

NIST

Standards Coordination Office



Overview of NIST and the Standards Coordination Office

June 2015

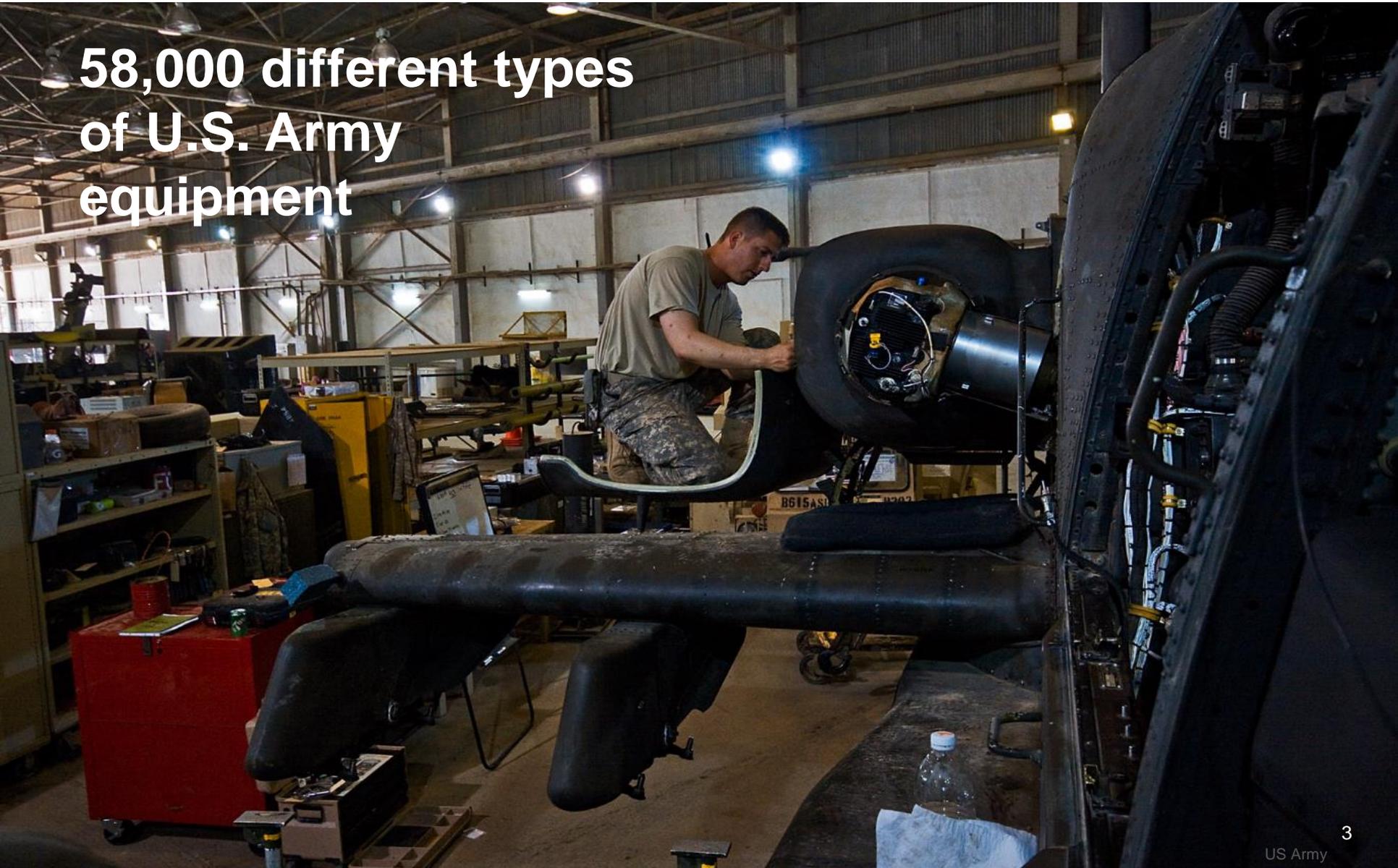
Did you know...

80% of global
merchandise trade



NIST: Did you know...

58,000 different types
of U.S. Army
equipment



NIST: Did you know...

\$300 BILLION spent
on measurements



NIST: Did you know...

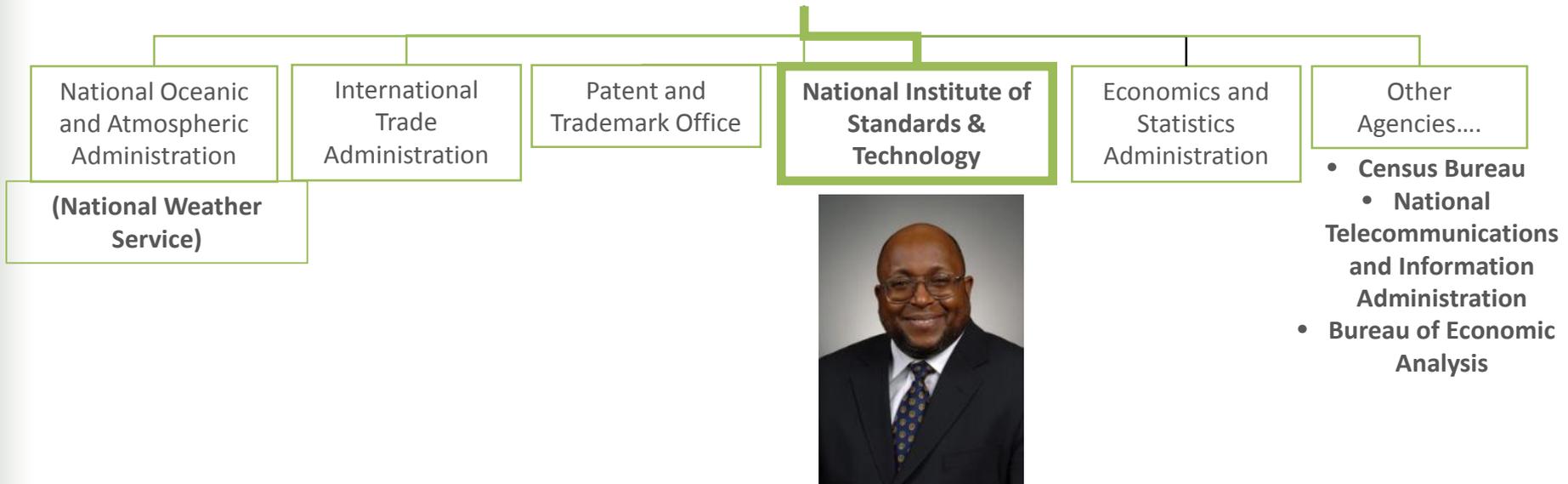


NIST

- 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



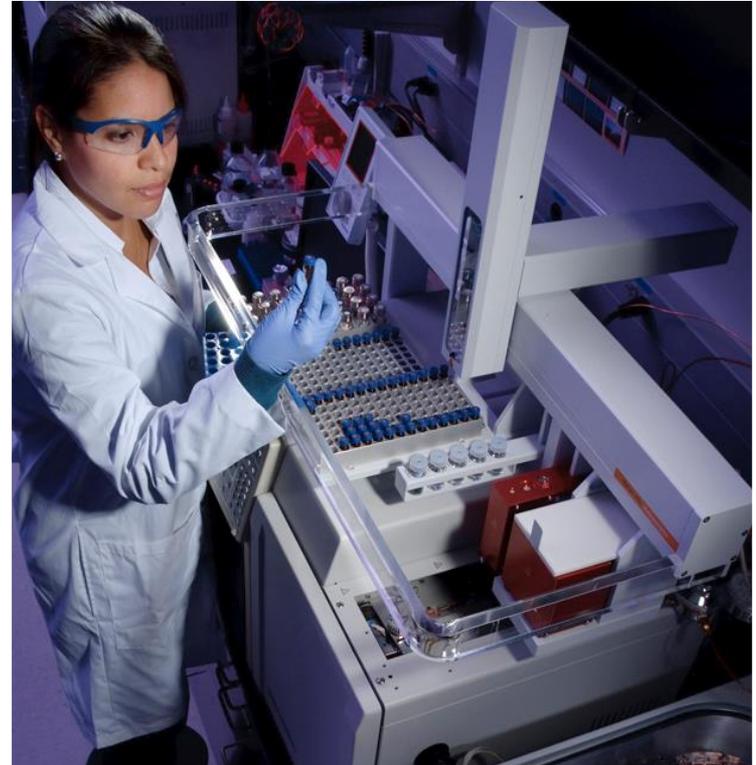
NIST is in the Department of Commerce



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

NIST: Basic Statistics and Facts

- Two locations: Gaithersburg, Maryland (headquarters) and Boulder, Colorado
- ~ 3,000 employees
- ~ 2,700 associates
- ~ 1,300 manufacturing specialists/staff
- NIST's FY15 resources totaled \$864 million
- External collaborative institutes: basic physics, biotech, quantum, marine science, cybersecurity, and others



NIST Priority Areas



TebNad
Advanced Manufacturing



designersart
IT and Cybersecurity



S.Bonk
Healthcare



STILLEX
Forensic Science



NIST
Disaster Resilience



EnsUPER
Cyberphysical Systems



Jovan Nikolic
Advanced Communications



Standards solutions for national priorities



ladams/shutterstock

Smart grid



Johan_Swanepoel/shutterstock

Forensic science



Valerie_Potapova/shutterstock

Computer security



Kurhan/shutterstock

Health IT

NIST Partnerships

Industry



Agilent Technologies

intel.



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 (SCO)

SCO provides standards and conformity assessment expertise and services in support of government and industry

Coordination

Guidance

Information
Services

SCO Tools and Services

- WTO Technical Barriers to Trade Inquiry Point
- Standards Information Center
- Mutual Recognition Agreement (MRAs) designation
- Standards and conformity assessment program development for federal agencies
- Standards curriculum development grants
- Laboratory accreditation
- Standards training program

- Standards
- Conformity Assessment
- Accreditation
- Metrology

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Additional Resources

- NTTAA NATIONAL TECHNOLOGY TRANSFER AND ADVANCEMENT ACT
- OMB A-119 Current Version
- OMB A-119 Proposed Revisions
- TRADE AGREEMENTS ACT OF 1979
- EXECUTIVE ORDER 13563 IMPROVING REGULATION AND REGULATORY REVIEW
- EXECUTIVE ORDER 13609 PROMOTING INTERNATIONAL REGULATORY COOPERATION
- EXECUTIVE ORDER 13610 IDENTIFYING AND REDUCING REGULATORY BURDENS
- FEDERAL ENGAGEMENT IN STANDARDS ACTIVITIES TO ADDRESS NATIONAL PRIORITIES
- WHITE HOUSE MEMO PRINCIPLES FOR FEDERAL ENGAGEMENT IN STANDARDS ACTIVITIES TO ADDRESS NATIONAL PRIORITIES

ASTM Standardization News Article: *Standards Professional Series, Succeeding as a Standards Professional*, by Laura Hitchcock

- Part 1: Basic Career Tools Get it in Writing
- Part 2: Basic Career Tools Building a Business Case for Standards Participation
- Part 3: The Art of the Trip Report
- Part 4: Tools and Tricks for the Standards Professional
- Part 5: Your Future as a Standards Professional

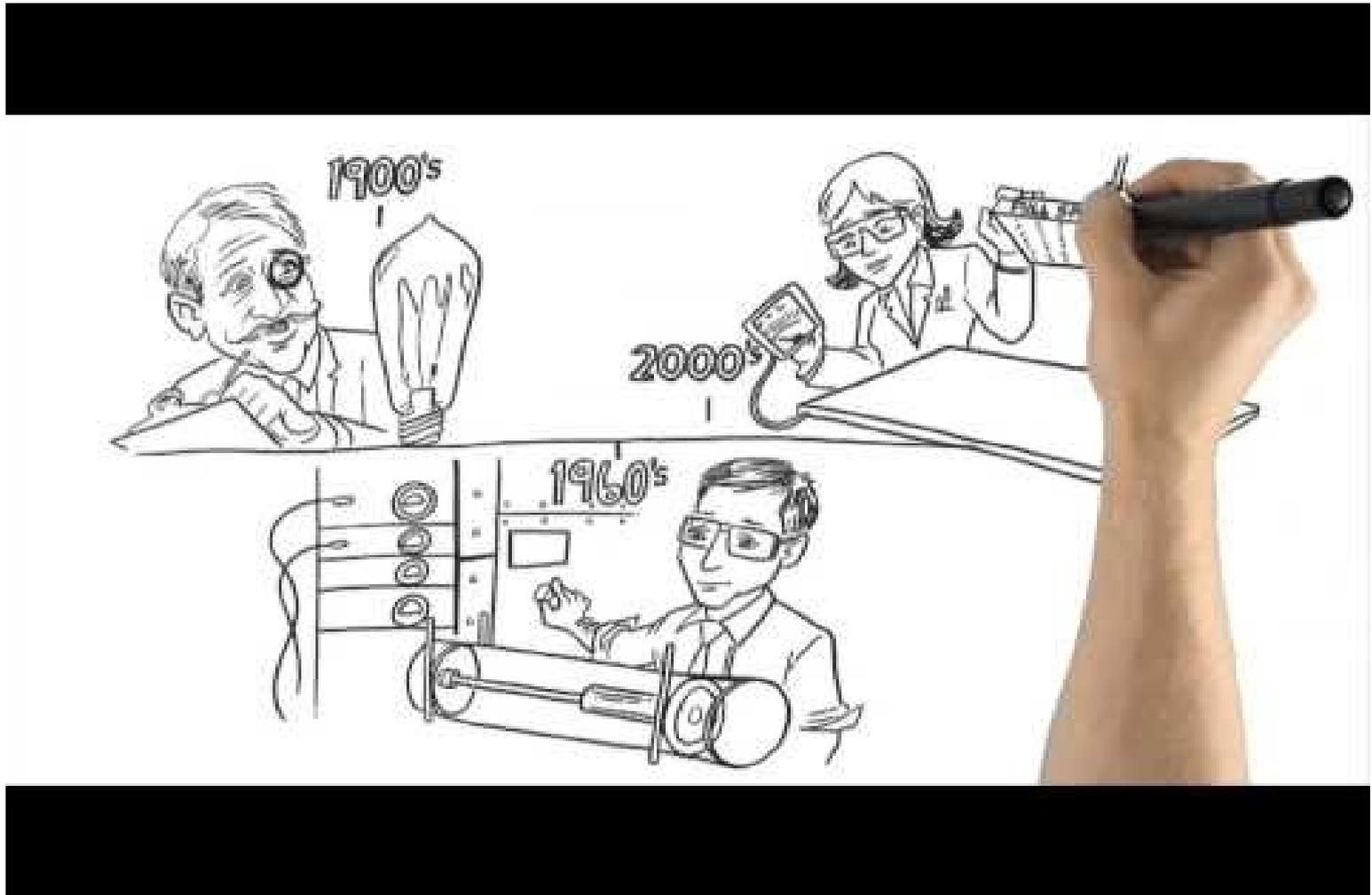
ASTM Standardization News Article: *Making the Confidence Connection Conformity Assessment System Design*, by Gordon Gillerman

Highlights

Quick Links

- ▶ Comparing a Proposal for a New GUM with the Current GUM
- ▶ GLOBALIZATION AND STANDARDS: SUPPLY CHAIN OPERATIONS, STRATEGY AND INFRASTRUCTURE
- ▶ Fundamentals of Standards and Conformity Assessment for Government Agencies, June 22 and Standards Simulation Exercise, June 23
- ▶ WTO TBT Inquiry Point
- ▶ Guides for Industry: Compliance Requirements
- ▶ ANSI Committee on Education Student Paper Competition 2015
- ▶ Notify U.S.
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NIST Illustrated Video



Thank You

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