

COLLINS AEROSPACE ECMT Generating Loadable Files PRESENTATION

April 2019



CASE ECMT: How to Generate Loadable Files

TABLE OF CONTENTS

- Overview
- Generating a mediaset
- Mediaset Wizard
- Log
- Created Files

CASE ECMT: How to Generate Loadable Files

Overview

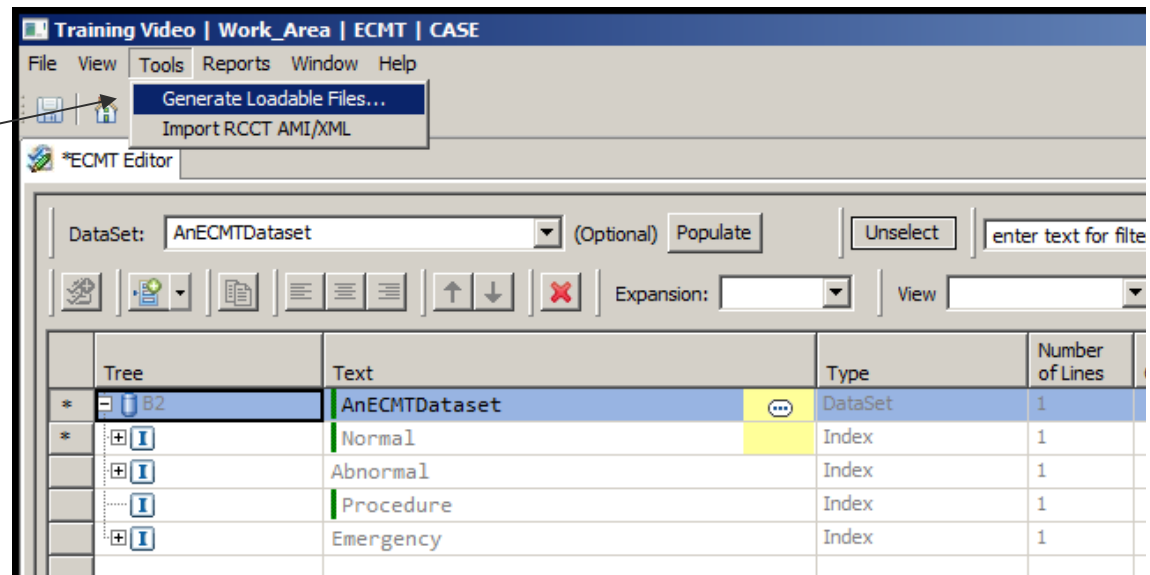
- A mediaset is a packaged series of files which can be dataloaded onto an aircraft.
- Building loadable files is centered around a Master Report, which documents all the checklists which are included in the loadable artifact.

CASE ECMT: How to Generate Loadable Files

Generating a mediaset

To build an aircraft loadable mediaset:

1. Select the Tools menu
1. Click the Generate Loadable Files menu item.



Please note that the build will be prevented until all unsaved changes are either saved or discarded.

CASE ECMT: How to Generate Loadable Files

Mediaset Wizard

You will see the ECMT mediaset build wizard:

- The Master Report Source radio button gives you an option to build from an old Master Report, but under most normal circumstances you will not need to adjust this setting.
- The Work Package control is just a reminder of the current state, and is intentionally always disabled.
- A build is always for a single Dataset. If a Work Package has a single Dataset, the control is populated automatically and disabled.
- In most situations you will only have a single Dataset, but if there are multiple you may need to select an individual one to build for.

Generate

Generate Loadable Files

To generate loadable files, enter the source of the Master Report, Part Number and a build path. Select 'Generate' to run validation, create binaries and log file. Error(s) found will halt the build.

Master Report Source: ☒ Work Package ☐ Publish Area ☐ Existing Report

Work Package: Work_Area

Dataset: AnECMTDataset

Master Report Path: Browse...

Part Number: 0000-0000

Build Target: ☒ Aircraft ☐ Lab/simulator

Mediaset Prefix: ECL_

Manufacturing code: DB_

Loadset Name: ECL_DB_0000-0000

Build Path: Browse...

Build Path cannot be empty

Log File Generate Cancel

- Red error indicators will be shown until a valid value is entered.
- Depending on your aircraft type, you may also have a Build Target selection between Aircraft or Simulator. The Lab/simulator option will write the file in a format which can be used with desktop computers.
- The Mediaset Prefix is configured by the Program Admin and the Manufacturing Code is modifiable from the Dataset.
- The Build Path is where the resulting files will be copied and is a required field.

CASE ECMT: How to Generate Loadable Files

Mediaset Wizard

You will see the ECMT mediaset build wizard:

In this example we will be generating from the Work Package

1. Enter a valid part number

1. Click the Browse button

1. Select destination

1. Click the OK Button

1. Finally click the Generate Button

Generate

Generate Loadable Files

To generate loadable files, enter the source of the Master Report, Part Number and a build path. Select 'Generate' to run validation, create binaries and log file. Error(s) found will halt the build.

Master Report Source: ☒ Work Package ☐ Publish Area ☐ Existing Report

Work Package:

Dataset:

Master Report Path:

Part Number:

Build Target: ☒ Aircraft ☐ Lab/simulator

Mediaset Prefix: ECL_

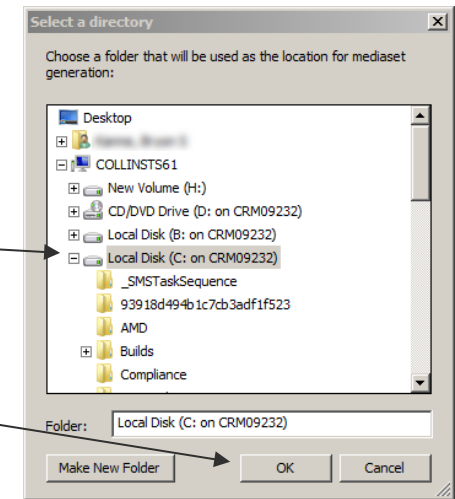
Manufacturing code: DB_

Loadset Name: ECL_DB_0000-0000

Build Path:

Build Path cannot be empty

- Your local PC is mapped under the COLLINSTS6x node.
- Expand to view the Local disks. These are for your local PC.
- If Local Disks are not visible, then try reinstalling the Citrix Receiver and adjust the permission to allow read-write to your local PC.
- Note that you will not be able to save in the top folder with your name. Nor in the "H" drive.



CASE ECMT: How to Generate Loadable Files

Mediaset Wizard

File generation will begin:

- The controls in the Generate dialog are now disabled. However, a red button to the right of the progress bar becomes enabled.
- You may stop the build process by clicking the red button.
- As the build progresses, status text will update in the lower left corner.
- If any of the downstream tools report an error, the build is halted and one or more log files will be provided at the build path entered.

Generate

Generate Loadable Files

i To generate loadable files, enter the source of the Master Report, Part Number and a build path. Select 'Generate' to run validation, create binaries and log file. Error(s) found will halt the build.

Master Report Source: ☒ Work Package ☐ Publish Area ☐ Existing Report

Work Package:

Dataset:

Master Report Path:

Part Number:

Build Target: ☒ Aircraft ☐ Lab/simulator

Mediaset Prefix: ECL_

Manufacturing code: DB_

Loadset Name: ECL_DB_0000-0000

Build Path:

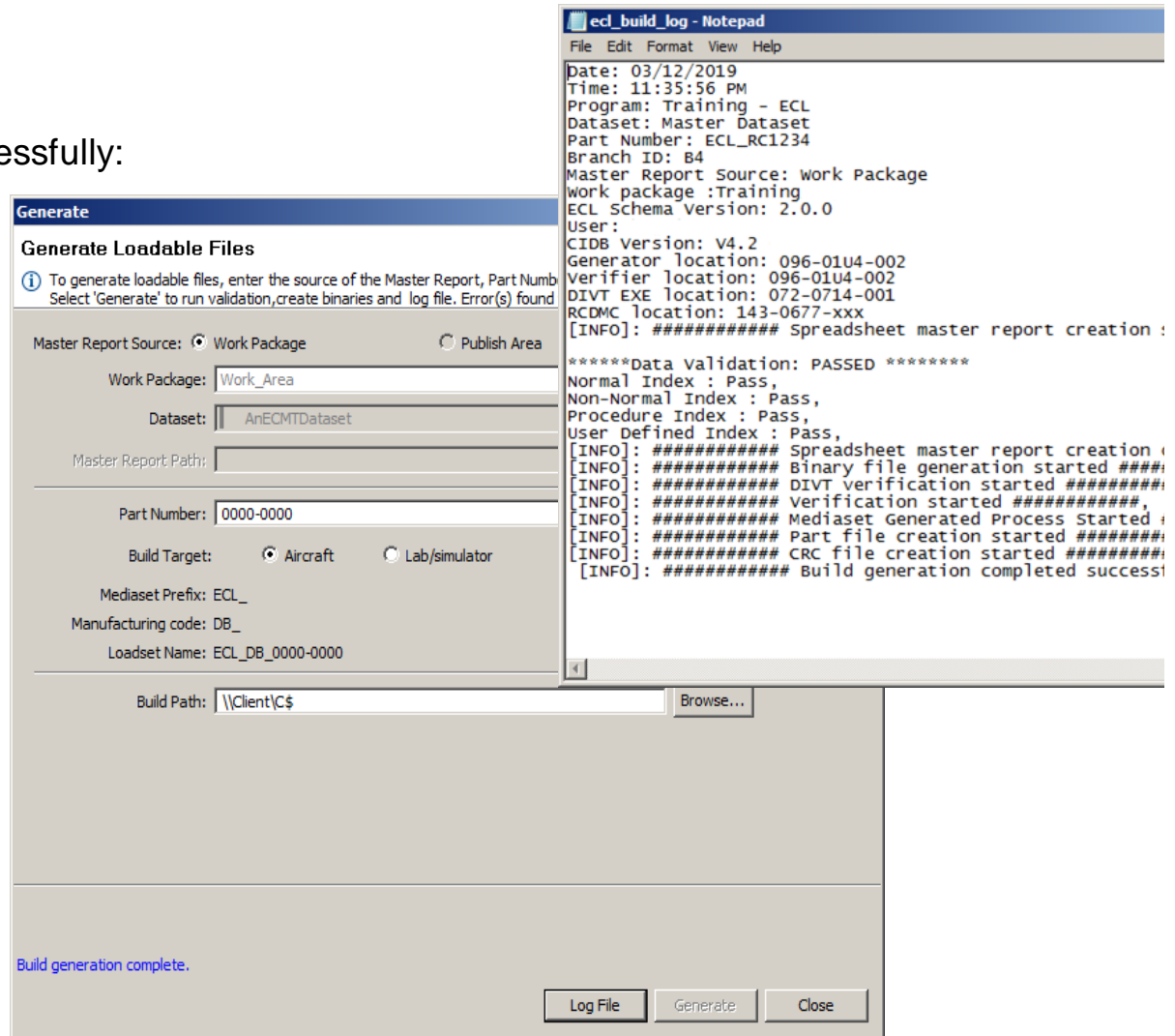
Export Status :: ECL-Generator Started

CASE ECMT: How to Generate Loadable Files

Log

After the build completes successfully:

- Click on the Log File button to view the high level results of the build.
- More detailed logs are included in the resulting artifacts returned by the build process.
- You may now click the Close button to close the build wizard.



CASE ECMT: How to Generate Loadable Files

Created Files

After the build completes successfully:

- At the provided output path will be written a series of log files, the Master Report, and a folder with the Loadset Name.
- The folder with the Loadset Name can be copied to a USB drive or other means, for loading onto an aircraft, simulator, or the ECL Desktop Trainer application.
- Depending on your aircraft type, the master report may be an XML or a spreadsheet file.

