Boeing Spectrum — S1000D Publishing Software

Looking to turn your technical writing into a page-turner?
The right-write solution is here.

Simplify the technical documentation lifecycle

New and in-platform support programs are incredibly complex. Suppliers create publications detailing aircraft parts and components, OEMs produce comprehensive manuals for maintenance and operations guidance, and these technical publications are vital for maintaining aircraft safety and need continuous updates to reflect changes, improvements, and regulations.

With multiple stakeholders, groups, and external organizations, it's challenging to understand the comprehensive scope of each program and what it takes to have a proper document workflow.

Boeing Spectrum simplifies the document workflow, building out a holistic view with a set of modules tailored to the needs of the end user. The result is a detailed, overarching view of the technical documentation lifecycle operations that simplifies decision-making and removes barriers to performance.

Modular software to resolve complexity

Boeing Spectrum is a fully integrated, modular software suite designed to streamline the entire technical documentation lifecycle for aerospace and defense industries.

Built around the internationally recognized S1000D specification, Spectrum enables organizations to efficiently manage, author, publish, and distribute complex technical data with accuracy, compliance, and consistency.

Spectrum key benefits

With a singular platform to manage document workflows, you can realize not only simplify complexity, but also achieve measurable benefits, including:

- **Reduced Costs**: Spectrum's pricing and support model is less expensive than its competition, with additional savings possible through the elimination of third-party authoring licenses (e.g., Arbortext), with S1000DauthorPro XE.

- **Advanced Capabilities to Save Time:** Boeing Spectrum offers advanced capabilities including integrated authoring (S1000DauthorPro XE), comprehensive data validation, automated publishing (S1000Dpublisher), and a modern interactive electronic technical publication viewer (S1000Dprism). These features surpass more fragmented toolsets and reliance on third-party authoring software.

- **Enhanced User Experience:** With a modern, intuitive web-based interface, Spectrum reduces user learning curve to improve adoption and usability. The suite supports multi-user collaboration with real-time review and commenting (S1000Dreview), streamlining workflows.

- **Single Platform:** Spectrum manages S1000D project workflows, authoring content, quality control, viewing, and publishing, all in one platform.

- **Ability to Scale for Large Datasets:** Spectrum's scalable architecture supports large datasets and multiple concurrent projects, enabling future growth without prohibitive costs.

- **Compliance & Future-Proofing:** Spectrum supports S1000D versions 1.6 through 5.0, including Business Rules Exchange (BREX) validation, ensuring compliance with evolving industry standards.

What is S1000D?

S1000D is an international XML specification for the procurement and production of technical publications, widely adopted in aerospace and defense.

The specification is widely used for defense systems, civil aviation products, construction industry products and ship industry products, and supports:

- **Modular Data:** Information is created in reusable "Data Modules" with standardized identification and status.

- **Data Reuse:** Enables efficient updates and consistent information across multiple publications and platforms.

Boeing Spectrum streamlines maintenance of these documents, keeping technical data accurate and current throughout the lifecycle

Quick Facts

- Built for Commercial Supply Chain OEMs, Tier 1-3 Suppliers and Military/Government,
- Deployed worldwide
- Offered as per-user licenses with optional full-suite bundles
- Deployed on-premise, customer hosted
- Perpetual license model with annual maintenance

Why adopt Boeing Spectrum S1000D?

In a comprehensive platform, Spectrum helps you stay compliant, centralize your data, and reduce redundant work.

- **Compliance:** Meet customer and regulatory requirements with S1000D-compliant software.

- **Data Consolidation**: Centralize data from multiple systems into a single Common Source Database (CSDB).

- **Data Synchronization:** Reduce data management effort by updating data modules once to reflect across all publications.

Comprehensive modular software suite

Boeing Spectrum offers flexible, modular tools for every phase of the technical documentation lifecycle:

Module	Description
S1000Dmanager	Streamlines the implementation of the S1000D CSDB and simplifies project setup, workflow, reporting, and content management.
S1000DauthorPro XE	A powerful browser-based editor, designed to guarantee full S1000D schema compliance.
S1000DauthorPro	Desktop S1000D authoring experience via a plug-in for Arbortext Editor.
S1000Dpublisher	Server-based PDF publishing tool optimized for loose-leaf and structured output formats.
S1000Dprism	Interactive Electronic Technical Publication (IETP) viewer, online/offline and iPad® app.
S1000Dreview	Streamlines the quality assurance process and provides efficiency in collecting comments and facilitating approvals in a closed-loop review process.
Boeing Advisor	Advanced QA tool for SGML/XML validation using S1000D Business Rules Exchange (BREX).

Key highlights

S1000Dmanager

- Simplifies S1000D CSDB implementation and project management
- Supports S1000D versions 1.6 through 5.0
- Optimized, responsive UI for desktops and tablets

S1000DauthorPro XE

- Browser-based XML editor with intuitive WYSIWYG interface
- Guarantees full S1000D schema compliance
- Built to intuitively add elements using drag-and-drop and breadcrumb navigation, easily perform advanced table editing, and validate schema

S1000DauthorPro

- Provides integrated workflow with S1000Dmanager through a desktop editor
- Automates data module validation and cross-referencing

S1000Dpublisher

- Generates PDFs directly from the CSDB
- Optimized for loose-leaf publishing with customizable style sheets

S1000Dprism

- Organizes complex data into streamlined, user-friendly Interactive Electronic Technical Publications (IETPs)
- Available on desktop (connected and disconnected) and iPad
- Simplifies navigation through extensive technical content

S1000Dreview

- Streamlines review and approval with centralized comment management
- Supports closed-loop quality assurance processes

Boeing Advisor

- Enables non-technical users to check SGML/ XML business rules
- Rapidly validates documents against organizational and S1000D standards
- Automates quality assurance to increase productivity and compliance

Trust a proven approach

Spectrum S1000D has a proven track record for success. Bringing in years of Boeing best practices in both the commercial and military aviation fields, Spectrum is your end-to-end solution for managing complex technical publications with:

- Full S1000D compliance

- Integrated portfolio for data management, authoring, QA, publishing, and viewing

- Scalable solutions for small teams to large enterprises

- Proven to reduce authoring time and costs through data reuse

Why Partner with Boeing?

With nearly five decades of domain expertise, Boeing combines industry-leading software tools with expert consulting to simplify authoring and support of technical publications throughout the engineering and operational lifecycle.

Our team can evaluate your current processes, recommend portfolio updates, and assist in transitioning to or optimizing your Boeing Spectrum solution for maximum productivity.

Contact us

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Learn more about Boeing Spectrum —
S1000D Publishing Software at
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and beyond**

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