



Digital Standards Alliance

Our vision is to establish best practices for the authoring and use of digital standards in the entire product development lifecycle (R&D, design, simulation/testing, verification/validation, certification, procurement, manufacturing, operation, and MRO).

What are the Benefits of Joining the Digital Standards Alliance?

Digital standards will change how the industry does business. By participating in this Alliance and driving how digital standards are authored and used, members will reap the following benefits:

- **Increased Quality.** Reduce transcription errors and resulting costly redesigns/rework of products.
- **Greater Reusability and Efficiency.** Digital standards can be reused throughout the product lifecycle in designs, models, and testing through to compliance and procurement applications. Reduce the number of cross-references to account for in design documentation.
- **Fewer Custom Parts.** Quickly find part numbers and materials for your designs that meet your specific requirements, saving money in unnecessary development of custom parts.
- **Higher Accuracy.** Provided by an authoritative source to enable full digital traceability throughout the product lifecycle.
- **Better Interoperability.** Can be integrated into any system with available API solutions.
- **Wider Industry Influence.** Members will be able to drive the conversation and help define the ultimate format for digital standards and how they are best utilized in the product lifecycle process.

These benefits can be quantified using a model provided by SAE International.

FAQs

How is the Digital Standards Alliance (DSA) different from other consortiums/initiatives around digital engineering?

The Digital Standards Alliance is focused on the authoring and use of digital standards in a larger digital ecosystem. This is one specific area in the overall digital ecosystem.

Is the Digital Standards Alliance run by SAE International?

No, the Digital Standards Alliance will be run by a separate company, SAE Industry Technologies Consortia (ITC®). SAE International will be a member of the alliance.

What types of challenges with the Digital Standards Alliance tackle?

Some of the areas identified for focus include:

- Establishing ontologies for different types of standards, including parts, materials, processes, recommended practices, and more.
- Supporting interoperability across different tools used in the digital engineering ecosystem.
- Changing how standards are authored so that they are written upfront as a digital standard rather than as a document.
- Investigating the best ways to digitize legacy standards.
- Establishing licensing and copyright frameworks to support how digital standards are used throughout the value chain.
- Aligning the efforts by the various standards development organizations towards a common goal.



DigitalStandardsAlliance@fullsight.org

To learn more about Digital Standards Alliance