

# An introduction to S1000D and





#### **What is S1000D?**

- S1000D is an international specification for the production and management of technical publications.
- Typically used in Aerospace and Defence (although other industries are adopting it)
- Based on XML (eXtensible Markeup Language)
- Non-proprietory (no single company owns the rights, specification or a specific tool to work with S1000D)



#### **Benefits of S1000D?**

- Maximum data reuse methodology utilising a modular approach to data
- Single source can be used to output multiple formats (PDF, IETP) from same data
- Any look and feel of output is possible from the same data (using stylesheets at publish-time)
- Data can be exchanged between partner companies and combined into the same dataset without concern of formatting or interchangeability issues
- Used by most Aerospace and Defence companies globally so compliance is assured
- Authors do not need to be concerned with formatting of data, only the data content
- Strict workflow and revision management
- Reduced cost over documentation lifecycle



#### **How does S1000D Work?**

- S1000D uses Data Modules (DMs) which are small chucks of data which can be reused across the dataset
- For example, a Procedure to 'make the aircraft safe' would be a DM. This DM would be referenced
  from other procedures, rather than writing the 'make safe' steps each time. Same principle for
  Remove and Install procedures, Clean procedures, Inspect procedures, and so on
- All these DMs (chunks of data) inter-reference each other, to avoid duplication of data throughout the dataset, and to ensure only one 'single point of truth'
- The order in which these DMs are structured to make the final publication is entirely up to you, and can be changed for each publication output (if required)



#### What is the Xignal S1000D Suite?

Xignal S1000D Suite is a modern, browser-based S1000D solution for creating and managing S1000D data through its lifecycle. It includes:

- S1000D CSDB A content management system which manages Data Modules (DMs) and their status and workflow, as well as graphic files used within the DMs
- S1000D Editing environment for Authors to write the content/Data Modules
- S1000D Review environment for Reviewers to review and comment on the content/Data Modules
- S1000D Publication Module (PM) builder for generating the structure of the published output i.e. Table of Content structure, and assigning Data Modules to that structure
- PDF Publisher to build a complete PDF manual from the PM using all the allocated DMs and graphics. Also creates IETP output for use in your chosen IETP tool.

# Take advantage of the power of S1000D without the complexities and costs of traditional S1000D solutions.

Xignal S1000D is designed with the user experience at the forefront. Modern wizards and tooltips make initial project set-up quick and easy.

You can assign users, roles, permissions and set up a workflow for your team in an instant. The fully customisable dashboard helps you to monitor user workload, project progress and the status of each dataset at a glance.

#### A Built for Security

Xignal is a secure environment for collaborating on S1000D documentation of a sensitive nature. Xignal is designed with robust security provisions to ensure your data is secure.

- Hosted in Microsoft Azure in-country data centre
- Data encryption including in transit and at rest
- Cyber essentials acredited

#### Built for Collaboration

<u>Secure collaboration</u> in real time with your colleagues, customers and distributed teams throughout the supply chain.

Create custom roles, granting specific permissions within your team and across the supply-chain. Xignal will ensure everyone is alerted when they have a task to complete or a review is needed, and that everyone has access to the resources they need.

External review and approval

from within your system

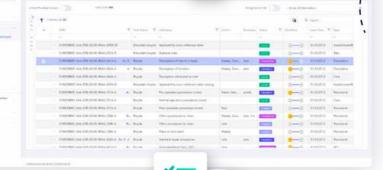


#### Xignal S1000D Authoring Tool

Start authoring in S1000D with tools that work the way you do.

Our S1000D editor is designed with a familiar MS Word look and feel. The authoring environment is browser-based and fully integrated into the CSDB. This means that with one click you can insert graphics and data module references. At the same time continuous schema validation means that you can confidently create S1000D data modules with little-to-no XML knowledge.

Whether you are looking for smarter ways of collaborating with suppliers and partners, or coming to \$1000D for the first time, Xignal is a secure and easy to use solution for authoring, sharing and publishing technical documentation.



## Xignal integrated S1000D CSDB

The flexible, modern S1000D CSDB has all the features you need to manage and deliver your technical documentation. You can easily import project business rules (BREX) and common information repositories (CIRs) and the Publication Module (PM) builder ensures that publishing is as easy and drag and drop.



Generate full PDF manuals with drag and drop builder and superfast one-click publishing

Custom roles & permissions for external collaborators





#### Xignal S1000D Publishing

Publish data instanty with the drag and drop builder and one click publishing.

Print your publications directly from the S1000D CSDB or editor for PDF or IETM output.



Contact us today for a Demo info@xignal-s1000d.com www.xignal-s1000d.com



### **Advantages of Xignal S1000D**

#### There are various S1000D solutions out there, so why choose Xignal S1000D?

- It's a unique and intuitive toolset designed to *simplify* S1000D data creation and management
- The ease of use reduces the need for extensive author training on S1000D and XML
- You get instant access, with no internal IT support required
- It has a much lower cost of entry than traditional S1000D tools
- It is designed as a collaboration environment, meaning external stakeholders can be part of the workflow and review/sign off process within the system which eliminates external data exchange between stakeholders (suppliers/customer)

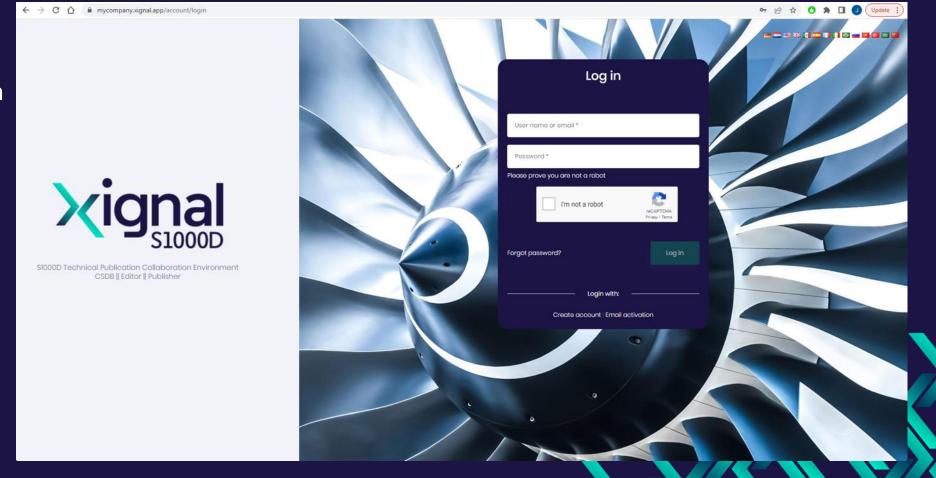


#### **Need to convert existing data into S1000D data?**

- Manually converting MS Word documents to \$1000D is *very* time consuming
- We offer a clever Xignal S1000D for Word conversion tool:
  - Integrates with Word (Word Add-in)
  - Just map existing Styles to the new \$1000D Styles
  - Batch convert styles of multiple documents automatically
  - Automatically generate the Data Module and extract graphics with their associated
     S1000D numbering
  - 'Per page' cost model (no connection to online services required)

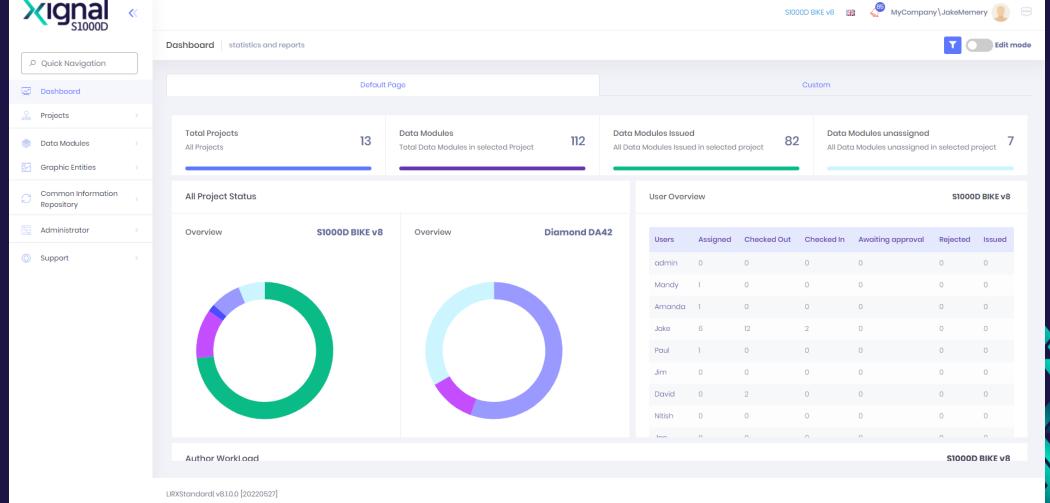


Logging in



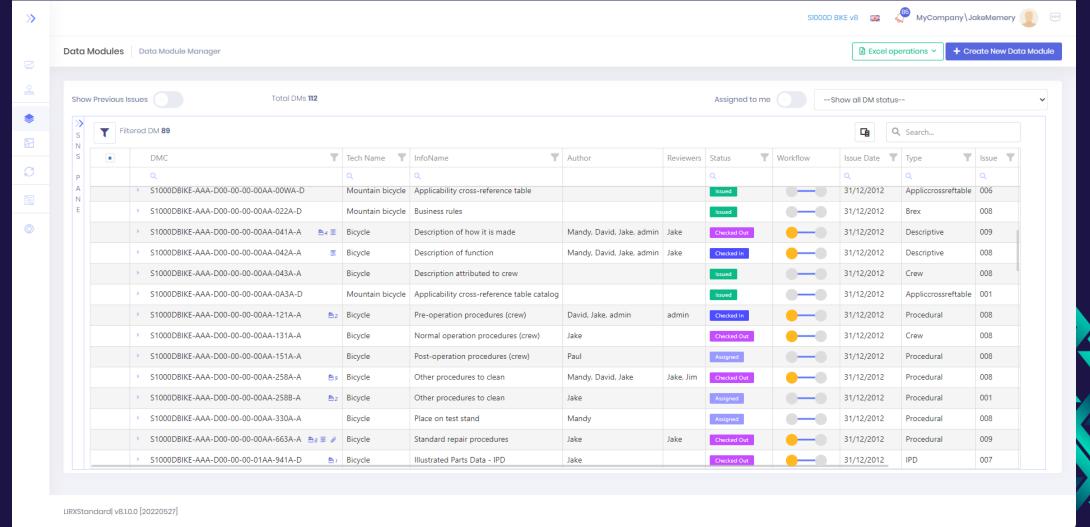




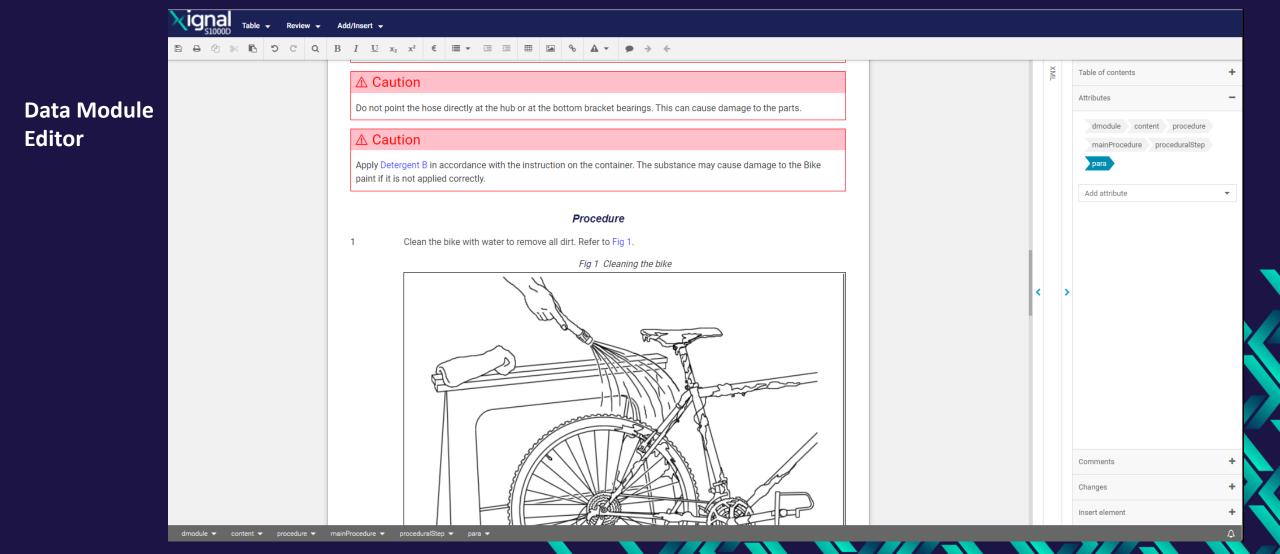






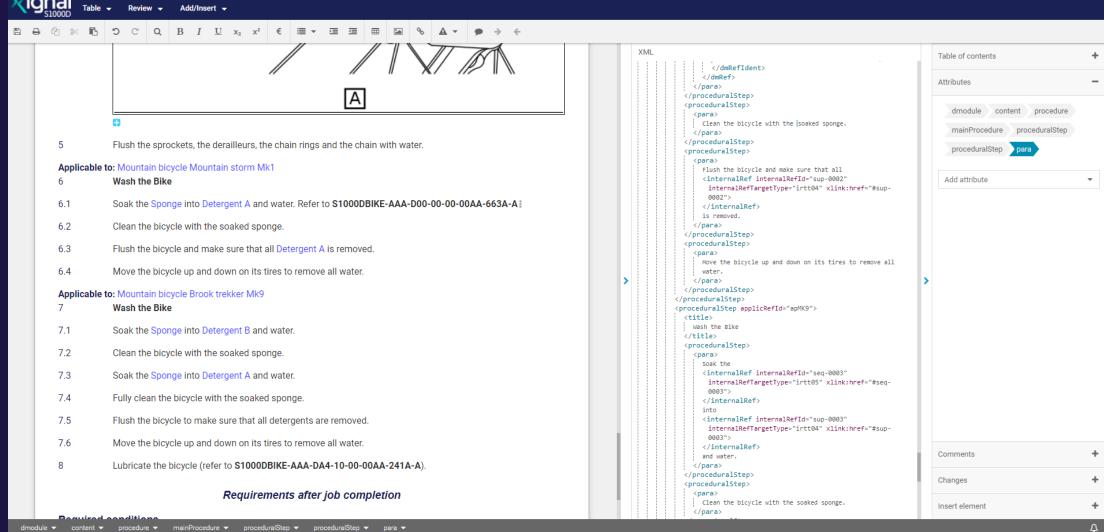








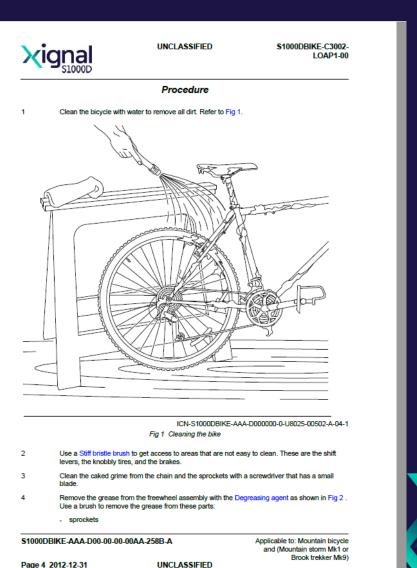






## **Example Outputs**

Example PDF output







### **Example Outputs**



...Same source dataset used

