

NIST

Standards Coordination Office



Overview of NIST and the Standards Coordination Office

September 2014

NIST

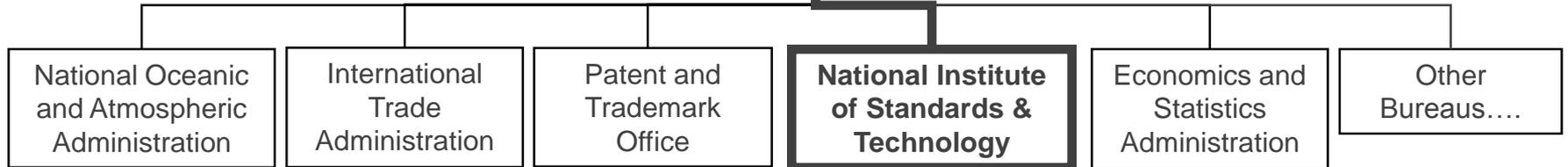
- Established by Congress in 1901 as the National Bureau of Standards
- Became the National Institute of Standards and Technology (NIST) in 1988
- NIST is a non-regulatory federal agency within the U.S. Department of Commerce



NIST is part of the Department of Commerce



Penny Pritzker
Secretary of Commerce

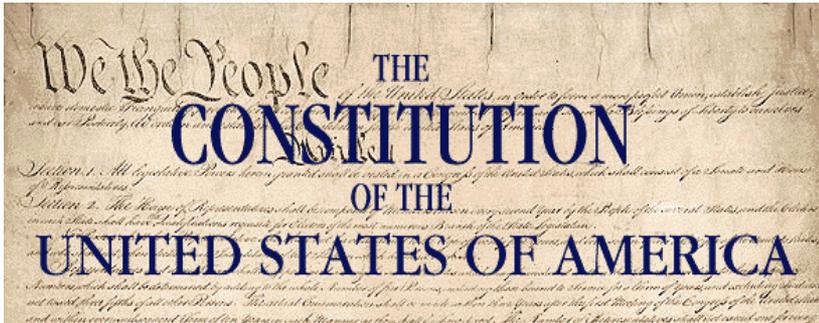


(National Weather Service)



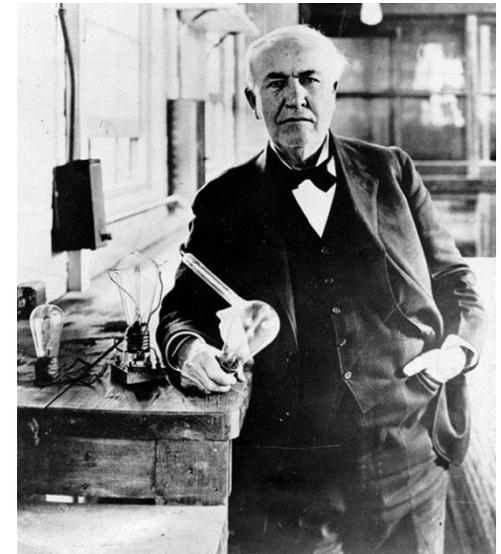
Dr. Willie May
Acting NIST Director,
Acting Under Secretary of Commerce for Standards and Technology

Key Role for NIST – Standards for America



Article I, Section 8: The Congress shall have the power to...*fix the standard of weights and measures*

- Eight different “authoritative” values for the gallon
- Electrical industry needed standards
- American measuring instruments sent abroad for calibration
- Consumer products and construction materials uneven in quality and unreliable



National Archives

NIST's Mission Today

To promote U.S. innovation and industrial competitiveness by advancing **measurement science, standards, and technology** in ways that enhance economic security and improve our quality of life.

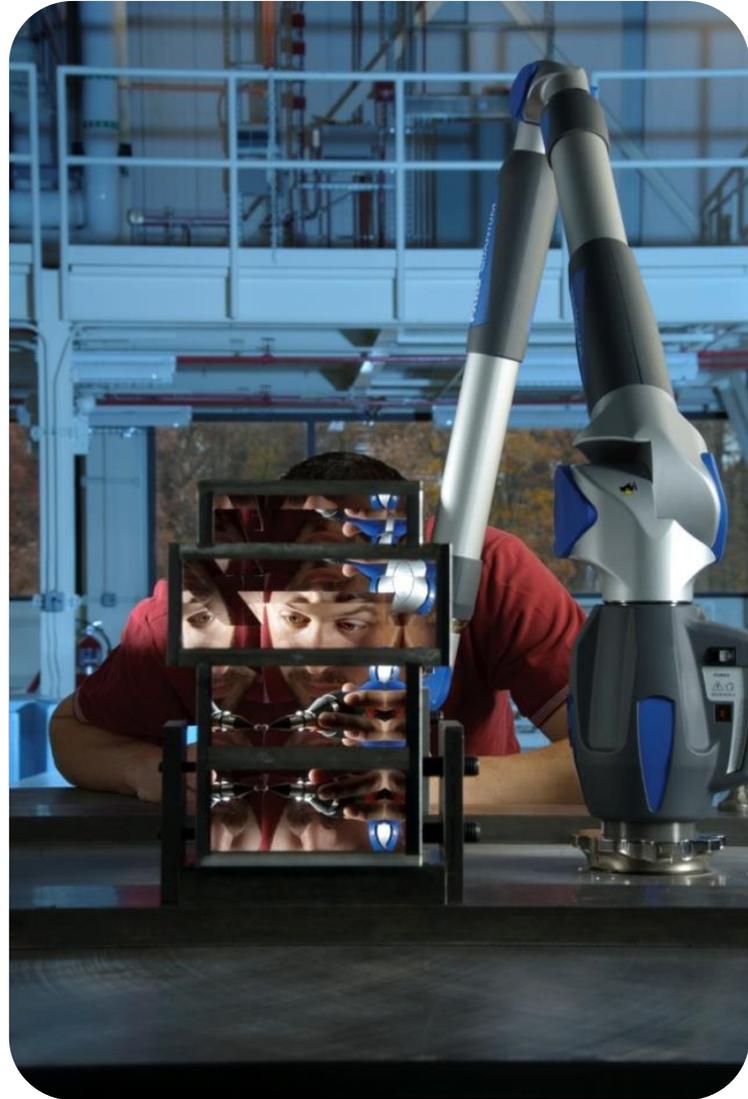
NIST carries out its mission through several programs including the NIST Laboratories.

The NIST Laboratories conduct world-class research, often in close collaboration with industry, which advances the nation's technology infrastructure and helps U.S. companies continually improve products and services.



NIST: Basic Statistics and Facts

- Two main locations: Gaithersburg, Maryland (headquarters) and Boulder, Colorado
- ~ 3,000 employees
- ~ 2,700 associates
- ~ 1,300 manufacturing specialists/staff
- NIST's FY 2014 resources totaled \$850 million, with an estimated additional annual income of \$47.3 million in service fees, and \$107 million from other agencies.



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NIST Priority Areas



TebNad
Advanced Manufacturing



designersart
IT and Cybersecurity



S.Bonk
Healthcare



STILLFLX
Forensic Science



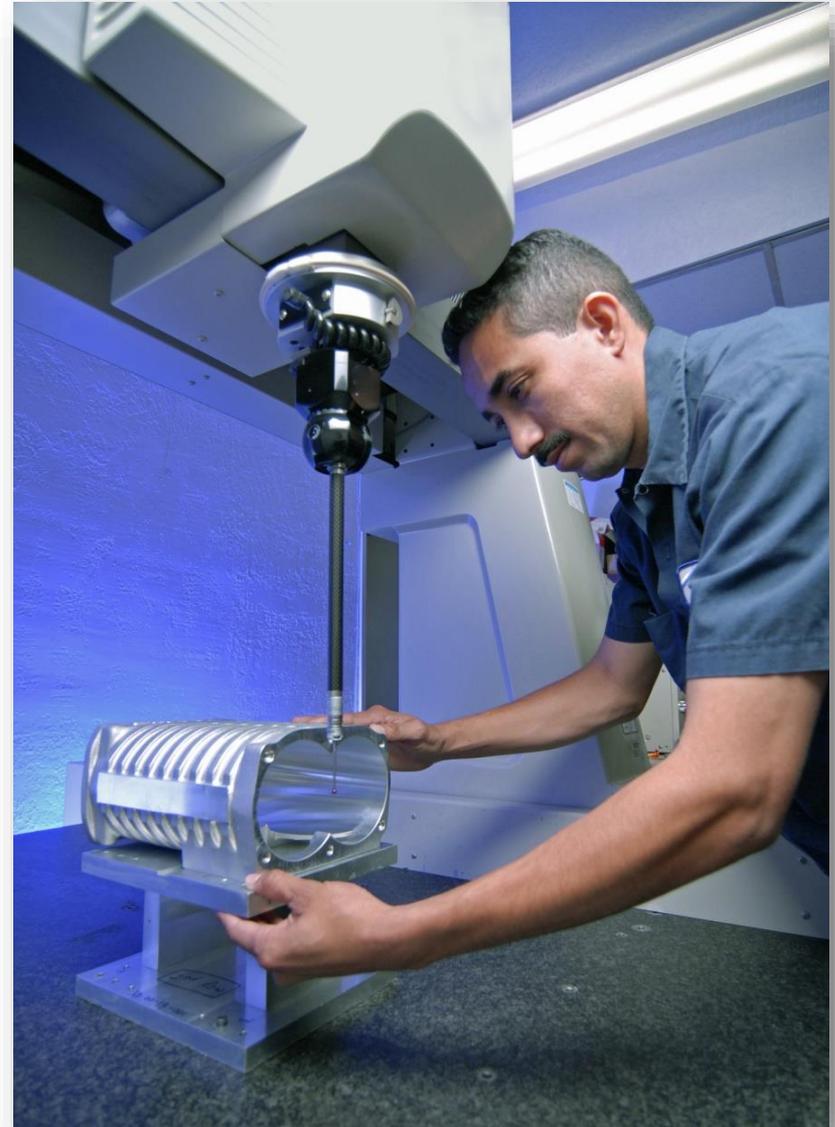
NIST
Disaster Resilience



EnsUPER
Cyberphysical Systems



Jovan Nikolic
Advanced Communications



NIST Partnerships

Industry



Agilent Technologies



Universities



UNIVERSITY OF MARYLAND

University of Colorado at Boulder



Penn
UNIVERSITY OF PENNSYLVANIA



THE UNIVERSITY of WISCONSIN MADISON

Nonprofits



INTERNATIONAL
Standards Worldwide



International Technology Roadmap for Semiconductors



Government



Homeland Security

Standards Coordination Office

Standards and conformity assessment expertise and services in support of government and industry

Provides policy and technical guidance on standardization and conformity assessment for Federal agencies

Coordinates government standards and conformity assessment activities including coordination with the private sector

Equips US industry with standards-related information necessary to effectively compete in the global marketplace

Standards Coordination Office Services

- WTO Technical Barriers to Trade Inquiry Point
- Standards Information Center
- Standards in Trade (SIT) workshops
- Mutual Recognition Agreement (MRAs) designation
- Standards and conformity assessment training and program development for federal agencies
- Standards education curriculum development grants for universities
- Laboratory accreditation
- NIST quality system oversight

Standards in Trade (SIT) Workshop Program

- NIST's Standards in Trade (SIT) workshop program provides opportunities to share technical information among key stakeholders on important topics related to standards, conformity assessment and trade.
- SIT has conducted 50+ workshops in the U.S. and abroad (*this is the 4th with India*) on a wide variety of topics, ranging from roadway infrastructure and safety to information technology, building construction codes to renewable energy and lighting.
- SIT workshops provide information that fosters opportunities for global trade
- Regulations and markets - clarification of regulatory information and market access issues that could impact or impede international trade
- International cooperation: timely information on U.S., regional and global practices in standards, metrology, and conformity assessment
- Collaboration - opportunities for cooperative dialogue among key stakeholders in government and industry

Thank You

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