

NIST Assessment of the US Measurement System

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Abstract

NIST has carried an assessment of the measurement system of the United States (USMS) focused on industry measurement problems that pose technical barriers to technological innovation. Technological innovation is considered to be the introduction into the marketplace of new technology, whether product technology or process technology. The assessment is based on measurement needs identified by industry in technology roadmaps, NIST-USMS-affiliated workshops, technical reports and interviews. The results of the report consist of: findings that deal with measurement barriers to technological innovation; the strengths of and challenges to the USMS related to technological innovation; and indications of what NIST plans to do to facilitate pursuit of solution to the specific measurement problems and the measurement barriers they together represent barriers.