What is the DMSC?

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.*
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

- 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.
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

• **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

• 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

- 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

- 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
• 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
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