) directly from LSAR parts data
- **Authoring Tools and Validation**
 - Integrated XML Editor – Edit, Insert objects and references and validate
 - Search and Replace across CSDB maintaining data configuration
- **S1000D Projects**
 - Validate data against BREX data modules
 - Create and edit Publication Modules for customized IETM Table Of Contents (TOC)
 - Preview data modules directly in trilogiReview and as PDF

Populate procedural data modules directly from EAGLE LSAR task data **Raytheon**

The screenshot shows the EAGLE Publishing System interface. The top bar displays: EAGLE Publishing System End Item: BICYCLE User: EAGLE Server: RMSCPS Current Spec: S1000D 3.0 Version: 8.2.0, Dated: October 21, 2010. The left pane shows a tree view of data modules for 'BICYCLE', including items like '63 Main rotor drives', '64 Tail rotor', '65 Tail rotor drive', '66 Folding blades/pylon', '67 Rotors flight control', '68 Bicycle', '69 NOT GIVEN', '70 Standard practices - Engine', '71 Power plant', '72 Engine', '73 Engine fuel and control', '74 Ignition', '75 Air', '76 Engine controls', '77 Engine indicating', '78 Exhaust', '79 Oil', '80 Starting', '81 Turbines', '82 Water injection', '83 Accessory gearboxes', '84 Propulsion augmentation', '85 NOT GIVEN', '86 Lift system', '87 NOT GIVEN', '88 NOT GIVEN', '89 NOT GIVEN', '90 Recovery', '91 Air vehicle wiring', '92 Radar', '93 Surveillance', '94 Weapons system', '95 Crew escape and safety', '96 Missiles, drones and teleme', '97 Image recording', '98 Meteorological and atmosph', and '99 Electronic warfare'. The right pane shows a table of data modules with columns: ENT, STATUS, DATA MODULE CODE, ISSUE NO, IN WORK, TITLE, and REVISION DATE. The table contains two rows: one for 'BICYCLE-LX2-99-70-00-00A-520A-A' (Issue 000, In Work 00, Title 'General | Remove procedures', Revision Date 10/28/2010 9:34:34 AM) and one for 'BICYCLE-LX2-99-80-00-00A-280A-A' (Issue 000, In Work 01, Title 'General | Inspection', Revision Date 10/25/2010 10:44:17 AM). Below the table, there is a section for 'Total Data Modules: 2' with buttons for New, Assigned, WIP, Checked Out, Review, Rework, Approved, and Published. At the bottom, there is a table for 'Partial Task Information' with columns: LCN, ALC, LCN Type, Task Code, Subtask, and Subtask Identification. The table contains one row: LCN 'BIKE01', ALC '0', LCN Type 'P', Task Code 'HDCNCAA', Subtask '1', and Subtask Identification 'REMOVE FRAME ASSY'.

| ENT | STATUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE | REVISION DATE |
|-----|--------|---------------------------------|----------|---------|-----------------------------|------------------------|
| | | BICYCLE-LX2-99-70-00-00A-520A-A | 000 | 00 | General Remove procedures | 10/28/2010 9:34:34 AM |
| | | BICYCLE-LX2-99-80-00-00A-280A-A | 000 | 01 | General Inspection | 10/25/2010 10:44:17 AM |

| LCN | ALC | LCN Type | Task Code | Subtask | Subtask Identification |
|--------|-----|----------|-----------|---------|------------------------|
| BIKE01 | 0 | P | HDCNCAA | 1 | REMOVE FRAME ASSY |

Data Module
Associated with
Maintenance Task
from EAGLE LSAR

LSAR Task Data
reference:
LCN, ALC, LCN Type,
Task Code etc.

Create Illustrated Parts Data modules from LSAR Data

Associate an IPD data module with the LSAR

Drag LSAR provisioned parts over to the IPD parts list

| | | | | | |
|--------------------------------------|-----|----|-----------------------|---------|-------------|
| S1000DBIKE-AAA-D00-00-00BB-941A-D | 000 | 05 | Bicycle - IPD | Bicycle | IPD |
| S1000DBIKE-AAA-D05-10-00-00AA-000A-A | 007 | 00 | Bicycle - Time limits | Bicycle | Time limits |

Total Data Modules: 66 New Assigned WIP Checked Out Review Rework Approved Published Deleted

Reference Technical Manual: **TM1** IPB Subject: **BICYCLE** CSN Doc Code: **000000**

IPB Figure Number: **F000** IPB Title: **Bicycle** Figure Number: **00**

IPPN: **DUMMYIPPN** Variant: **BB**

IPB Information

S1000D IPB Design Current End Item: EPSDEMO401

TM Code: **TM1** End Item: **EPSDEMO401** CSN Doc Code: **000000** Figure No: **00** Variant: **BB** HK Figure #: **F000** IPPN: **DUMMYIPPN**

DM Code: **S1000DBIKE-AAA-D00-00-00BB-941A-D** IPB Title: **Bicycle**

CAGE Reference Number Item Name End Item LCN ALC

☒ Display Tree View ☒ Zero Pad Item No. ☒ Reserve Variant Character

| Item No. | Ind. | ISN | Reference Number | CAGE | Item Name |
|----------|------|-----|------------------|-------|------------------|
| 005 | 1 | 00A | MC-168119 | 99999 | BICYCLE ASSEMBLY |
| 010 | 3 | 00A | CC-012R | 99999 | FENDER, REAR |
| 015 | 3 | 00A | MC-PA-TU-604 | 99999 | PEDAL ASSEMBLY |
| 020 | 2 | 00A | ESL749ZF | 99999 | FRAME ASSEMBLY |
| 025 | 3 | 00A | FSS-749 | 99999 | FRAME |
| 030 | 4 | 00A | TU-604L | 99999 | PEDAL |
| 035 | 4 | 00A | PA6SE | 99999 | ARM, PEDAL |
| 040 | 4 | 00A | DK7-S380P SIS | 99999 | CHAINWHEEL |

Records: 41

Order Artwork ID Find Artwork

1 ICN-S1000DBIKE-AAA-DA12000-0-U8025-00542-A-001-01

IPB Subject: **BICYCLE BRAKE SERVO**

Build Date/Time: 3/21/2013 10:20:49

ISN Maintenance Current End Item: EPSDEMO401

TM Code: **TM1** End Item: **EPSDEMO401** CSN Doc Code: **000000** Figure No: **00** Variant: **BB** HK Figure #: **F000** IPPN: **DUMMYIPPN**

DM Code: **S1000DBIKE-AAA-D00-00-00BB-941A-D** IPB Title: **Bicycle**

CAGE Reference Number Item Name End Item LCN ALC

| Item No. | CAGE | Reference Number | Item Name | End Item | LCN | ALC | Item IPPN | ISN | Fig. Indent |
|----------|-------|------------------|------------------|------------|----------|-----|-----------|-----|-------------|
| 000 | 99999 | MC-168119 | BICYCLE ASSEMBLY | EPSDEMO401 | BIKE | 00 | DUMMYIPPN | 00A | 1 |
| 001 | 99999 | ESL749ZF | FRAME ASSEMBLY | EPSDEMO401 | BIKE01 | 00 | DUMMYIPPN | 00A | 2 |
| 002 | 99999 | FSS-749 | FRAME | EPSDEMO401 | BIKE01AA | 00 | DUMMYIPPN | 00A | 3 |
| 003 | 99999 | WH-ATB-36 | HANDLE BAR | EPSDEMO401 | BIKE01AB | 00 | DUMMYIPPN | 00A | 3 |
| 004 | 99999 | KY-40 | STEM, HANDLE BAR | EPSDEMO401 | BIKE01AC | 00 | DUMMYIPPN | 00A | 3 |

Records: 41

ISN PAS NSN CBS CCS CTL CES RFD ILS CAN

Item No. Fig. Indenture ISN (Incl. Var.)

000 1 00A

Reason for Selection

Not A Recommended Spare

Wear

Maintenance Damage

Loss

Vibration

Corrosion

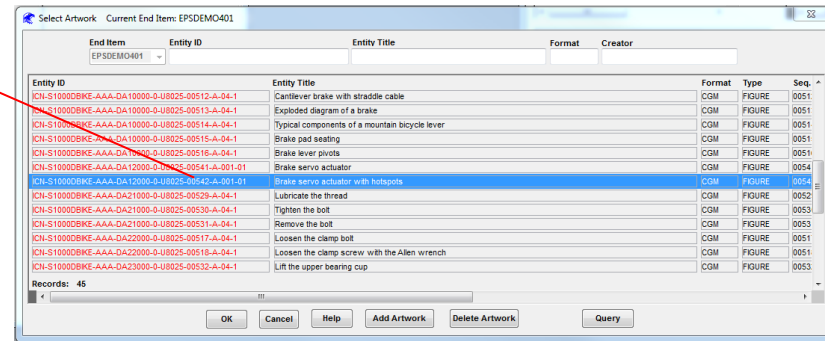
QTY/LOC

For each part add S2000M data that will display in the IPD data module

Populate IPD data modules with LSAR Parts Data

Add the IPD Figures from the Entities

After automatically sequencing and resorting the item numbers (if necessary) – release the LSAR data to populate the IPD data module



Release Data Module

| | | |
|---|--|------------------------------|
| End Item
EPDEMO401 | Data Module Code
S1000DBIKE-AAA-D00-00-00-00BB-941A-D | Seq. No.
006 |
| End Item
EPDEMO401 | Tech. Manual Code
TM1 | Figure No.
F000 |
| Data Module Status | | Task Config. Status |
| Release Date
9/4/2013 | Release Identifier
MOD | Release Authority
MOD PDR |
| Release Comments
Demonstration | | |
| Data Module Type
4.0.1 - S1000D Issue 4.0.1 | | |
| <input type="checkbox"/> Generate Change Markers
<input type="checkbox"/> Remove Change Markers | | |
| <input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/> | | |

Populated IPD data module can be viewed with trilogiReview or as a PDF

Bicycle - IPD

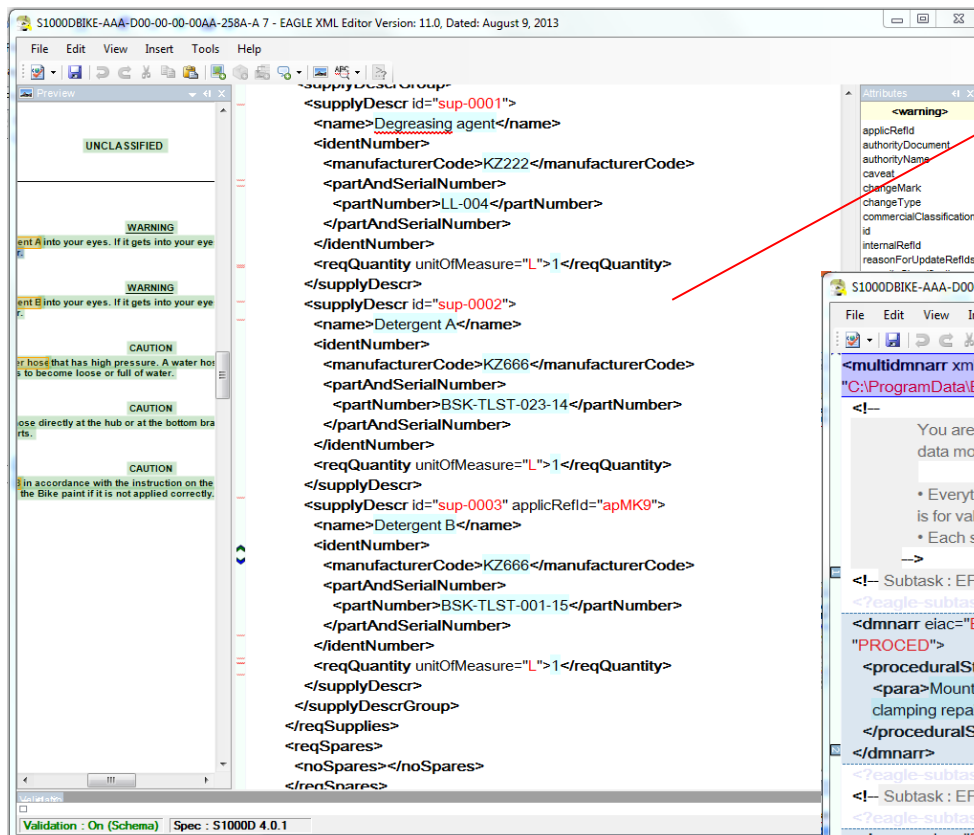
S1000DBIKE-AAA-D00-00-00-00BB-941A-D

Figure 0B, Bicycle

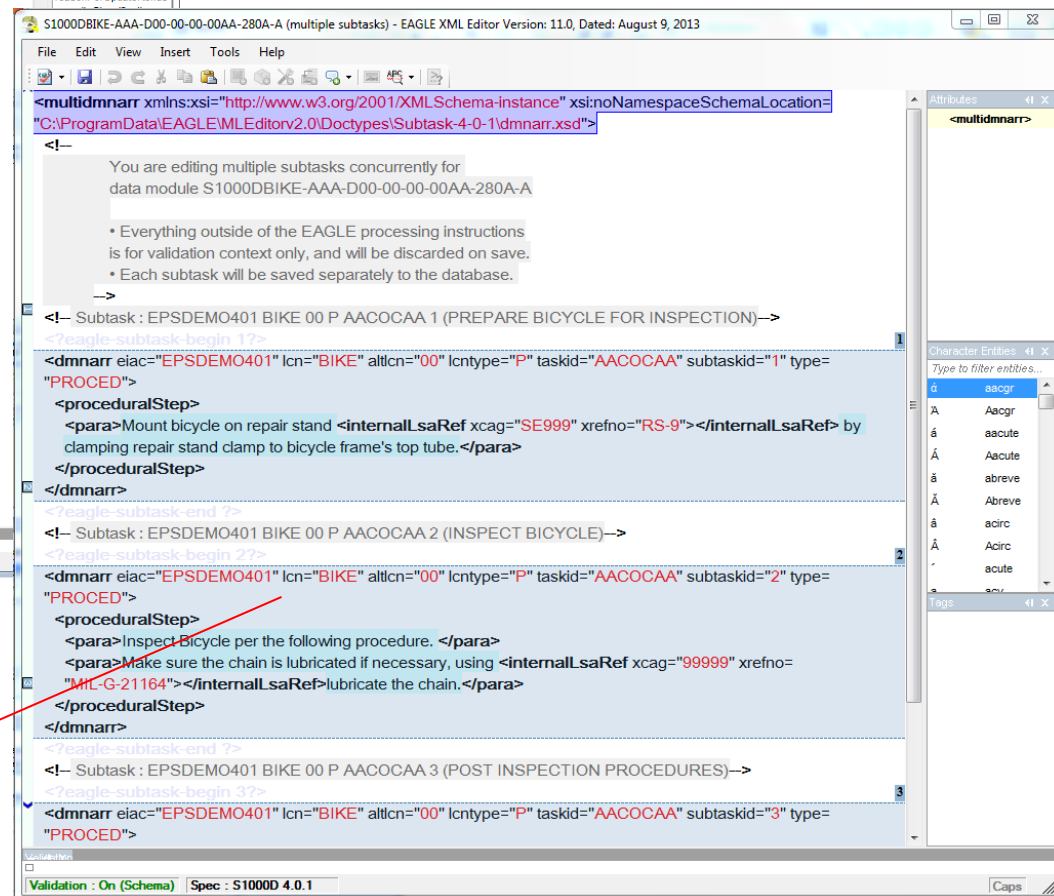
| Fig | Item | Units per assembly/ Unit of Issue | Part No | Description | ★ Usable on code | • MV/Effect | I C Y | SMR |
|-----|------|--|-------------------------------------|---|------------------|-------------|-------|-------|
| 0B | 5 | 1/EA | 99999 MC-168119
5230-99-234-3425 | ● BICYCLE ASSEMBLY
(ILSN: BIKE 00 / Unit of Issue Qualification: 00001 / Physical Security: U / USN) | | | | PAODD |
| 10 | 2 | 99999 S-MM-9E
1285-00-845-3338 | ●●●● STAY | (ILSN: BIKE03AA07 00 / Unit of Issue Qualification: / Physical Security: U / USN) | | | | PAOZZ |
| 15 | 2 | 99999 MC-PA-TU-604
2840-01-654-3296 | ●●● PEDAL ASSEMBLY | (ILSN: BIKE03AA 00 / Unit of Issue Qualification: / Physical Security: U / USN) | | | | PAOOO |
| 20 | 1/EA | 99999 MRX-170-71
2860-00-146-5934 | ●●● DERAILUER ARM | (ILSN: BIKE03AC 00 / Unit of Issue Qualification: 00001 / Physical Security: U / USN) | | | | XB |
| 25 | 1/EA | 99999 CC-012R
2840-01-023-7645 | ●●● FENDER,REAR | (ILSN: BIKE01AH 00 / Unit of Issue Qualification: 00001 / Physical Security: U / USN) | | | | PAOZZ |

Figure 0B.1, Bicycle

Edit data modules in EPS and LSAR narrative with the same editor



Procedural data module not linked to LSAR data



Editing LSAR subtasks used to populate Procedural data module

EAGLE XML Editor

- Integrated into EAGLE for LSAR task narrative and EPS data module editing
- DTD / Schema aware – shows Tags and Attributes and constantly validates XML
- Instant Preview of content as PDF – working hyperlinks and navigation
- Can validate the data module against the project BREX data module

The screenshot displays the EAGLE XML Editor window. The title bar indicates the file path: EPS::[EPSDEMO30:EPSDEMO30:EPSDEMO30-A-72-30-30-05A-520A-B:0] - EAGLE XML Editor. The menu bar includes File, Edit, View, and Tools. Below the menu bar are buttons for Validate and Clear.

The main editing area is divided into three panes:

- Left Pane (Preview):** Displays a structured document outline. Under the 'Procedure' section, it lists 'Preliminary requirements', 'Required conditions', 'Support equipment', 'Consumables, materials, and expendables', 'Spares', and 'Safety conditions'. Each section is associated with a table.

| Action/Condition | Data module/Tool |
|------------------|------------------|
| None | |

| Name | Identification/Reference | Quantity |
|------------------------------------|--------------------------|----------|
| EXTRACTOR - SEAL HOUSING INTERCASE | Part K0378/HU24706 | 1.00 |

| Name | Identification/Reference | Quantity |
|-------------------|--------------------------|----------|
| KEROSENE | Part 81346/ASTM D 1655 | 5.00 |
| OVERSHOES, RUBBER | Part K0378/MIL-O-836 | 2.00 |

| Name | Identification/Reference | Quantity |
|------|--------------------------|----------|
| BOLT | Part U1653/AS21017 | 10.00 |
- Center Pane (Text):** Contains the task narrative text, which includes XML tags like `<para>`, `<step2>`, `<xref xrefid="fig-0001_hot005" xidtype="hotspot">`, and `</xref>`. The text describes the removal of a gearbox/accessory pack and the installation of an extractor.
- Right Pane (Attributes and Tags):**
 - Attributes:** A list of XML attributes such as `authdoc`, `authname`, `caveat`, `change`, `class`, `commcls`, `id`, `level`, `mark`, `refapplic`, and `rtc`.
 - Tags:** A list of XML tags including `<acronym>`, `<acroterm>`, `<applic>`, `<capgrp>`, `<cb>`, `<change>`, `<deflist>`, `<ein>`, `<emphasis>`, `<ftnote>`, `<ftnref>`, `<indxflag>`, `<parasigdata>`, `<quantity>`, `<randlist>`, `<refdm>`, `<refftp>`, and `<seqlist>`.

At the bottom of the window, a status bar shows 'Validation : On (Schema)' and 'Spec : S1000D_3'.

Real-time validation and references

Real-time validation of the xml and references

non-reheated Adour engine family operators increased thrust, increased life. Through the introduction of a FADEC. This by the Adour in service, maintaining it by its predecessors.

reheated Adour engine family for the U.S. SEPECAT Jaguar customers that gives it the Mk104 in RAF service. The design

of reheated and non-reheated versions of the engine family. The basic versions of the engine, progressive upgrading steps are achieved by a practical possibility test.

<para>A deliberate policy of parallel development of reheated and non-reheated versions of the Adour is b in the basic versions of the engine is retained to the maximum extent. Furthermore, progressive upgrading steps of existing engines a practical possibility test.</para>

<figure id="fig-0001">

<title>Adour turbofan - General view</title>

<graphic boardno="ICN-EPSPDEMO30-A-000000-A-99999-00001-A-01-1"></graphic>

</figure>

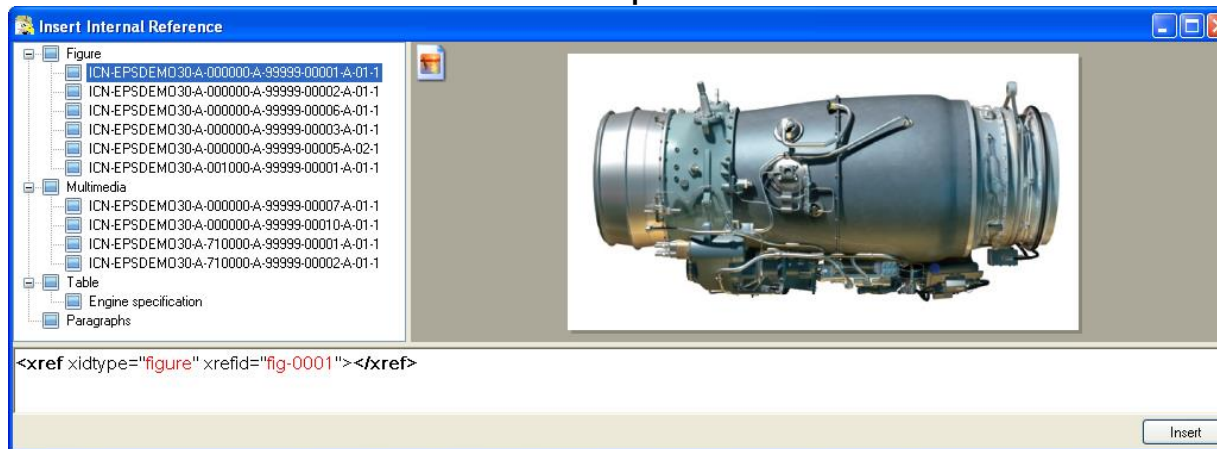
</para0>

<warning></warning>

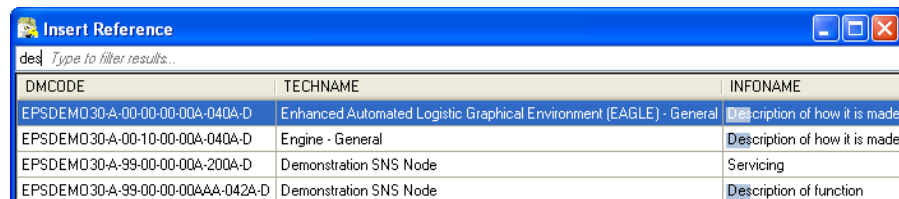
<para>This is a broken xref: <xref xidtype="table" xrefid="invalid id"></xref></para>

</para0>

Insert Internal References with point & click



Insert External References



Open an LSAR subtask for edit

Open LSAR subtasks for edit directly from the data module – no need for technical writers to learn how to navigate the EAGLE LSAR application

Server: EAGLE Server: EAG90M Current Spec: S1000D 3.0 Version: 10.0.0, Dated: November 26, 2012

Clear All

Data Modules Completion Status Entities Publishing

Display Issues: Latest LSAR: Linked Sort by Info Code Sequence

| ENT | STATUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE |
|-----|--------|----------------------------------|----------|---------|--|
| | | EPSDEMO30-A-24-20-00-00A-200A-D | 001 | 02 | General - Servicing |
| | | EPSDEMO30-A-26-00-00-00A-520A-D | 000 | 01 | General - Remove procedure |
| | | EPSDEMO30-A-71-00-00-00A-941A-B | 000 | 05 | Power plant - General - IllustratedParts Data - IPD |
| | | EPSDEMO30-A-72-00-00-00A-941A-B | 000 | 04 | Propulsion unit - Illustrated Parts Data - IPD |
| | | EPSDEMO30-A-72-30-30-00A-520B-B | 000 | 03 | Intermediate Compressor case, Module M03 - Remove from Build Stool procedure |
| | | EPSDEMO30-A-72-30-30-00A-941A-B | 000 | 01 | Intermediate compressor case, Module M03 - Illustrated Parts Data - IPD |
| | | EPSDEMO30-A-72-30-30-05A-520A-B | 000 | 09 | Seal housing - Remove procedure |
| | | EPSDEMO30-A-72-30-30-08A-520A-B | 000 | 02 | HS gearbox drive shaft - Removeprocedure |
| | | EPSDEMO30-A-72-30-30-10A-920A-B | 000 | 06 | Speed probes - Change = Removeand install |
| | | EPSDEMO30-A-72-30-30-20A-663A-B | 000 | 04 | Cupwashers BR 5000 (R/ADR/BR 50000A) - Standard repair procedure |
| | | EPSDEMO30-A-99-00-00-00A-200A-D | 001 | 00 | Demonstration SNS Node - Servicing |
| | | EPSDEMO30-A-99-00-00-00EE-300A-D | 000 | 01 | Demonstration SNS Node - Examinations, tests and checks |
| | | EPSDEMO30-A-99-00-00-00EE-520A-D | 000 | 00 | Demonstration SNS Node - Remove procedure |

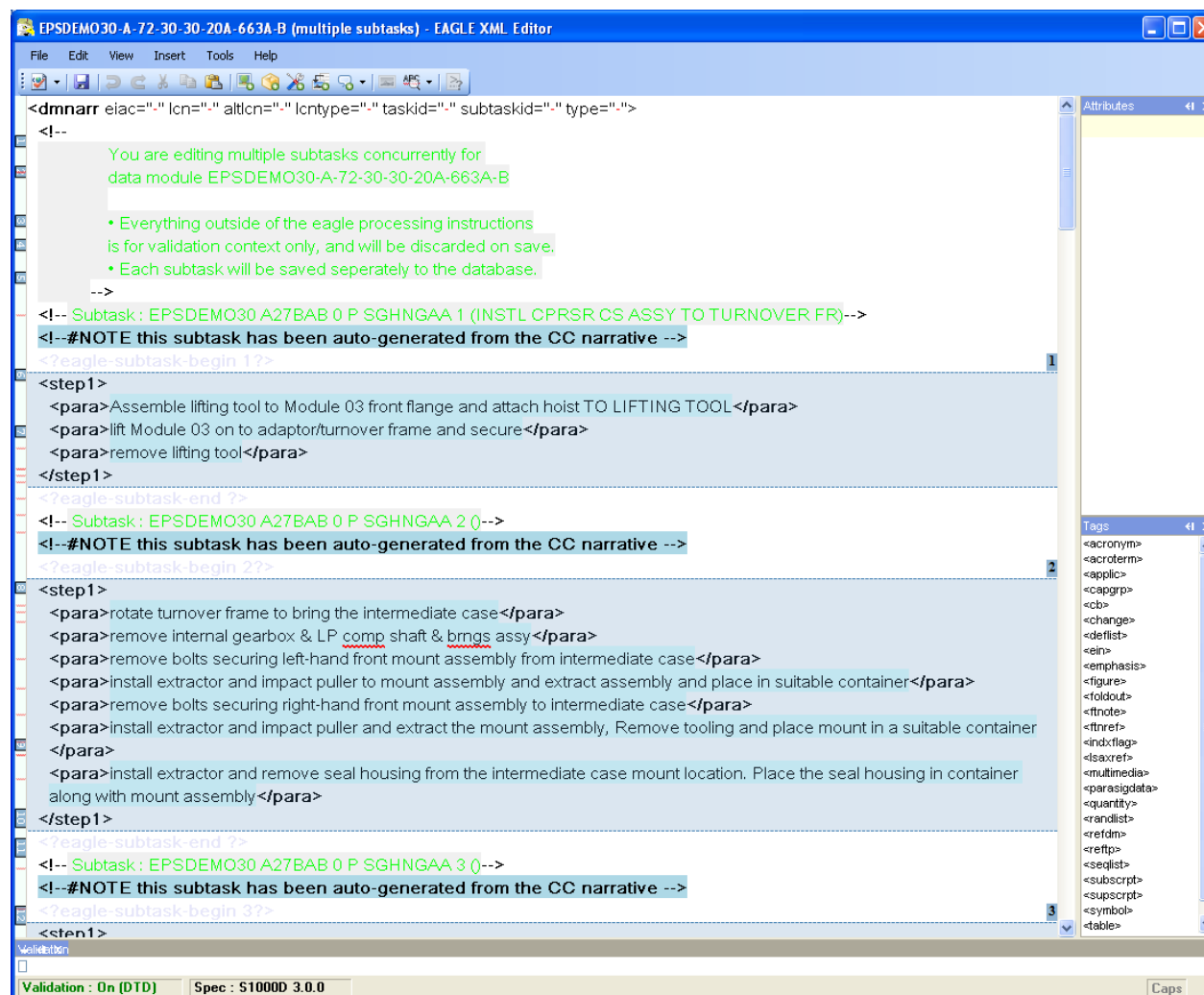
Total Data Modules: 13 New Assigned WIP Checked Out Review Rework Approved Published Deleted

| Subtask | Subtask Identification | Type | Reference Flag |
|---------|--------------------------------------|--------|----------------|
| 1 | INSTL CPRSR CS ASSY TO TURNOVER FR | PROCED | |
| 2 | REMOVE ENGINE FRONT MOUNTS | PROCED | |
| 3 | NOTE | NOTE | |
| 4 | RMV HS GEARBOX DRIVE SHAFT ASSEMBLY | PROCED | |
| 5 | RMV LP SPEED PROBE CONN ASSY | PROCED | |
| 6 | RMV INT CPRSR CS ASSY FR TURNOVER FR | PROCED | |
| 7 | REPL HP CPRSR SFT AND | | |
| 8 | REPL INTL GRBX & CPRSR | | |
| 9 | REPL LP SPEED PROBE C | | |
| 10 | REPL HS GEARBOX DRIVE SHAFT ASSEMBLY | PROCED | |
| 11 | REPLACE ENGINE FRONT MOUNTS | PROCED | |
| 12 | RMV INT CPRSR CS ASSY FR TURNOVER FR | PROCED | |

Edit XML Edit Subtask Type

Edit multiple LSAR subtasks

- Edit multiple LSAR sub-tasks in the EAGLE XML Editor at the same time
- Narrative changes are saved to the LSAR task narrative



Viewing data modules

The left window, Adobe Acrobat Professional, displays a PDF document titled 'TempView.PDF'. The content is a table with the following columns: Fig (1), Item (2), Units per assembly /Unit of issue (3), NCAGE (4), Part No. NATO stock No. (5), Nomenclature (6), * Usable on code assy • MV/Effect (7), and SMR Code (9). The table lists 10 items related to a bicycle assembly.

| Fig (1) | Item (2) | Units per assembly /Unit of issue (3) | NCAGE (4) | Part No. NATO stock No. (5) | Nomenclature (6) | * Usable on code assy • MV/Effect (7) | SMR Code (9) |
|---------|----------|---------------------------------------|-------------|-----------------------------|-------------------|---------------------------------------|--------------|
| 1 | 0001 EA | 99999 | MC-168119 | | BICYCLE AS SEMBLY | *A | PAODD |
| | 0001 EA | 99999 | MC-168120 | | BICYCLE AS SEMBLY | *B | PAODD |
| 1 | 0001 EA | 99999 | ESL749ZF | | FRAME AS SEMBLY | *ALL | PBODD |
| 2 | 0001 EA | 99999 | FSS-749 | | FRAME | *ALL | XA |
| 3 | 0001 EA | 99999 | WH-ATB-36 | | HANDLE BAR | *ALL | PAOZZ |
| 4 | 0001 EA | 99999 | KY-40 | | STEM,HANDLE BAR | *ALL | PAOZZ |
| 5 | 0001 EA | 99999 | HBC-MT-3667 | | CLAMP,HANDLE BAR | *ALL | PAOZZ |
| 6 | 0001 EA | 99999 | CS-9488 | | FORK | *ALL | PAOZZ |
| 7 | 0001 EA | 99999 | CC-012F | | FENDER,FRONT | *ALL | PAOZZ |
| 8 | 0001 EA | 99999 | YCS-301F | | KICKSTAND | *ALL | PAOZZ |
| 9 | 0001 EA | 99999 | CC-012R | | FENDER,REAR | *ALL | PAOZZ |
| 10 | 0001 EA | 99999 | SC-MT-591 | | CLAMP,SEAT | *ALL | PAOZZ |

The right window, Windows Internet Explorer, displays a rendered IETP view of the same data. It includes a technical drawing of a bicycle with numbered callouts (1-34) corresponding to the items in the table. The table continues with items 20 through 23, including parts like BEARING ASSEMBLY, CHAIN, DERAILLEUR ARM, and DERAILLEUR ASSEMBLY.

Data Modules can be viewed directly from EPS as either PDF pages or rendered in an IETP view

Raytheon

| Data Modules | | Completion Status | Entities | Publishing | | | |
|-----------------|--------|--------------------------------------|-----------|------------|---|------------------|--|
| Display Issues: | | Latest | LSAR: All | | Sort by Info Code Sequence | | |
| ENT | STATUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE | TECH NAME | |
| | | ENGINE-72-00-00-00-00AA-520A-A | 000 | 01 | Engine turbine - Remove proced... | Engine turbine | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00PA-D | 004 | 00 | Mountain bicycle - Products cross... | Mountain bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00QA-D | 004 | 00 | Mountain bicycle - Conditions cro... | Mountain bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-00WA-D | 005 | 00 | Mountain bicycle - Applicability cr... | Mountain bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-022A-D | 007 | 02 | Mountain bicycle - Business rules | Mountain bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-041A-A | 007 | 09 | Bicycle - Description of how it is ... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-042A-A | 007 | 01 | Bicycle - Description of function | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-043A-A | 007 | 00 | Bicycle - Description attributed to ... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-121A-A | 007 | 00 | Bicycle - Pre-operation procedure... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-130A-A | 001 | 00 | Bicycle - Riding a bicycle | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-131A-A | 007 | 01 | Bicycle - Normal operation proce... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-151A-A | 007 | 00 | Bicycle - Post-operation procedur... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-161A-A | 003 | 01 | Bicycle - Other procedures to clean | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-162A-A | 001 | 01 | Bicycle - Inspection | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-163A-A | 000 | 00 | Bicycle - Place on test stand | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-164A-A | 000 | 00 | Bicycle - Scheduled maintenance... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-165A-A | 000 | 00 | Bicycle - Scheduled maintenance... | Bicycle | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-166A-A | 001 | 01 | Wheel - Description of how it is m... | Wheel | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-167A-A | 000 | 00 | Inner tube - Remove and install a ... | Inner tube | |
| | | S1000DBIKE-AAA-D00-00-00-00AA-168A-A | 000 | 00 | Tire - Fill with air | Tire | |

EPSDEMO30-A-72-30-30-08A-520A-B

HS gearbox drive shaft - Remove procedures

UNCLASSIFIED

| Data Module / Technical Publication | Title |
|-------------------------------------|-------|
| None | |

Preliminary Requirements

Required Conditions

| Required Condition | Data Module / Technical Publication |
|------------------------|-------------------------------------|
| No required conditions | |

Support Equipment

| Name | Identification / Reference | Quantity | Remark |
|----------------------------------|----------------------------|----------|--------|
| No support equipment is required | | | |

Consumables, Materials and Expendables

| Name | Identification / Reference | Quantity | Remark |
|-----------------------------|----------------------------|----------|--------|
| No consumables are required | | | |

Spares

| Name | Identification / Reference | Quantity | Remark |
|------------------------|----------------------------|----------|--------|
| No spares are required | | | |

Safety Conditions

None

Procedure

- Removal and disassembly**
 - Remove bolts Fig 1 [7] and washers Fig 1 [6] together with retaining plate Fig 1 [5], seal ring Fig 1 [4] and drive shaft Fig 1 [3] from intermediate compressor case Fig 1 [1] and place in a safe location. Install cover to aperture. Remove and discard seal ring Fig 1 [4] refer to A1-F405B-SPM-000, DP1 (WP 006 01).

[Figure 1. Module M03 - HS gearbox drive shaft](#)

Requirements After Job Completion

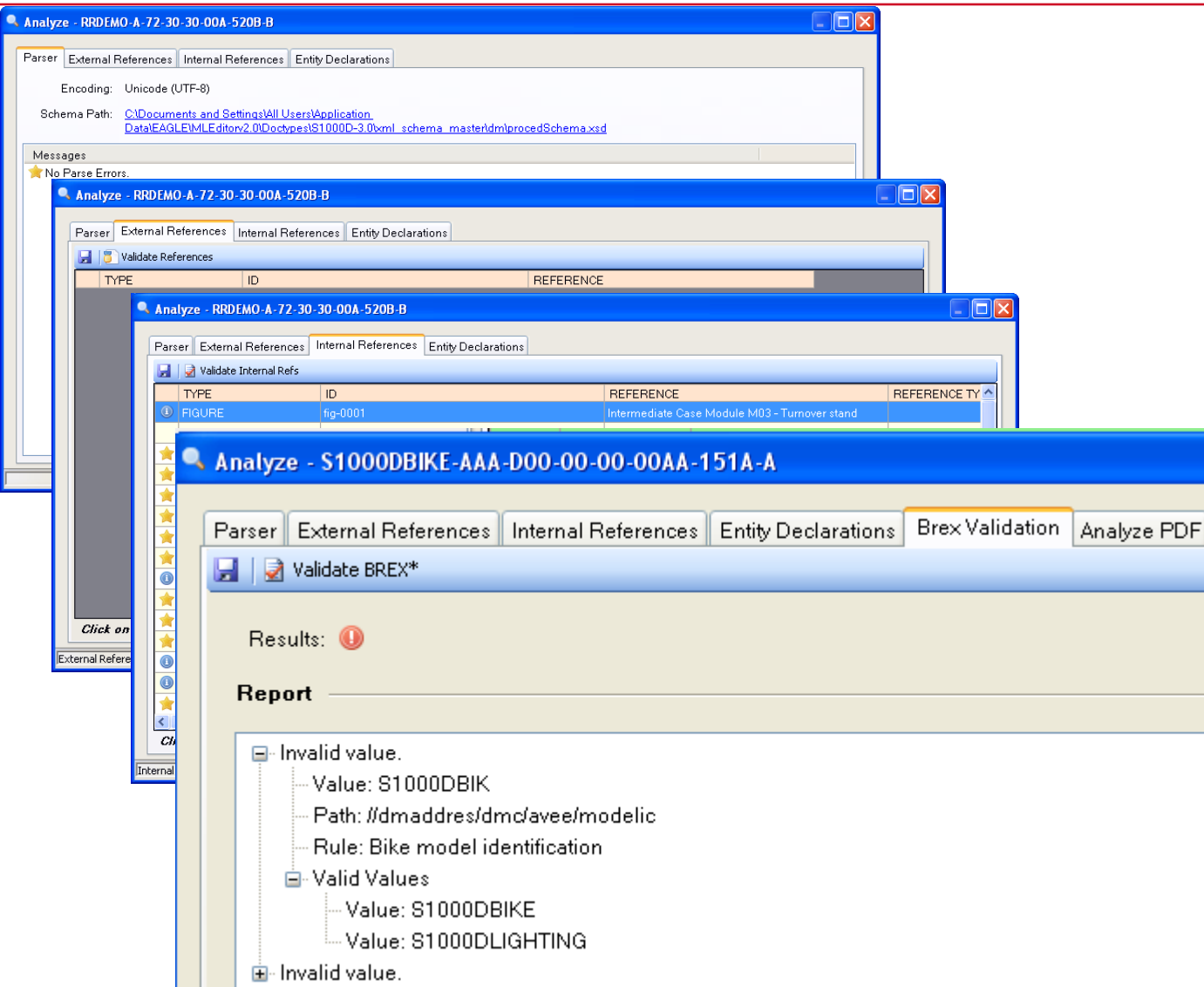
Required Conditions

| Required Condition | Data Module / Technical Publication |
|------------------------|-------------------------------------|
| No required conditions | |

End Of Data Module

- 1 INTERMEDIATE CASE
- 2 INTERNAL GEARBOX
- 3 HS GEARBOX DRIVE SHAFT
- 4 SEAL RING
- 5 RETAINING PLATE
- 6 FLAT WASHER (2 OFF)
- 7 BOLT (2 OFF)
- 8 BOLT (12 OFF)

Data Analysis and Validation



The Analyze window displays six tabs:

- Parse errors (against the associated schema)
- External References (DM references)
- Internal References (figure and hotspots etc)
- Entity Declarations (entity declarations in the DM)
- Brex Validation (checks the DM against the Project Business rules documented in the BREX data module)

History and Roll Back

Integrated History tool compares the current xml with the xml instance when the data module was checked in, project sets the allowed number of instances – the data can be rolled back in time

Select a date/time
to compare
current xml with

Changes indicated by
color
Red = Deleted content
Blue = Changed content
Green = Added content

The screenshot displays the 'EAGLE Rollback Viewer' interface. At the top, a table lists data module instances with columns: DATA MODULE CODE, ISSUE NO, IN WORK, and TITLE. Below this, the 'EAGLE Rollback Viewer' window is open, showing a 'Backup' list on the left and a 'Current XML' view on the right. The 'Backup' list shows a timeline of checks-in with dates and times. The 'Current XML' view shows the XML content with changes highlighted in color: red for deleted content, blue for changed content, and green for added content. A red arrow points from the text 'Select a date/time to compare current xml with' to the 'Backup' list. Another red arrow points from the text 'Changes indicated by color' to the XML content.

| TUS | DATA MODULE CODE | ISSUE NO | IN WORK | TITLE | TECH |
|-----|---------------------------------|----------|---------|---|-------|
| | EPSDEMO30-A-00-00-00-00A-022A-D | 001 | 01 | Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Business ru... | Enha |
| | EPSDEMO30-A-00-00-00-00A-040A-D | 000 | 01 | Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Description ... | Enha |
| | EPSDEMO30-A-00-00-10-00A-00TA-B | 000 | 02 | EAGLE Publishing System (EPS) - General - Change record | EAGL |
| | EPSDEMO30-A-00-00-10-10A-018A-D | 001 | 04 | EAGLE Publishing System (EPS) - Capability demonstration - Introduction | EAGL |
| | EPSDEMO30-A-00-10-00-00A-001A-D | 000 | 03 | Engine - General - Title page | Engir |

EAGLE Rollback Viewer. PRJ NAME: EPSDEMO30, DM CODE: EPSDEMO30-A-00-10-00-00A-040A-D

Backup: 02/03/2011 06:22:03, 02/08/2011 07:23:08, 02/03/2011 06:22:03, 02/01/2011 21:22:55, 02/01/2011 21:14:41, 02/01/2011 21:06:33, 02/01/2011 08:05:14, 01/31/2011 17:58:15, 01/31/2011 17:43:35

Current XML:

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <IDOC TYPE dmodule [<ENTITY ICN-EPSDEMO30-A-000000-A-99999-00000-A-01-1 SYSTEM "IC
3 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00002-A-01-1 SYSTEM "IC
4 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00006-A-01-1 SYSTEM "IC
5 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00003-A-01-1 SYSTEM "IC
6 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00005-A-02-1 SYSTEM "IC
7 <ENTITY ICN-EPSDEMO30-A-001000-A-99999-00001-A-01-1 SYSTEM "IC
8 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00007-A-01-1 SYSTEM "IC
9 <ENTITY ICN-EPSDEMO30-A-000000-A-99999-00010-A-01-1 SYSTEM "IC
10 <ENTITY ICN-EPSDEMO30-A-710000-A-99999-00001-A-01-1 SYSTEM "IC
11 <ENTITY ICN-EPSDEMO30-A-710000-A-99999-00002-A-01-1 SYSTEM "IC
12 <ENTITY % ISOEntities PUBLIC "ISO 8879-1986/ENTITIES ISO Character
13 ]>
14 <dmodule xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:n
15 <idstatus>
16 <dmaddress>
17 <dmc>
18 <avee>
19 <modelic>EPSDEMO30</modelic>
20 <sdc>A</sdc>
21 <chapnum>00</chapnum>
22 <section>1</section>
23 <subject>0</subject>
24 <subject>00</subject>
25 <discode>00</discode>
26 <discodev>A</discodev>
27 <discode>00</discode>
28 <discodev>A</discodev>
  
```


Search and Replace wizard

Search and Replace Wizard can find or change any data or xml tag or attribute in any or all data modules and associated LSAR Task Narratives

Maintains data integrity by implementing the correct data module workflow

Can update references to other data modules and update the cross reference table in the EAGLE database

Summary of changes made – option of release all LSAR data to data modules after change

EAGLE Search/Replace Module - Setup Search

Search/Replace Wizard

Setup Search

☐ Search ☒ Replace

Search: washer

Replace: split washer

EAGLE Search/Replace Module - Run Search/Replace

Search/Replace Wizard

Run Search/Replace

The following data modules were updated:

| | | | |
|------------|------------|----------------------------------|---|
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-26-00-00-00A-520A-D | 0 |
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-72-30-30-08A-520A-B | 0 |
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-72-30-30-00A-663A-B | 1 |
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-72-30-30-10A-920A-B | 0 |
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-72-30-30-20A-663A-B | 0 |
| EPSPDEMO30 | EPSPDEMO30 | EPSPDEMO30-A-72-30-30-00A-920A-B | 0 |

The following subtasks were updated:

| | | | | | |
|------------|--------|---|---|---------|----|
| EPSPDEMO30 | A27BAB | 0 | P | RGHNGAD | 1 |
| EPSPDEMO30 | A27BAA | 0 | P | RGHNGAD | 1 |
| EPSPDEMO30 | A27BAB | 0 | P | HGHNGAC | 1 |
| EPSPDEMO30 | A27BAA | 0 | P | HGHNGAC | 1 |
| EPSPDEMO30 | A27BAA | 0 | P | HGHNGAB | 8 |
| EPSPDEMO30 | A27BAA | 0 | P | HGHNGAB | 13 |

168/168 (100%) Updates Completed Release Tasks Abort

Back Close

EAGLE Search/Replace Module - Run Search/Simulation

Search/Replace Wizard

Run Search/Simulation

Subtask XML can be updated

EPSPDEMO30 : EPSPDEMO30 : EPSPDEMO30-A-72-30-30-00A-920A-B -> (EPSPDEMO30 : A27BAA : 0 : P : HGHNGAB : 127 (ref:none))

-> hand, fit the nuts, bolts and washers with respective brackets to

168/168 (100%) Simulation Completed Release Tasks Abort

Back Replace Close

Change simulation displayed

Completion Status and program metrics

Save icon generates
spreadsheets of
data grid view

Data Grid displays
production targets
and progress for
each data module

EAGLE Publishing System End Item: GFTV User: EAGLE Server: RMSCPS Current Spec: S1000D 3.0 Version: 9.0.0, Dated: December 25, 2010

File Project Data Module Entity Tools Help

Filters Clear All

Manage PRJs Refresh PRJs Select PRJ

Data Modules Completion Status Entities Publishing

GFTV

AAAA

- 00 GFTV - General
- 01 NOT GIVEN
- 02 Not given
- 03 Not given
- 04 Worthiness (fit for purpose) li
- 05 Scheduled/unscheduled ma
- 06 Dimensions and areas
- 07 Lifting, shoring, recovering a
- 08 Leveling and weighing
- 09 Handling and maneuvering
- 10 Parking, mooring, storing an
- 11 Placards and markings
- 12 Servicing
- 13 Not given
- 14 Product loading and offloadi
- 15 Crew information
- 16 Change of role
- 17 Not given
- 18 Vibration and noise analysis
- 19 Not given
- 20 Propulsion
- A1 Power pack
- A2 Power unit
- A3 Engine cooling system
- A4 Fuel systems
- A5 Air and exhaust systems
- A6 Lubrication systems
- A7 Transmission
- A8 Automotive/remote piloting a

| DATA MODULE CODE | ISSUE NO | IN WORK | ESTIMATED HOURS | ACTUAL HOURS | PERCENT COMPLETE | ESTIMATED START |
|-------------------------------|----------|---------|-----------------|--------------|------------------|-----------------|
| GFTV-AAAA-00-00-00-00A-022A-D | 000 | 06 | 1 | 190 | 0 | 01/13/2011 |
| GFTV-AAAA-00-90-10-00A-421A-A | 002 | 05 | 56 | 96.30 | 100 | 01/13/2011 |
| GFTV-AAAA-05-40-00-10A-281A-A | 001 | 00 | | 1 | 100 | |
| GFTV-AAAA-05-40-00-20A-281A-A | 002 | 00 | | 0.30 | 100 | |
| GFTV-AAAA-05-40-00-30A-281A-A | 001 | 00 | | 0 | 100 | |
| GFTV-AAAA-05-40-00-40A-281A-A | 001 | 01 | 1 | | | 01/13/2011 |
| GFTV-AAAA-05-40-00-50A-281A-A | 001 | 00 | 2 | | | 01/13/2011 |
| GFTV-AAAA-05-40-00-60A-281A-A | 001 | 00 | 21 | | | 01/13/2011 |
| GFTV-AAAA-05-40-00-70A-281B-A | 001 | 00 | 1 | | | 01/13/2011 |
| GFTV-AAAA-05-40-00-80A-281B-A | 002 | 00 | | 71.60 | 100 | |
| GFTV-AAAA-15-00-00-00A-023A-A | 000 | 01 | 1 | 0.80 | | 01/13/2011 |
| GFTV-AAAA-15-00-00-00A-043A-A | 000 | 01 | 1 | 0.60 | | 01/13/2011 |
| GFTV-AAAA-15-00-00-00A-111A-A | 000 | 01 | 2 | 0 | | 01/13/2011 |
| GFTV-AAAA-15-10-00-10A-281A-A | 001 | 03 | 33 | 27.40 | 100 | 01/13/2011 |
| GFTV-AAAA-15-10-00-20A-281A-A | 001 | 02 | 2 | 20.60 | 100 | 01/13/2011 |
| GFTV-AAAA-15-10-00-30A-281A-A | 001 | 02 | 3 | 20.40 | 100 | 01/13/2011 |
| GFTV-AAAA-15-10-00-40A-281A-A | 001 | 01 | 32 | 4.50 | 0 | 01/13/2011 |
| GFTV-AAAA-15-10-00-50A-281A-A | 001 | 01 | 33 | 4.70 | 0 | 01/13/2011 |
| GFTV-AAAA-15-20-00-00A-023A-A | 002 | 00 | | 94.30 | 100 | |
| GFTV-AAAA-15-91-00-10A-421A-A | 001 | 03 | 21 | 236.80 | 10 | 01/13/2011 |
| GFTV-AAAA-15-92-00-10A-421A-A | 001 | 02 | 1 | 509.30 | 0 | 01/13/2011 |
| GFTV-AAAA-15-92-00-20A-421A-A | 001 | 02 | 2 | 599.90 | 0 | 01/13/2011 |
| GFTV-AAAA-A5-21-10-00A-200A-B | 001 | 01 | 2 | 5.10 | 0 | 1/13/2011 |

Total Data Modules: 36 New Assigned WIP Checked Out Review Rework Approved Published

C:\Program Files\RSC\EAGLE 2B ELT

View and edit graphics in EPS

View graphics and hotspots from EPS

Open image for edit with EAGLE Image Viewer

The screenshot displays the Raytheon software interface for viewing and editing EPS graphics. The main window shows a technical drawing of a bicycle assembly with various components labeled with callouts. The interface includes a table of entities, a main drawing area, and an image viewer window.

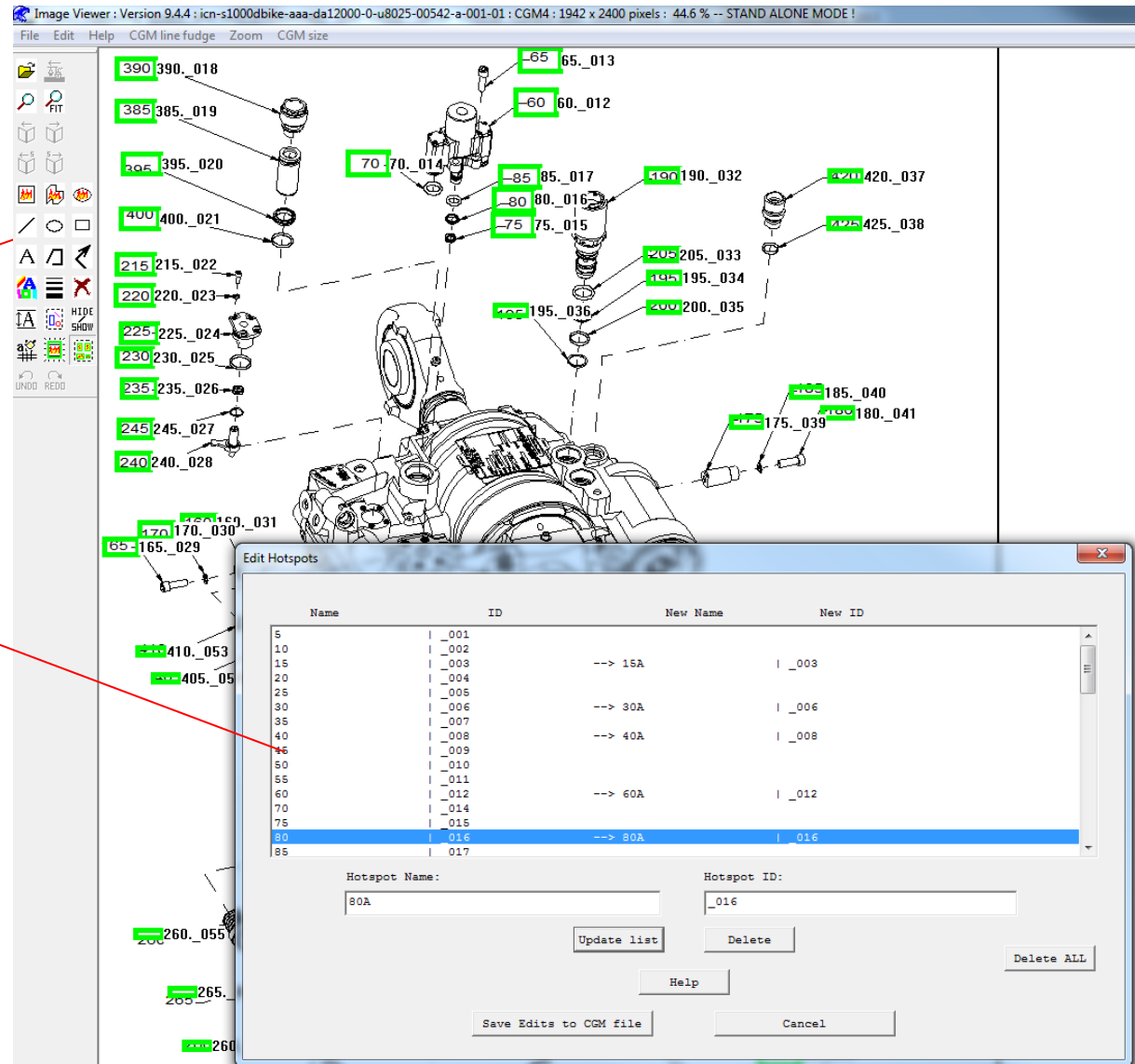
| ENTITY ID | ENTITY TITLE | FORMAT | TYPE | SEQUENCE NO |
|--------------------------------|-------------------|--------|--------|-------------|
| ICN-S1000DBIKE-AAA-D000000-... | Cleaning the bike | CGM | FIGURE | 00502 |
| ICN-S1000DBIKE-AAA-D000000-... | Complete bicycle | CGM | FIGURE | 00536 |
| ICN-S1000DBIKE-AAA-D000000-... | Bicycle | CGM | FIGURE | 00536 |
| ICN-S1000DBIKE-AAA-D000000-... | Light system | CGM | FIGURE | 00537 |

The image viewer window shows a detailed view of the bicycle assembly with callouts. The callouts are numbered and color-coded (red and green). The image viewer window also includes a toolbar with various editing tools.

Use EAGLE Image Viewer to convert graphics to **Raytheon** CGM format and add/edit callouts and hotspots

Add callout lines, text
and hotspot regions

Edit existing hotspot
names and IDs



Build Publication Modules for tailored TOC

Create folders that will become IETM TOC

Drag data modules into folders – gray indicates included in the data set

Change order of data modules as required

| TECH NAME | INFO NAME |
|-------------------------------------|------------------|
| Enhanced Automated Logistic Gr... | Business r... |
| Enhanced Automated Logistic Gr... | Description |
| EAGLE Publishing System (EPS) ... | Change rec... |
| EAGLE Publishing System (EPS) ... | Introduction |
| Engine - General | Title page |
| Engine - General | General wa... |
| Engine - General | Description |
| Engine - General | Diagram/L... |
| General | Servicing |
| General | Remove pr... |
| Power plant - General | IllustratedP... |
| Propulsion unit | Disassemb... |
| Propulsion unit | Illustrated P... |
| Intermediate compressor case, 14... | Servicing |
| Intermediate compressor case, M... | Clean with... |
| Intermediate Compressor case, ... | Remove fro... |
| Intermediate compressor case, M... | Standard r... |
| Intermediate Compressor case, ... | Change = F... |
| Intermediate compressor case, M... | Illustrated P... |
| Seal housing | Remove pr... |
| HS gearbox drive shaft | Removepro... |
| Speed probes | Change = F... |
| Cupwashers BR 5000 (R/ADR/BR... | Standard r... |
| Demonstration SNS Node | Normal op... |
| Demonstration SNS Node | Servicing |
| Demonstration SNS Node | Description |
| Demonstration SNS Node | Disassemb... |
| Demonstration SNS Node | Examination |
| Demonstration SNS Node | Remove pt... |
| Demonstration SNS Node | Installproc... |

File Edit Tools

Publication Module

End Item : **EPSDEMO30**
Name : EPSDEMO30
Title : EPSDEMO30
Description : EPSDEMO30

Hide Publication Data

Introduction

- EPSDEMO30-A-00-00-10-10A-018A-D - EAGLE Publishing System (EPS) - Capability demonstration -
- EPSDEMO30-A-00-10-00-00A-001A-D - Engine - General - Title page

Front matter

- EPSDEMO30-A-00-00-00-00A-022A-D - Enhanced Automated Logistic Graphical Environment (EAGLE
- EPSDEMO30-A-00-00-00-00A-040A-D - Enhanced Automated Logistic Graphical Environment (EAGLE
- EPSDEMO30-A-00-00-10-00A-00TA-B - EAGLE Publishing System (EPS) - General - Change record
- EPSDEMO30-A-00-10-00-00A-012A-B - Engine - General - General warningsand cautions and related
- EPSDEMO30-A-00-10-00-00A-040A-D - Engine - General - Description of how it is made and its functi
- EPSDEMO30-A-00-10-00-00A-050A-B - Engine - General - Diagram/List
- EPSDEMO30-A-24-20-00-00A-200A-D - General - Servicing

Preventive maintenance

- EPSDEMO30-A-26-00-00-00A-520A-D - General - Remove procedure
- EPSDEMO30-A-71-00-00-00A-941A-B - Power plant - General - IllustratedParts Data - IPD
- EPSDEMO30-A-72-00-00-00A-530B-B - Propulsion unit - Disassemblyto Module M03 level
- EPSDEMO30-A-72-00-00-00A-941A-B - Propulsion unit - Illustrated Parts Data - IPD
- EPSDEMO30-A-72-30-30-00A-200A-B - Intermediate compressor case, Module M03 - Servicing
- EPSDEMO30-A-72-30-30-00A-251A-B - Intermediate compressor case, Module M03 - Clean with cher
- EPSDEMO30-A-72-30-30-00A-520B-B - Intermediate Compressor case, Module M03 - Remove from E
- EPSDEMO30-A-72-30-30-00A-663A-B - Intermediate compressor case, Module M03 - Standard repair
- EPSDEMO30-A-72-30-30-00A-920A-B - Intermediate Compressor case, Module M03 - Change = Rem
- EPSDEMO30-A-72-30-30-00A-941A-B - Intermediate compressor case, Module M03 - Illustrated Parts
- EPSDEMO30-A-72-30-30-05A-520A-B - Seal housing - Remove procedure

Corrective maintenance

- EPSDEMO30-A-72-30-30-10A-920A-B - Speed probes - Change = Removeand install
- EPSDEMO30-A-72-30-30-20A-663A-B - Cupwashers BR 5000 (R/ADR/BR 50000A) - Standard repair
- EPSDEMO30-A-99-00-00-00A-130A-D - Demonstration SNS Node - Normal operation
- EPSDEMO30-A-99-00-00-00A-200A-D - Demonstration SNS Node - Servicing
- EPSDEMO30-A-99-00-00-00AAA-042A-D - Demonstration SNS Node - Description of function
- EPSDEMO30-A-99-00-00-00AAA-530A-D - Demonstration SNS Node - Disassemble procedure

Operation

- EPSDEMO30-A-99-00-00-00EE-520A-D - Demonstration SNS Node - Remove procedure
- EPSDEMO30-A-99-00-00-00aaa-720A-D - Demonstration SNS Node - Installprocedure

Validate Publication Module data

Use the Publication Module validation tool to check the data set before publishing

Finds broken hyperlinks and folders without content

| | | | | |
|--------------|-----|----|--|--------------------|
| 00A-040A-D | 000 | 10 | Engine - General - Description of how it is... | Engine - General |
| 00A-050A-B | 000 | 02 | Engine - General - Diagram/List | Engine - General |
| 00A-200A-D | 001 | 02 | General - Servicing | General |
| 00A-520A-D | 000 | 01 | General - Remove procedure | General |
| 00A-941A-B | 000 | 05 | Power plant - General - Illustrated Parts Dat... | Power plant - Gene |
| 00A-530B-B | 000 | 04 | Propulsion unit - Disassembly to Module M... | Propulsion unit |
| 00A-941A-B | 000 | | | |
| 00A-200A-B | 000 | | | |
| 00A-251A-B | 000 | | | |
| 00A-520B-B | 000 | | | |
| 00A-663A-B | 001 | | | |
| 00A-920A-B | 000 | | | |
| 00A-941A-B | 000 | | | |
| 05A-520A-B | 000 | | | |
| 08A-520A-B | 000 | | | |
| 10A-920A-B | 000 | | | |
| 20A-663A-B | 000 | | | |
| 00A-200A-D | 001 | | | |
| 00AAA-042A-D | 000 | | | |
| 00AAA-530A-D | 000 | | | |
| 00EE-300A-D | 000 | | | |
| 00EE-520A-D | 000 | | | |
| 00aaa-720A-D | 000 | | | |

The screenshot shows the 'GD - Invalid References' window. It has tabs for 'DM List with Invalid References', 'Summary List', and 'Table of Contents levels without DM'. The 'DM List with Invalid References' tab is active, displaying a tree view of invalid references. The references are listed with their IDs and descriptions, many of which are highlighted with yellow triangles indicating errors. The references include:

- (1)EPSDEMO30_EPSDEMO30_EPSDEMO30-A-71-00-00-00A-941A-B_000
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-00-00-00-00A-022A-D (Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Bu
- (1)EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-00-00-00A-941A-B_000
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-00-00-00-00A-022A-D (Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Bu
- (4)EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-00A-200A-B_000
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-05A-520A-B (Seal housing - Remove procedure)
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-08A-520A-B (HS gearbox drive shaft - Remove procedure)
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-10A-920A-B (Speed probes - Change = Remove and install)
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-00-00-00-00A-022A-D (Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Bu
- (1)EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-00A-520B-B_000
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-00-00-00-00A-022A-D (Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Bu
- (2)EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-00A-663A-B_001
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-72-30-30-20A-663A-B (Cupwashers BR 5000 (R/ADR/BR 50000A) - Standard repair procedure)
- EPSDEMO30_EPSDEMO30_EPSDEMO30-A-00-00-00-00A-022A-D (Enhanced Automated Logistic Graphical Environment (EAGLE) - General - Bu

Export Publication Modules and data, create PDF file using the same data

Complete the Publication Module fields

Publication Module, Data Modules,
Entities, DDN and DML exported

Check “Generate PDF files” and select
individual or Complete Manual to
create PDF from the same data

Set Verification level as required

The screenshot shows the 'Publication Module' dialog box with the 'DDN and DML' tab selected. The 'Publication Module Code (PMC)' field contains 'PMC-EPSDEMO30-99999-DEMOP-00_001-00'. The 'End Item' is 'EPSDEMO30', 'Publication Name' is 'EPSDEMO30 Publication', and 'Publication Title' is 'Creating a Publication Module'. The 'Publication Number' is 'DEMOP' and 'Model ID' is 'EPSDEMO30'. The 'Issuer CAGE Code' is '99999' with a dropdown showing 'DEMO CAGE CODE'. The 'Volume' is '00', 'Issue Number' is '001', and 'In Work Number' is '00'. The 'Publication Date' is 'Thursday, February 02, 2012' and 'Schema Type' is 'Master/Module Schema'. The 'Export Directory' is 'C:\Documents and Settings\1066529\Desktop\TEMP'. The 'Generate PDF files' checkbox is checked, and the 'Output' is set to 'Complete Manual'. The 'Include Language/Country Code in Filenames' checkbox is also checked. The 'Language' is 'English (en)' and 'Country' is 'United States (US)'. The 'Verification' section shows 'First Verification' checked with 'Table Top' selected, and 'Second Verification' unchecked with 'Table Top' selected. A red arrow points from the text 'Check “Generate PDF files” and select individual or Complete Manual to create PDF from the same data' to the 'Generate PDF files' checkbox.

Publication Module

Publication DDN and DML

Publication Module Code (PMC)

PMC PMC-EPSDEMO30-99999-DEMOP-00_001-00

End Item EPSDEMO30

Publication Name EPSDEMO30 Publication

Publication Title Creating a Publication Module

Publication Number DEMOP

Model ID EPSDEMO30

Issuer CAGE Code 99999 DEMO CAGE CODE

Volume 00

Issue Number 001 In Work Number 00

Publication Date Thursday, February 02, 2012

Schema Type Master/Module Schema

Export Directory C:\Documents and Settings\1066529\Desktop\TEMP

☒ Generate PDF files ☐ Compress (zip) ☒ Include Notations

Output Complete Manual

☒ Include Language/Country Code in Filenames

Language English (en) Country United States (US)

Verification

☒ First Verification ☐ Second Verification

☒ Table Top ☐ On Object ☐ Both ☒ Table Top ☐ On Object ☐ Both

OK Cancel

EPS Summary

- EPS is a powerful, user-friendly application
- Tools provided to assist technical writers produce accurate data efficiently
 - Extensive data validation and BREX checking
 - Data roll-back
 - Search & Replace features to make global changes while maintaining configuration
- Integrated tool to convert graphic file formats and create hotspot regions
- Procedural and IPD data modules can be populated directly from LSAR data
- Integrated EAGLE xml editor
 - Real-time pdf preview shows the technical writer the output and allows navigation
 - Edit multiple LSAR subtasks at the same time
 - Constant background validation checking
- View data directly with trilogi or as pdf
- S1000D Publication Module editor and data validation tools
- Publish manuals as trilogi data sets or as pdf documents with a TOC
- Publish manuals as MIL-STD-40051 IADS-ready datasets
- Only one database to establish and one client install for EPS and LSAR
- All data accessible through the LSAR Ad Hoc Query and Reporting tools

End of Presentation

Thanks for your attention

Any Questions?

For more information, collect a brochure or see a live demonstration of any of the EAGLE Logistics Products visit the Raytheon EAGLE Booth (B02) staffed by:

Anthony Zucco – Program Manager

Mark Sprague – Product Manager

David Jacques – Support Engineer