

Mekon eclipse™ A350 BookBuild

Mekon have developed a new version of Eclipse BookBuild application to support the requirements for producing S1000D based Component Maintenance Publications for the Airbus A350 aircraft.

Airbus have specified that the content should be created in S1000D Issue 4.1, but also require print output in a specific format. The BookBuild tool has been pre-configured to comply with the Airbus CDIM to streamline the production of the output for customers and reduces the complexity of the publication process.

Features

- Pre-configured to Airbus requirements.
- Reduced number of options required for output production.
- Publication content specified using a S1000D Publication Module.
- Complemented by Mekon Eclipse S1000D for FrameMaker authoring application with A350 Business Rule support.

Complete CMM Publication Output

The Airbus CDIM defines how many of the S1000D structures should be formatted to produce the final document. These rules have been incorporated into the A350 BookBuild configuration and are applied automatically. This reduces the number of options the author needs to consider when producing the output. Where the Airbus CDIM provides no specific formatting guidelines standard S1000D formatting is used or is obtained from separate configuration files in the case of locally defined attribute values.

The content of the publication is specified by use of a S1000D Publication Module (PM) that complies with the A350 model. Using the A350 PM building a CMP is a straightforward task. All relevant Tables of Contents and other 'management' pages are automatically generated and included in the publication. The end of data modules, page blocks etc are all indicated in the required way.

All cross referencing within the publication is accommodated and is converted into Hypertext links.

Only one output is provided and that is a high quality PDF file. This file is generated and saved automatically and is used for printing the paper copy on demand.



Authoring

To complement the A350 BookBuild output, the Mekon Eclipse S1000D for FrameMaker application has been extended to work with the Airbus A350 CDIM. The application can now reference a Business Rules Exchange file (BREX) supplied with the package. Using this A350 BREX file the application constrains the author's choice of elements in certain contexts. This prevents an author from inserting elements where they are not allowed by Airbus.

The publication module used for specifying the publication content can also be created with the Eclipse application.

Front Matter

The Front Matter for any given document can easily be customized to suit particular requirements. Typical Front Matter templates are:

- 👉 Front Cover
- 👉 List of Effective Data Modules
- 👉 Change Record
- 👉 Abbreviations
- 👉 Technical Standard Record
- 👉 Highlights

Content

The actual content of the publication consists of pageblocks that in turn consist of one or more data modules. The actual structure is determined by the A350 compliant Publication Module that sets out which data modules are to be included and their arrangement. For the Illustrated Parts List the application generates the numerical index and equipment designator index from the information present within the part information.

Low cost IETP using PDF

There are a number of tools available for producing full IETP's but these can be expensive and time consuming. Eclipse BookBuild will give you fast turn-around electronic manuals for your client using hypertext enabled PDF files generated from your BookBuild structure, at a fraction of the cost of using an IETP builder. This includes links for internal cross references, tables of contents and external references giving the user a simple but effective electronic manual in the familiar structure and layout to the printed version.

Further Information

For further details on the A350 BookBuild, the standard BookBuild application or the Eclipse S1000D for FrameMaker authoring tool, please contact Mekon.

