S1000D
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Agenda – Zero to S1000D

- XML
  - DTD\Schema\XSL\CSS
  - Other documentation markup languages
  - DITA\Docbook\S1000D
  - S1000D editors
  - My first little XML application
- S1000D
  - Component mapping – DITA and S1000D
  - The S1000D specification
  - S1000D data modules in FrameMaker
  - S1000D options
  - S1000D Common Source Data
  - Publish S1000D
XML

- What is XML
- How do different components of XML fit together
  - DTD
  - XSL\CSS

Documentation markup languages

DITA
DocBook
S1000D
My first little structured application

- Demo

S1000D editors\CSDBs

- Adobe® FrameMaker®
- PTC® Arbortext Editor™
- Inmedius S1000D™ Publishing Suite™
- UltraXML
- SDL Contenta
S1000D – What is it?

- An international standard for technical publications
- Been in use for over 25 years
- First developed by the European military aerospace industry, but now countries and industries around the world work with it
- Specifies the requirements for a project’s complete publication lifecycle

S1000D – CSDB

- Repository for all of the components of a publication. More often, the CSDB is used to manage the entire project, including:
  - Project set-up
  - Production workflow
  - Quality assurance processes
  - Lifecycle management and revision control
  - Content storage for data modules and graphics
  - Publication management for IETP or IETM and paper documents.
Data module types and structure

- The structure of a data module
- Two main sections: identAndStatusSection and the content.

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Data module types

- Crew – an operational checklist procedure and descriptive information
- Description – a flexible module you can fit in most places
- IPD – Illustrated Parts Data
- Procedural – steps
- Applicability – ACT, PCT, CCT
An S1000D project

Before the start:

1. Define the project, and obtain a Model Identification Code.
2. Select the relevant Standard Numbering System for the equipment type (for example, General surface vehicle, Navigation system, or even your project’s own unique SNS).
3. Create the Data Module Requirements List (DMRL). A DMRL is a list of all data modules needed for the project. Creating a DMRL involves significant amount of work but is a vital part of the project setup. DMRL aids resource planning and project costing. to define dmRef element links to data modules that do not yet exist.
4. If the project involves legacy conversion, create the Illustration Control Numbers while compiling the DMRL.
5. Select or create the Applicability modules: ACT, PCT, and CCT. Ensure that you have the right applicability conditions to render the content for different users, products, and conditions.
6. Create the project business rules and the BREX data module.

Applicability

Applicability lets you show only the right content in the right conditions to the right user. Either at the Data Module (DM) level or at an element level, you can specify the applicable conditions, products, or product models for displaying the content. Applicability can be global (module level) or inline (element level).

Three types of applicability modules in S1000D help you achieve the applicability filtering:

1. Applicability Cross Reference Table (ACT)
2. Condition Cross Reference Table (CCT)
3. Product Cross Reference Table (PCT)
Publishing S1000D

- Create a publication module
- Create a FrameMaker book from a PM
- Publish to IETP