

DMSC Roadmap 2024

w/ Round Table Feedback



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What is the DMSC?

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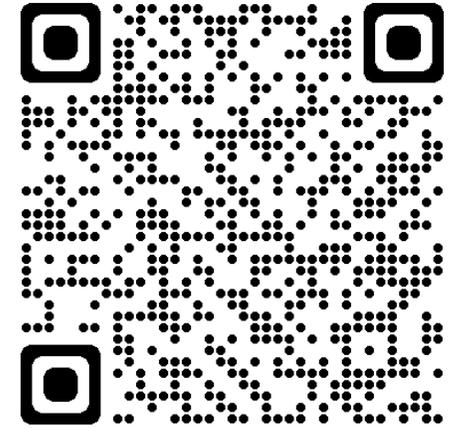
Digital Metrology Standards Consortium (DMSC)

Mission: *We provide a standardized, interoperable, data framework for manufacturing.*

Vision: *Quality Standards that impact the digital thread through digital metrology and interoperability.*

Tagline: *Impacting the Digital Thread with Quality*

Goal: *Publish and maintain industry standards that enable and enhance digital metrology workflows in a model-based extended enterprise.*



DMSC Primary Goal

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Digital Metrology Standards Consortium (DMSC)

Goal: Publish and maintain industry standards that enable and enhance digital metrology workflows in a model-based extended enterprise.

DMSC Goals from 2021 Workshop

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- Publish and maintain industry standards that enable and enhance digital metrology workflows in a model-based extended enterprise
- Make Quality Engineering fast, responsive, connected, and innovative
- Make Digital Quality (w/QIF) a value added to the Enterprise
- Create community to solve digital metrology problems
- Be the consortium that enables our vendors and end-users to achieve their success.

DMSC RoadMap

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A strategic plan that outlines activities that the DMSC can undertake over specified time frames (e.g., one, three, five, ten years) to achieve stated goals and outcomes.



DMSC RoadMap Goals

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- **Grow the Consortium** – Goals toward strengthening and positioning the DMSC as an influential organization for impactful manufacturing within the digital enterprise.
- **Share the Message** – Goals toward communicating the DMIS/ QIF/ MBC message for Quality specifically and the model-based enterprise “Quality is a requirement; and DMSC standards makes it easier to enable a digital, model-based, product realization enterprise”
- **Ready the Technology** – Goals toward making it easier to adopt the QIF, MBC, and/or DMIS technologies both as a supplier or as a user.
- **Continue the Excellence** – Goals to continue the development and extend the technical impact of DMSC standards.

DMSC – Grow the Consortium

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- **Increase the Membership**
- **Maximize Value from the Finances**
- **Support the Working Groups**
- **Renew the Board of Directors**
- **Establish Strategic Partnerships**
- **Benchmark other like Organizations**
- **Expand our Online Presence**

DMSC – Share the Message

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- **Determine a Unified Message**
- **Prepare the Message**
- **Deliver the Message**
 - **Summits**
 - **Shows**
 - **Webinars**
- **Establish a Bailey H Squire Metrology Memorial Scholarship**

DMSC – Ready the Technology

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- **Protect the Integrity of the Standards**
- **Develop the DMSC/QIF Community**
- **Technical Support of the Standards**
- **Response Strategy for QIF Downloads**
- **Help Documents**
- **University Outreach**
- **Manage Points of Contacts**

DMSC – Continue the Excellence

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- **Expand QIF Scope (next QIF)**
- **Establish QIF Training and Certification**
- **Identify free QIF MBD Viewer**
- **Establish QIF Format as a NARA Preferred Format**
- **Establish QIF Development Community (e.g., QIF-IF)**
- **Standardize Model-Based Characteristics Specification**
- **Determine Path Forward for DMIS**
- **Charter Working Groups**
- **Propose Industrial Metrology Agenda**
- **Recognize the Contributors**

Building Community – Round Table

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Grow the Consortium

Share the Message

Ready the Technology

Continue the Excellence

- Feedback
- Suggestions
- Comments