Information Technology Laboratory Updates

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Cultivating Trust in IT and Metrology through measurements, standards and tests.
Science and Engineering Strategy

- Fundamental research in mathematics, statistics, and IT
- Applied IT research and development
- Standards development and technology transfer
National Cybersecurity Center of Excellence

- Build trust in the digital economy and accelerate the adoption of standards-based cybersecurity technologies
- Partnerships and Collaborations
- Facility
- Outputs
National Strategy for Trusted Identities in Cyberspace

- Build trust in the digital economy through trusted digital identities
- Pilots
- NCCoE
- Lessons learned
Cryptography

- Build trust in globally interoperable encryption standards
- Building Internal Capability
- International Engagements & Engagement with Broader Community
- Internal Policies
Cybersecurity Framework

- Manage/Reduce cybersecurity risk for owners/operators of critical infrastructure
- Minor update (Winter 2017)
- International Outreach
- Draft Baldrige Cybersecurity Excellence Builder
Presidential Commission on Cybersecurity

- Strengthen cybersecurity in the public and private sectors over the next decade
- Detailed and actionable recommendations to the President by December 1, 2016
Priorities

Cybersecurity/Cryptography

Reliable Computing

Internet of Things

National Scientific Computing Initiative

Machine Learning/Artificial Intelligence
Transition Planning

- Administration Transition
- NIST Management
- Changing Priorities
- Cybersecurity
Questions