Multi-Factor Authentication Initiatives

Presented by Michael Garris

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Background

- The Comprehensive National Cybersecurity Initiative (CNCI)
  - seeks to improve cyber security
  - NSPD-54 / HSPD-23 (2008)
- CNCI is funding NIST's Multi-Factor Authentication Initiative
  - To improve cyber security through strengthening authentication assurance by
    - Advancing multi-factor authentication
    - Shifting the predominance of the username-password paradigm for online transactions

- On Card Comparison Testing (ongoing)
  - MINEX II – Patrick Grother
- Standards and reference implementation for web services (starting FY11)
  - Ross Micheals

MFA Biometrics Project (2 of 2) Work via Grants

- Metrics for a Benchmarking-Framework to Rank Biometric Template Protection Algorithms (starting FY11)
  - Funding Katholieke Universiteit Leuven (Belgium) & Gjøvik University College (Norway) and working with TURBINE
- Anti-Spoofing/Liveness Detection (starting FY11)
  - Funding Clarkson U & WVU to develop evaluation approaches for fingerprint recognition systems
  - Proposing an international standard in ISO SC 37

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