COLLINS AEROSPACE
ECMT Configuration Management Basics
PRESENTATION

April 2019

CASE ECMT: Configuration Management Basics

Collins Aerospace

CASE ECMT: Configuration Management Basics

Overview

The Electronic Checklist Management Tool (ECMT), as part of the overall Configurable Avionics Systems Environment (CASE) tool, has built in configuration management of the checklist datasets.

- The Configuration Manager plugin provides a way to:
    - Create new checklist datasets
    - Put datasets into work areas
    - Publish work areas as new revisions of a dataset.

- The central repository of dataset revisions is called the Published Area.

- The Published Area contains the read-only history of each Dataset.

- Changes can only be made from a work area called a Work Package

- Work Packages are published to update the Published Area.

CASE ECMT: Configuration Management Basics

Overview

The Configuration Manager consists of four zones:

1. Work Package - Allows you to modify a name or change permissions, and to publish or delete a Work Package.

1. Published Area - Allows you to create a new blank dataset and to create Work Packages from existing datasets.

3. Branch Graphic - Provides a way to see the different revisions to a dataset and how branches are related.

3. Branch Details - Provides a detailed table to see the different revisions to a dataset.

![Collins Aerospace]

CASE ECMT: Configuration Management Basics

Create a Blank Dataset

To create a blank new dataset:

1. Navigate to the Published Pane and right click the ECMT root node.

1. Select the Create Trunk option

   ○ Alternatively you can use the Create Trunk toolbar button when the ECMT root node is selected.
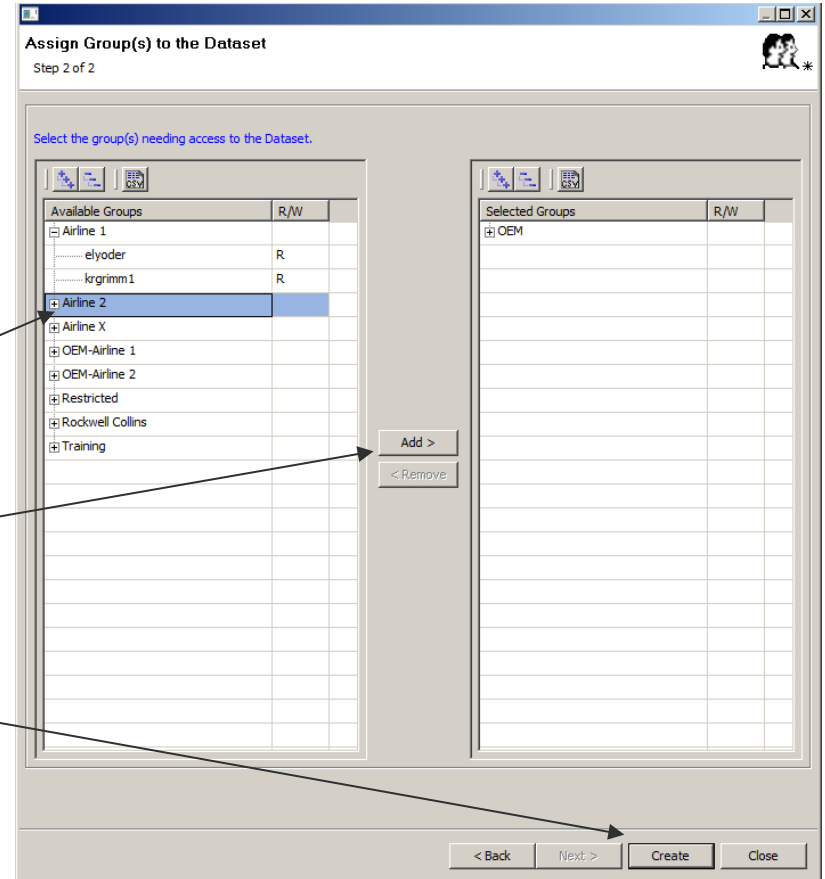
CASE ECMT: Configuration Management Basics

Create a Blank Dataset

Next you will see the Dataset creation Wizard:

1. Dataset Name, Part Number, and Manufacturing Code will be highlighted as required fields.
   - The Part Number will be used as a default value when you build or export the dataset.
   - The Manufacturing Code is usually a three or four letter abbreviation for your company.

1. Enter a value for each of these three fields by double clicking into the cell.

1. Click the next button.

Create Originating Dataset

Name cannot be empty.

Creates a new originating ECMT branch.

Enter New ECMT Values

Name	Branch Value	
Branch Type	Originating	
Dataset Name		
Part Number		
Manufacturing Code		
Comment		
Aircraft Name		
Aircraft Tail Number		

Branch Options
☑ Remove soft deleted objects

< Back   Next >   Create   Close

Collins Aerospace

CASE ECMT: Configuration Management Basics

Create a Blank Dataset

Finally you will see the Permission page:

- Here you will specify which groups should have write access to the dataset by moving that group to the list on the right using the Add button.
- Expanding a group in either table will show the users that belong to that group.

1. Select the User or Group you wish to add or remove.

1. Add or Remove User/Group by clicking the corresponding button.

1. Once the desired groups have been added to the Access table, Click the Create button.

CASE ECMT: Configuration Management Basics

Create a Blank Dataset

The newly created dataset will be added to the Published area.
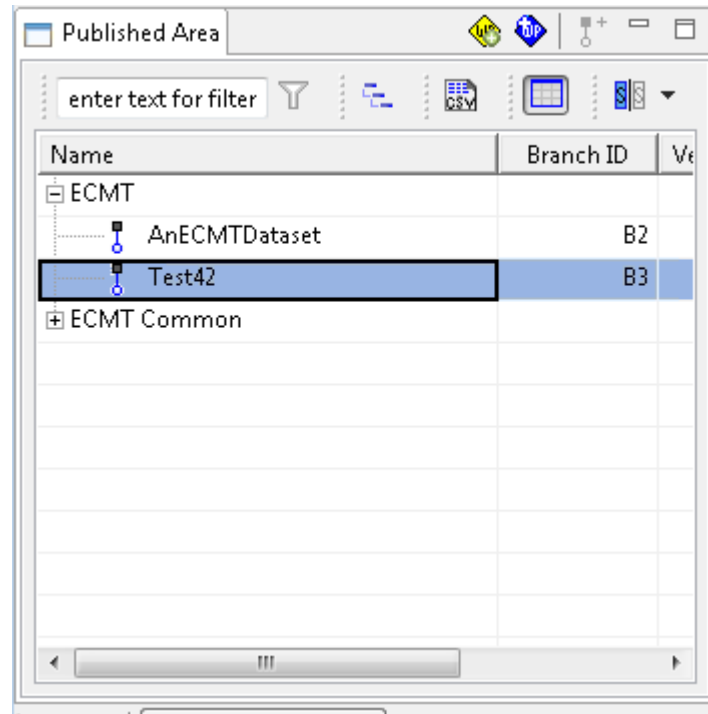
CASE ECMT: Configuration Management Basics

Create a Work Package

To create a new Work Package:

1. Navigate to the Published Pane and right click on the desired Dataset

1. Select the Create Work Package option.

   ○ Alternatively you can use the Create Work Package toolbar button when the desired Dataset is selected.
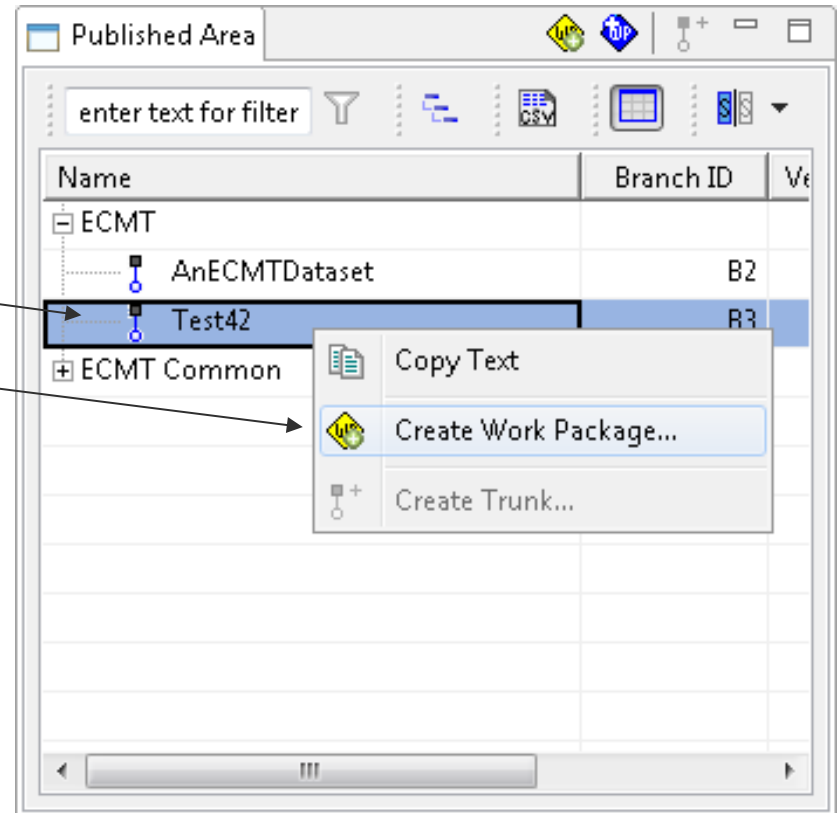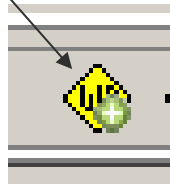
CASE ECMT: Configuration Management Basics

Create a Work Package

Next you will see the Package creation Wizard:

Work Package Name is the only required field.

1. Enter a Work Package name.

1. Click the next button.

Collins Aerospace

CASE ECMT: Configuration Management Basics

Create a Work Package

Now you will see the Component page:

Here you will have an option to change or add more Datasets to the Work Package contents by moving them into the list on the right.

- In most circumstances it is best to have just one Dataset.
- The arrow buttons let you move Datasets in any out of the list to include in the Work Package.
- Once the desired Datasets have been selected, click the Next button.
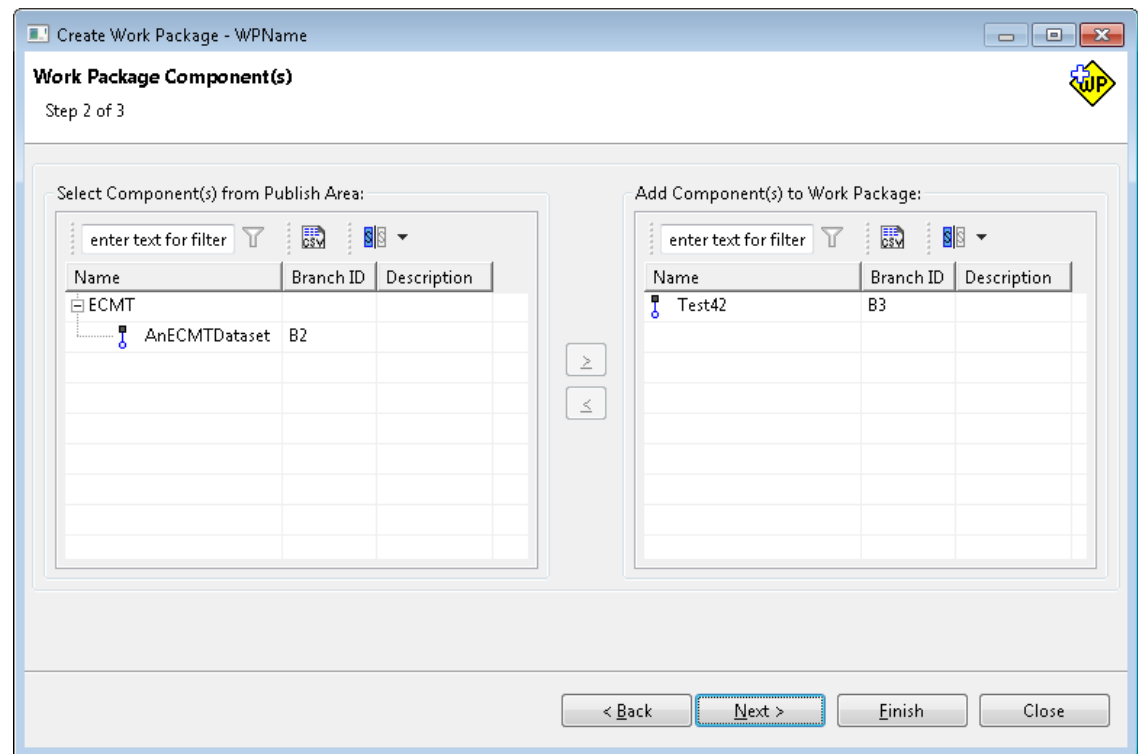
CASE ECMT: Configuration Management Basics
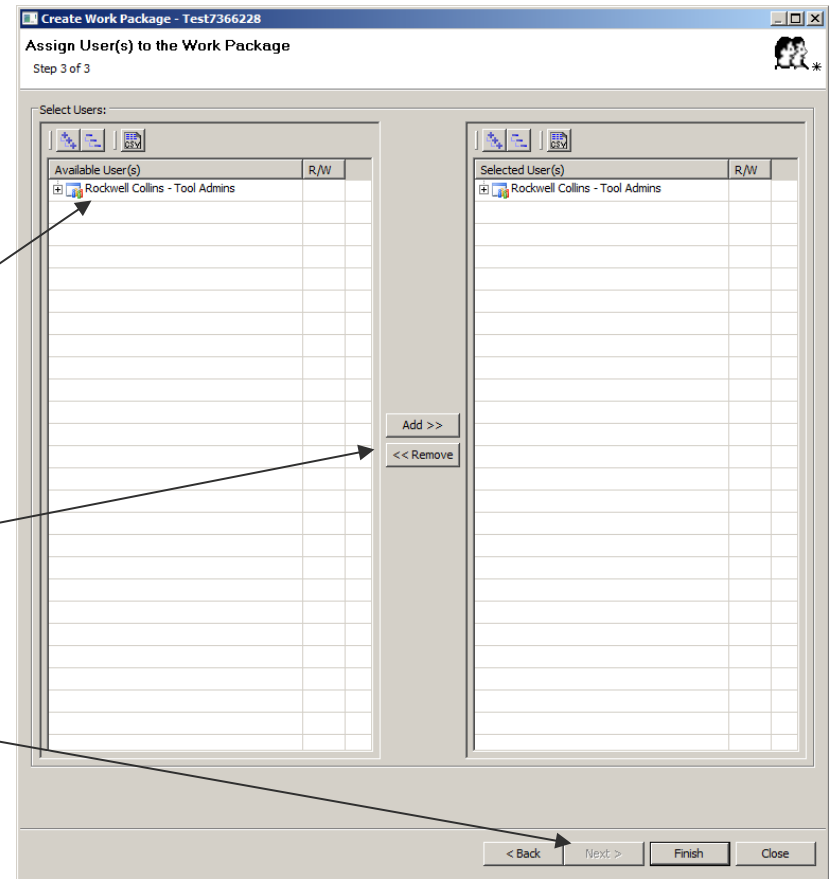
Create a Work Package

Finally you will see the User Permission page:

- Here you will select who should be able to see the Work Package.
- People are grouped according to their company, and you can expand a company to see all the individuals.
- You may select an individual, or an entire company, to have access to the Work Package.

1. Select the User or Group you wish to add or remove.

1. Add or Remove User/Group by clicking the corresponding button.
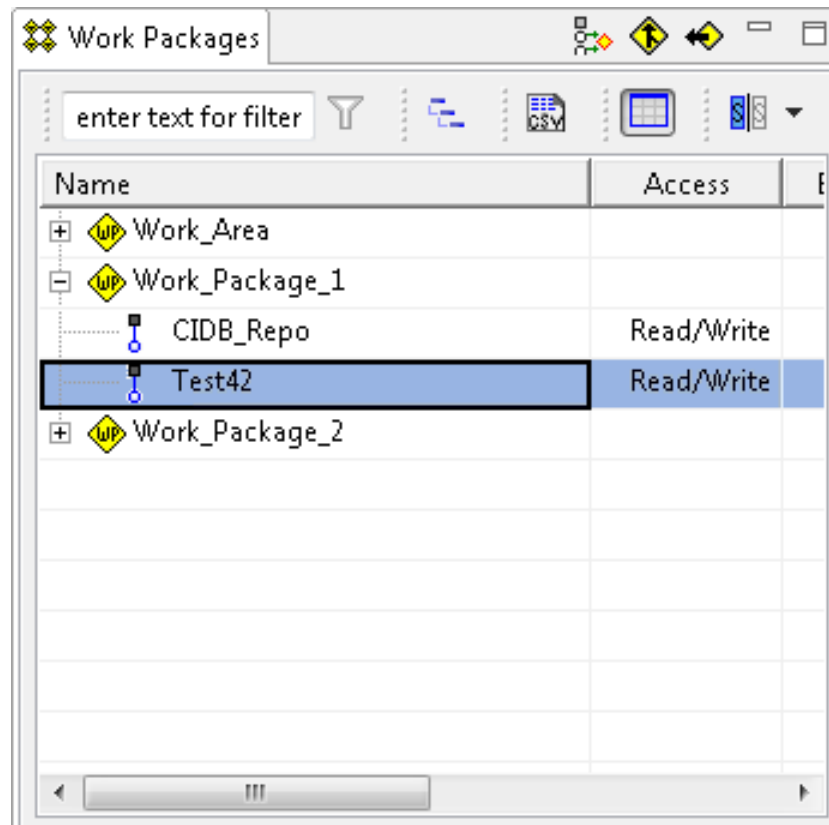
1. Once the desired people have been added to the Access table, Click the Finish button.

CASE ECMT: Configuration Management Basics

Create a Work Package

The newly created Work Package will be added to the Work Packages pane.
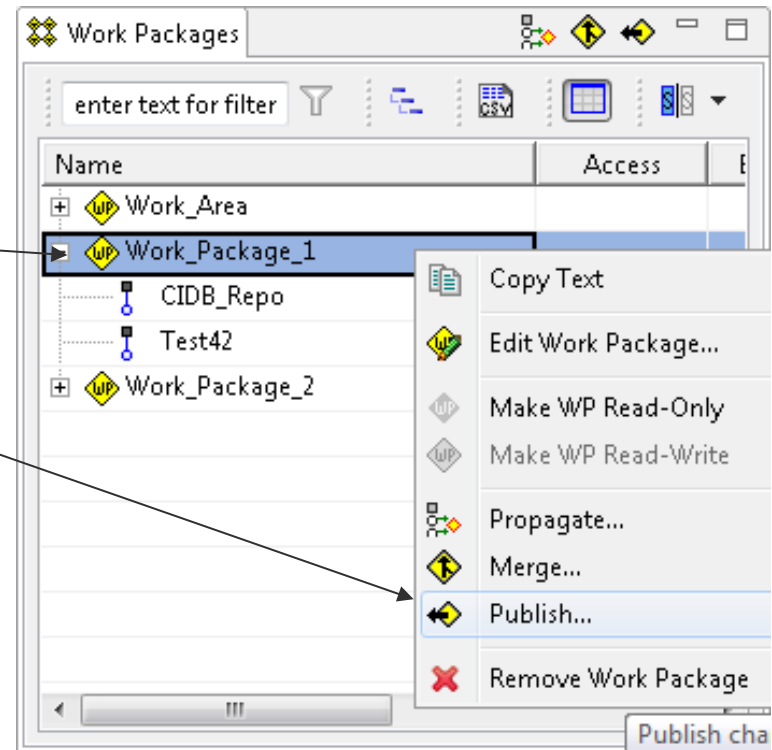
CASE ECMT: Configuration Management Basics

Publish

After you have completed modifications in a Work Package, you may Publish it to create a permanent revision of the dataset in the Published Area.

- Once a Work Package is published, it is removed and you will no longer be able to use it.
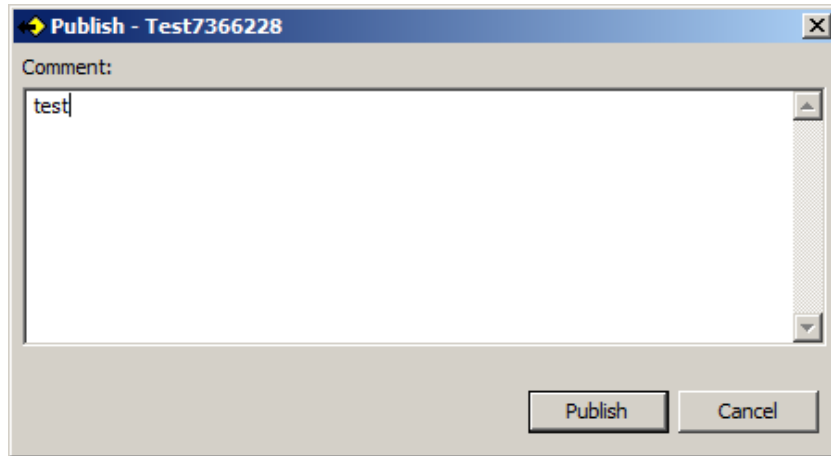
To publish a Work Package:

1. Right click on the desired Work Package.

1. Select the Publish option.

   - Alternatively you can use the Publish toolbar button when the desired Work Package is selected.

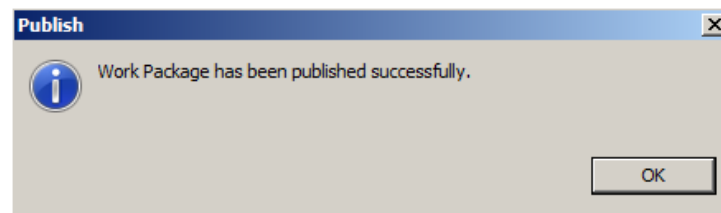# CASE ECMT: Configuration Management Basics

Publish

A Publish dialog will be shown:

- You may enter a comment to store along with the new dataset revision.

- Click the Publish button.

A success notification will be displayed and the Work Package will be removed:
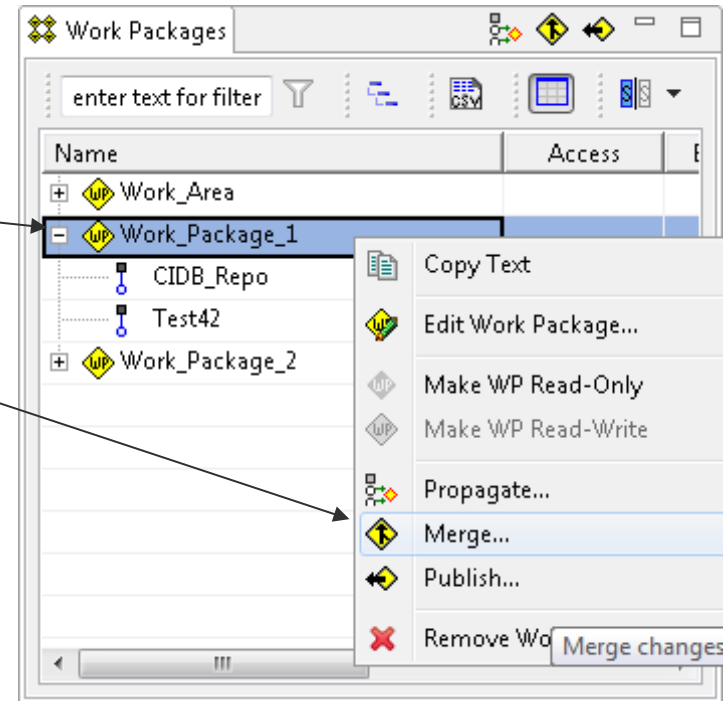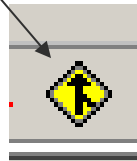
CASE ECMT: Configuration Management Basics

Merge

Occasionally you may find it helpful to create multiple Work Packages for the same Dataset and make changes in parallel.

After one of the Work Packages is complete and published, you may then Merge any of the remaining Work Packages to bring in the latest revisions of the Dataset.

To merge a Work Package:

1. Right click on the desired Work Package.

1. Select the Merge option.

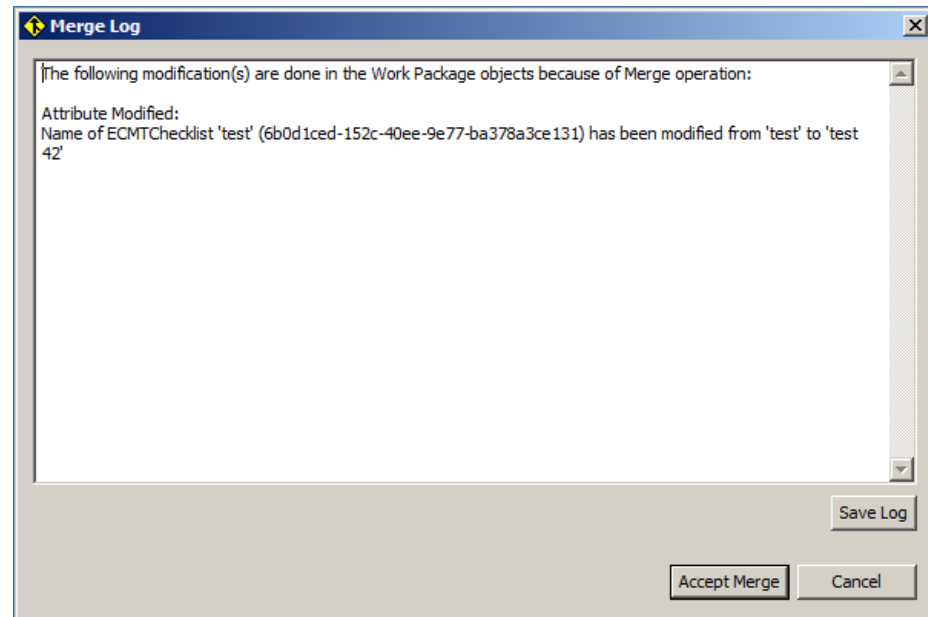   - Alternatively you can use the Merge toolbar button when the desired Work Package is selected.

CASE ECMT: Configuration Management Basics

Merge

At the end of the processing you will be shown a log which details the updates from the latest revisions of the Dataset:

- You may accept or reject the operation at this point.

- Select the Accept Merge button.

A success dialog will be displayed: