

# 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

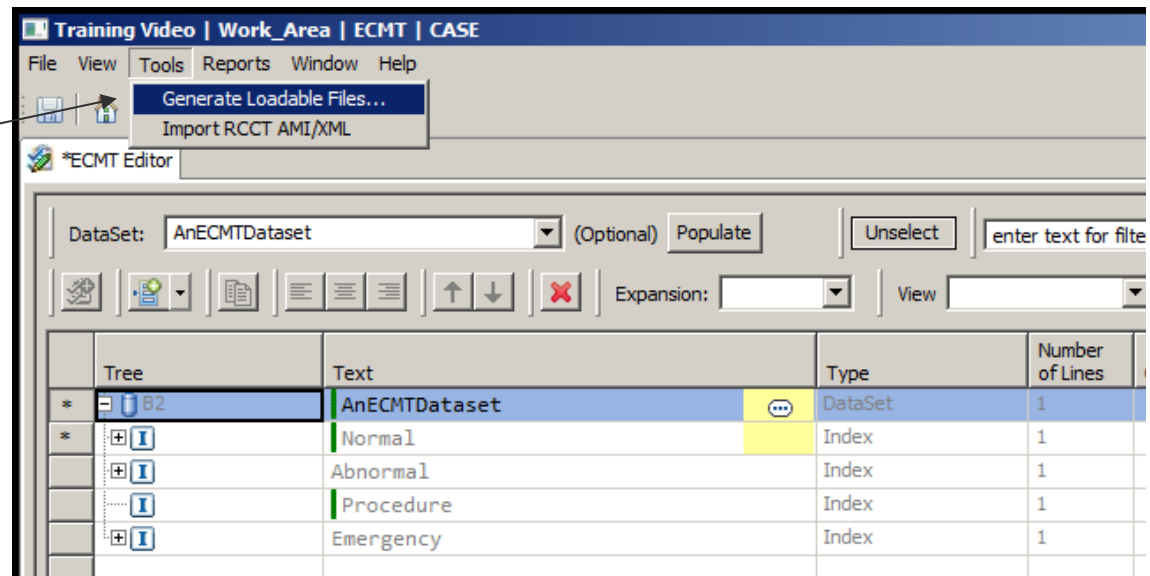
- A mediaset is a packaged series of files which can be dataloaded onto an aircraft.
- Building loadable files is centered around a Master Report, which documents all the checklists which are included in the loadable artifact.

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## 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.

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## 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.

- 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.

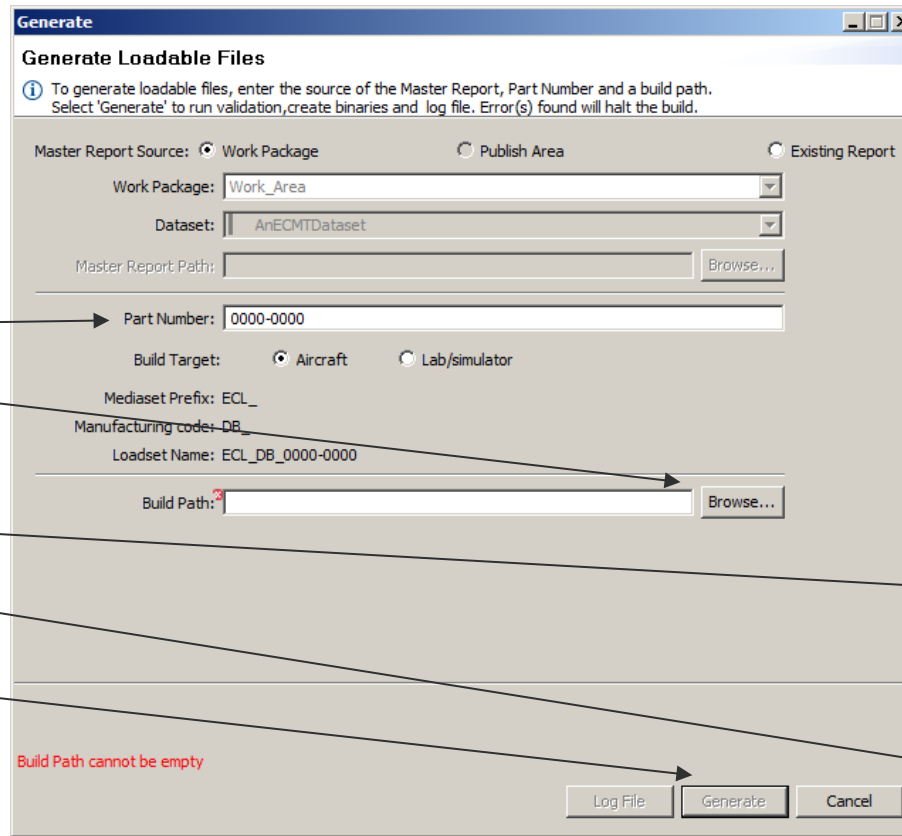
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## Mediaset Wizard

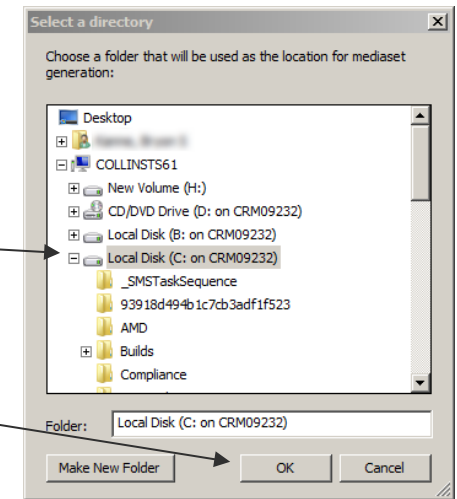
You will see the ECMT mediaset build wizard:

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



- 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.



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## 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

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## 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.

The screenshot displays the 'Generate' wizard interface and a Notepad window showing the build log. The wizard is titled 'Generate Loadable Files' and includes the following fields and options:

- Master Report Source:  Work Package  Publish Area
- Work Package:
- Dataset:
- Master Report Path:
- Part Number:
- Build Target:  Aircraft  Lab/simulator
- Mediaset Prefix:
- Manufacturing code:
- Loadset Name:
- Build Path:

At the bottom of the wizard, the text 'Build generation complete.' is displayed, along with three buttons: 'Log File', 'Generate', and 'Close'.

The Notepad window, titled 'ecl\_build\_log - Notepad', shows the following log output:

```
Date: 03/12/2019
Time: 11:35:56 PM
Program: Training - ECL
Dataset: Master Dataset
Part Number: ECL_RC1234
Branch ID: B4
Master Report Source: work Package
work package :Training
ECL Schema Version: 2.0.0
User:
CIDB Version: v4.2
Generator location: 096-01U4-002
Verifier location: 096-01U4-002
DIVT EXE location: 072-0714-001
RCDMC location: 143-0677-xxx
[INFO]: ##### Spreadsheet master report creation :
*****Data validation: PASSED *****
Normal Index : Pass,
Non-Normal Index : Pass,
Procedure Index : Pass,
User Defined Index : Pass,
[INFO]: ##### Spreadsheet master report creation :
[INFO]: ##### Binary file generation started #####
[INFO]: ##### DIVT verification started #####
[INFO]: ##### Verification started #####
[INFO]: ##### Mediaset Generated Process started :
[INFO]: ##### Part file creation started #####
[INFO]: ##### CRC file creation started #####
[INFO]: ##### Build generation completed successi
```



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## 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.

