

## November 4, 2015 - Action Engineering Joins the DMSC

MODEL BASED ENGINEERING (MBE) EXPERT BECOMES LATEST MEMBER

**Burleson, Texas, USA November 4, 2015** — The Dimensional Metrology Standards Consortium (DMSC) announced today that Action Engineering has joined the DMSC. As a member, Action Engineering will contribute to the efforts of the DMSC to promote and expand the [Quality Information Framework \(QIF\)](#) for Model-Based Engineering (MBE) and Model-Based Definition (MBD) processes.

QIF is an ANSI standard that provides a complete and accurate 3D product definition with semantic geometric and dimensional tolerances, quality planning, a template for measurement rules, definitions for measurement resources, measurement results, and statistical functionality. All of this to satisfy the digital interoperability needs for a wide variety of use cases including feature-based dimensional metrology, quality measurement planning, first article inspection, and discrete quality measurement.

*“The QIF standard is a method to verify as-built end items against design intent. Instantiating the QIF standard in software tools will enable organizations to become “best-in-class” because now, there is potential to create a closed-loop design-to-manufacture-to-qualification digital thread for their product designs.”* says Jennifer Herron, CEO of Action Engineering.

*“The use of the QIF standard enables transfer of metrology data in a machine-to-machine manner thereby eliminating human error, lowering costs and increasing quality and efficiency”,* said QIF MBD Chair Lyle Fischer.

Action Engineering specializes in guiding organizations to effectively and efficiently implement Model-Based Engineering (MBE) and Model-Based Definition (MBD). We provide MBE/MBD process-based strategies, using a wide variety of CAD software tools. Action Engineering concentrates on educating organization leaders and subject matter experts to document and tailor their business practices to be compatible with CAD, PDM, and PLM techniques. Action Engineering advises companies in: 3D standards and recommended practice, designer modeling efficiency, CAD configuration management, MBE/MBD training, CAD interoperability, and digital thread collaboration using Technical Data Packages (TDP). For more information: [www.action-engineering.com](http://www.action-engineering.com).

The Dimensional Metrology Standards Consortium ([DMSC, Inc.](#)), is an ANSI Accredited Standards Developing Organization, as well as an A-Liaison to ISO TC 184/SC1. QIF has been developed and demonstrated with support from: Applied Automation Technologies, Boeing, Capvidia, DISCUS, Hexagon Metrology, Honeywell FM&T, InfinityQS, Innovalia Metrology, Inspec Software Corporation, IPI Solutions, John Deere, Kotem, Lockheed Martin, Metrology Integrators, Metrosage, Mitutoyo America, National Institute of Standards and Technology (NIST), Nikon Metrology, Origin International, PAS Technology, Pratt & Whitney, PTC, Quality Vision

International, Renishaw, Rolls-Royce, Siemens PLM Software, Systems Insights, and Zeiss. These are many of the same experts who continue to maintain the Dimensional Measuring Interface Standard (DMIS).