

Mekon eclipse™ BookBuild



Even in today's world of advanced electronic delivery, printed information is still vital in some environments

The S1000D specification focuses heavily on electronic delivery and clients often find it difficult to compile data modules (DM) in a logical way for traditional printed documents without a great deal of manual editing and formatting.

Users may often keep a copy of their DMs specifically for print output which goes against the prime objective of single source information.

Mekon has combined our own expertise in intelligent data handling with input from industry experts in multivolume publishing to develop Eclipse BookBuild. BookBuild provides the capability to produce, update and manage printed publications from a single source S1000D compliant data set.

Eclipse BookBuild utilizes the powerful formatting and compilation engine of the Eclipse S1000D product to transform valid S1000D Data Modules into a comprehensive multi-volume publication suitable for print deliveries which complies with ASD S1000D Specification.

Manage the Publication from One File

The heart of Eclipse BookBuild is a Publication Control File (PCF). The PCF is your record of the S1000D Data Modules and referenced files used within a publication and the logical order they will appear in the book or manual. This may well be different from the structure found in an electronic document (IETP) because you don't have the luxury of being one click away from a piece of content and hence need to repeat or display the content in full on a page rather than displaying a hypertext reference.

The PCF can be saved as an SGML file in a database after each publication to provide a full audit trail and historical record. Issuing an updated version of the publication is then as easy as opening the control file and clicking the update button, saving time and money in compiling new versions of existing printed documentation. The PCF can be considered to be the BookBuild equivalent of the S1000D Publication Module. The PCF contains considerably more information than the Publication Module.

Key Productivity Tools

Eclipse BookBuild, like the rest of the Eclipse Suite, is designed to automate as many processes as possible. In particular, Eclipse BookBuild automatically generates:

- List of Effective Pages
- Technical Standard Record and Highlights
- Multi-level Table of Contents (Volume/Section and Chapter)
- List of Tables and Figures
- List of Materials and Tools
- Change Bars
- Combines repeated information tables e.g. spares, required tools
- Resolve all internal cross references and references to other DMs
- Decimalised Chapter numbering
- Automatic handling of foldout pages
- list of IPD part numbers
- list of IPD Nato Stock Numbers
- list of IPD Reference Designators
- Ability to link between books
- Index and list of abbreviations if data is in Data Modules

Each Eclipse BookBuild publication comprises five main parts:

- **Front Matter**
- **Content**
- **Options**
- **Resources**
- **BookBuild Application Data**

Front Matter

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

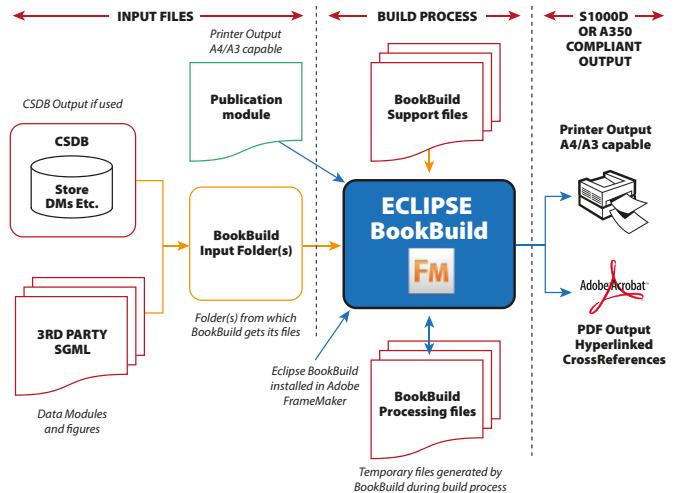
- Front Cover
- List of Effective Pages / List of Chapters
- Change Record
- Abbreviations
- Technical Standard Record
- Highlights
- User Generated preliminary information e.g. Preface

Content

The actual content of the publication can be controlled down to sub-chapter level. You can configure a publication into chapters only, or volumes or sections that in turn contain chapters. With the increasing use of small data modules it is often preferable to construct chapters from more than one data module. Eclipse BookBuild fully supports chapters with multiple data modules. In this case, common tables such as References, Tools, Materials, etc. can be automatically concatenated at the beginning of the chapter with the subsequent necessary changes in reference handling accommodated accurately.

Options

Eclipse BookBuild also includes the ability to "switch off" elements such as empty tables, procedures and effectivity statements. In chapters made up of multiple data modules you can choose to remove duplicated illustrations and relevant cross references are automatically resolved. Clients working on non-S1000D based contracts can rearrange or omit certain items in the page footers if required. Please contact Mekon to clarify your requirements.



BookBuild Application Data

Eclipse BookBuild automatically generates data about the publication and stores vital information about which issue of files were used to create the publication. This is essential for auditing and tracking purposes.

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.

Where hotspots have been included in CGM graphics, BookBuild can detect these and they are available as part of the hyperlink cross referencing capability.

Equipment Requirements

For further information on the equipment required to run Eclipse BookBuild please contact Mekon.