Enhancing Online Choice, Efficiency, Security, and Privacy

The Identity Ecosystem Framework will not be developed overnight. It will take time for different participants to reach agreement on all of the policy and technical standards necessary to fulfill the Strategy's vision. Initially, the Identity Ecosystem Framework is likely to contain a fairly minimal set of commonly agreed upon standards. The Identity Ecosystem Framework will become more robust over time as participants are able to come to agreement on different standards.

–President Obama, National Strategy for Trusted Identities in Cyberspace, April 2011

Identity Ecosystem Steering Group Released v.1 of the IDEF

NIST National Institute of Standards and Technology U.S. Department of Commerce

https://www.idesg.org/The-ID-Ecosystem/Identity-Ecosystem-Framework/IDEF-Core-Documents

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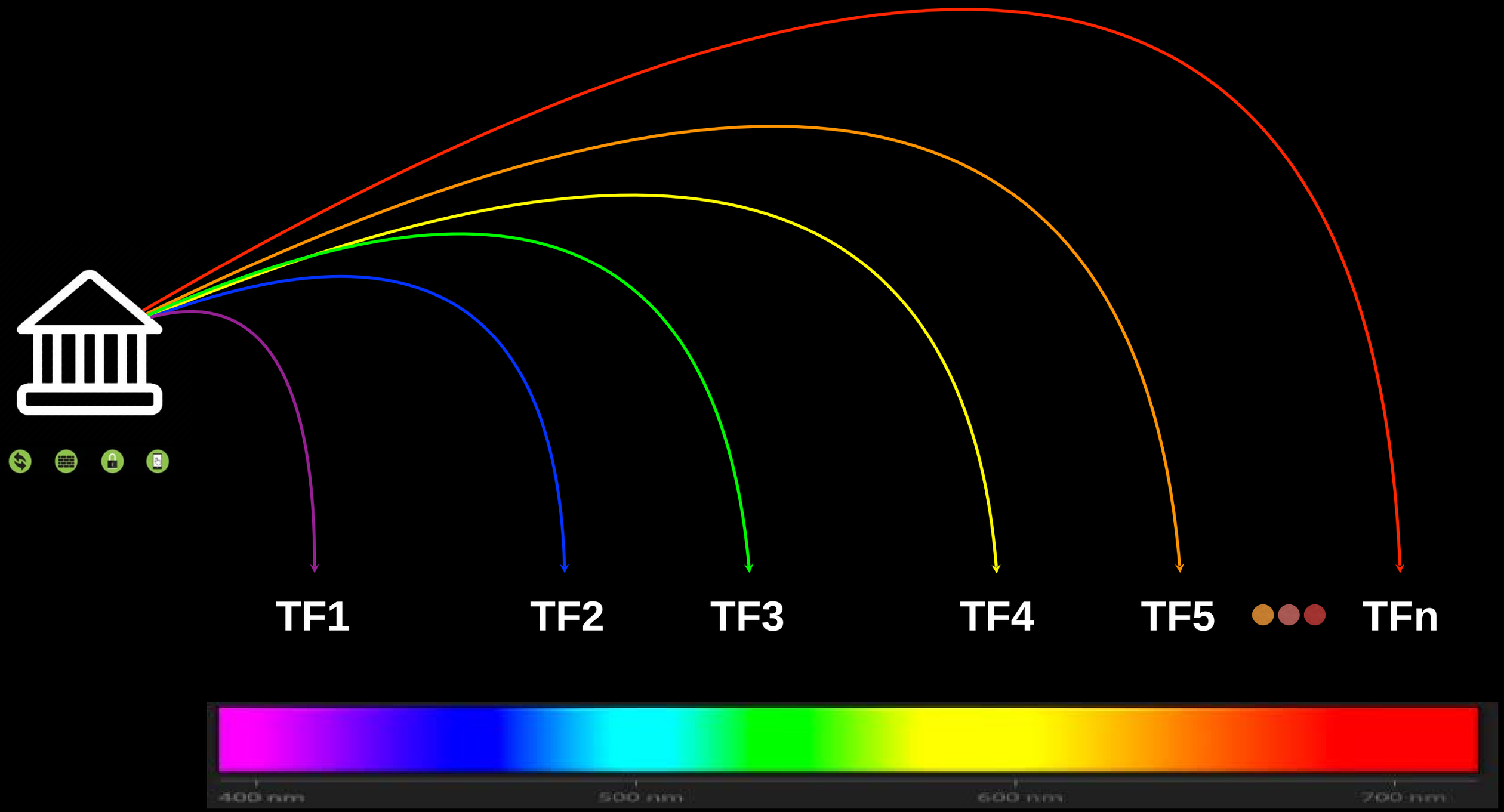
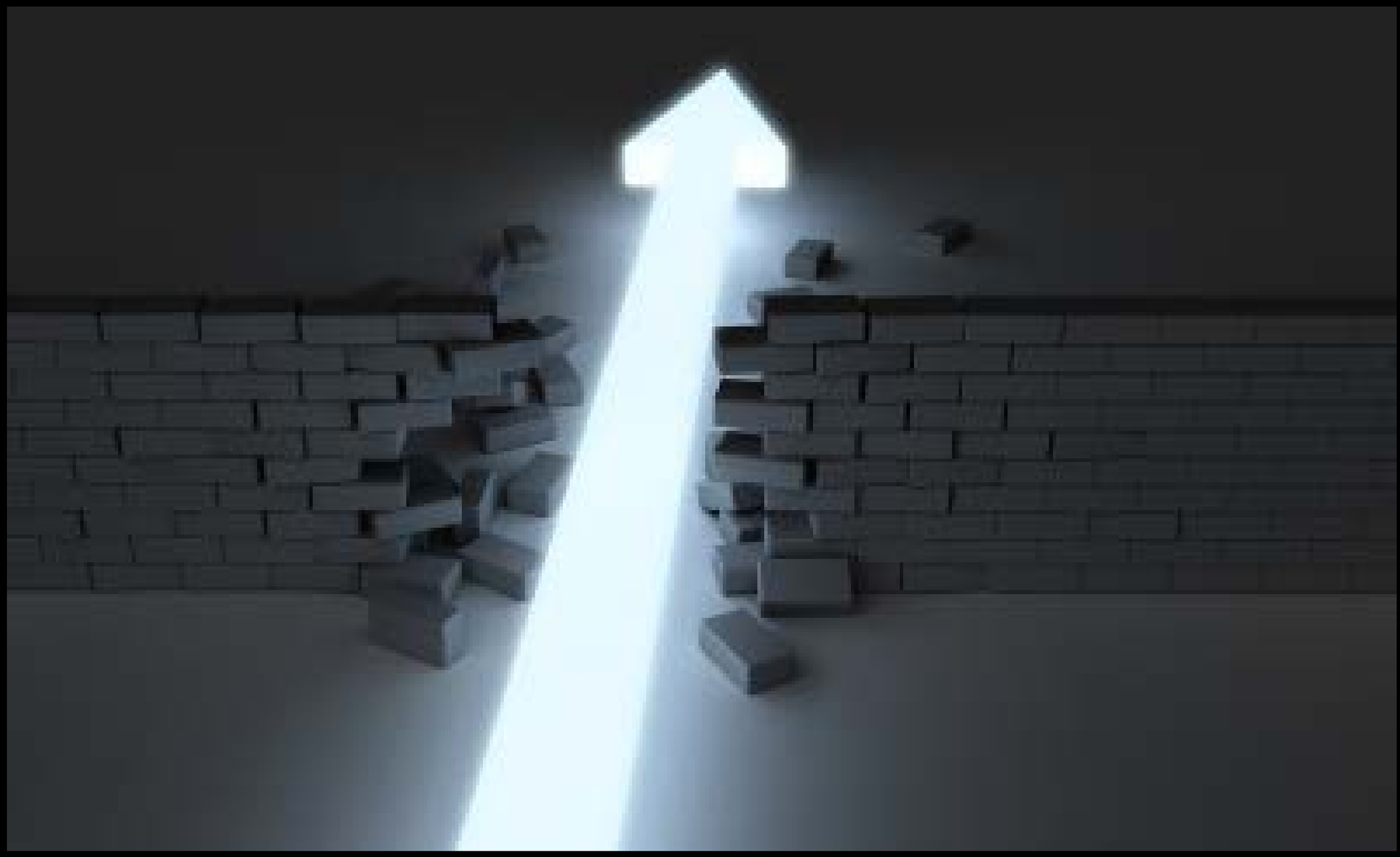
A Spectrum of Trust Framework Spinoffs



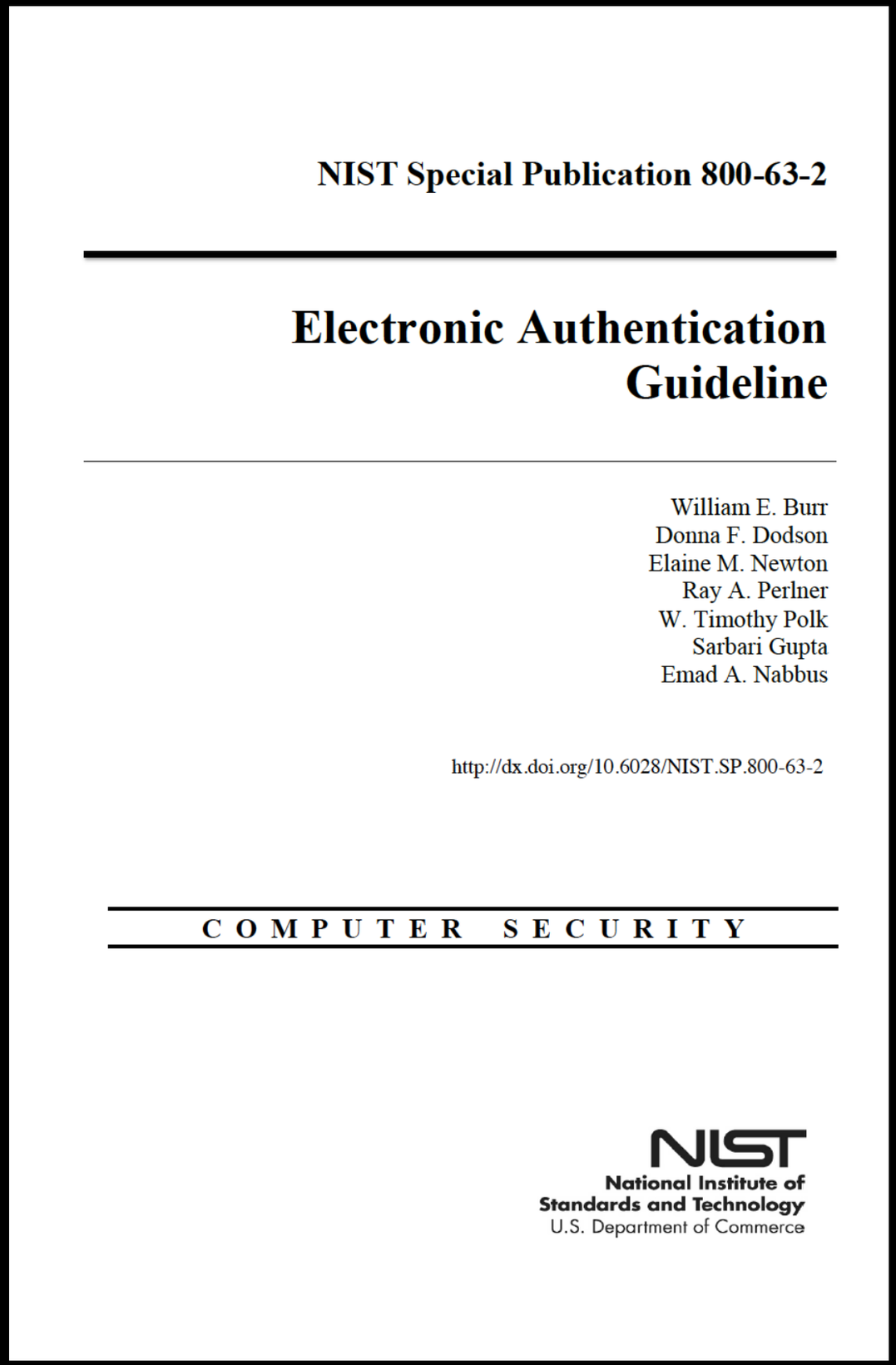
“gettin’ NIST-Y wit it”

–Will Smith?



Remover of Barriers

Update on the Update



NIST Special Publication 800-63-2

Electronic Authentication Guideline

William E. Burr
Donna F. Dodson
Elaine M. Newton
Ray A. Perlner
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Sarbari Gupta
Emad A. Nabbus

http://dx.doi.org/10.6028/NIST.SP.800-63-2

COMPUTER SECURITY

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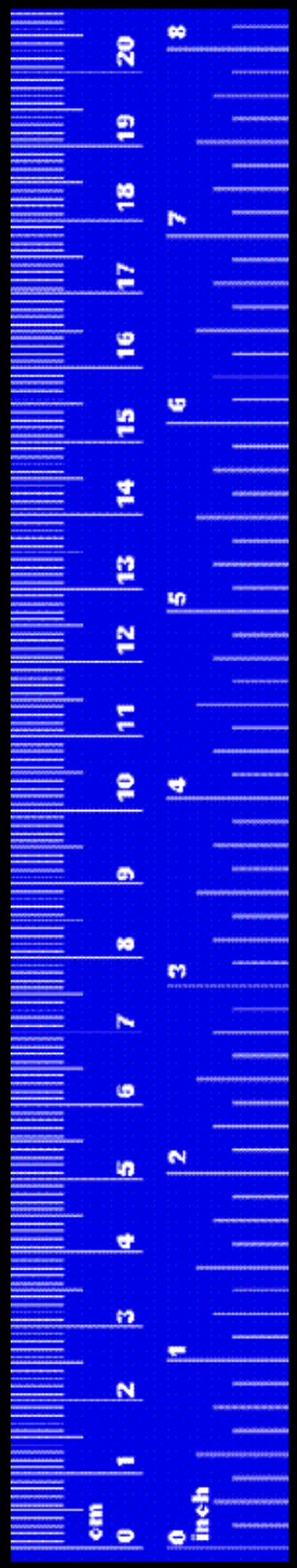
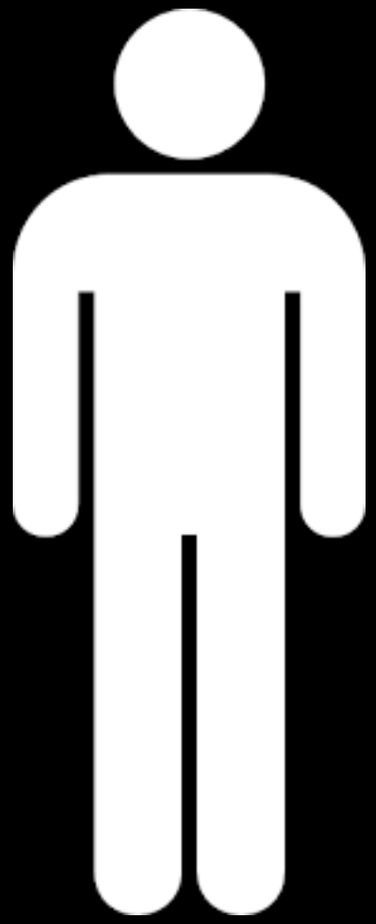
Measurement Science in the Identity Ecosystem



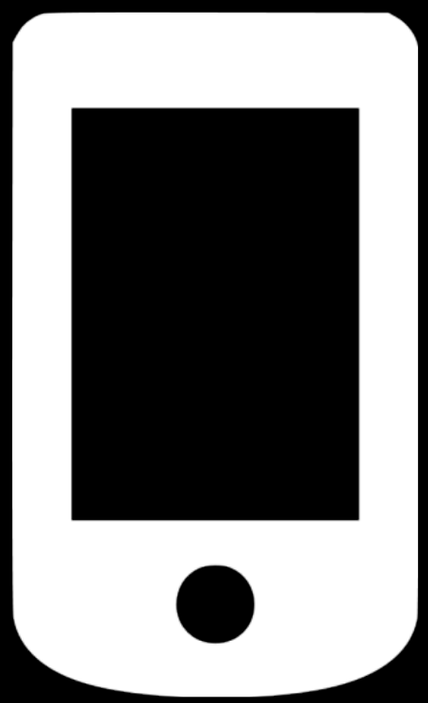


- **Identity Proofing**
- **Credential**
- **Attributes**

“Your LOA3 != My LOA3”

–Everyone

Authentication

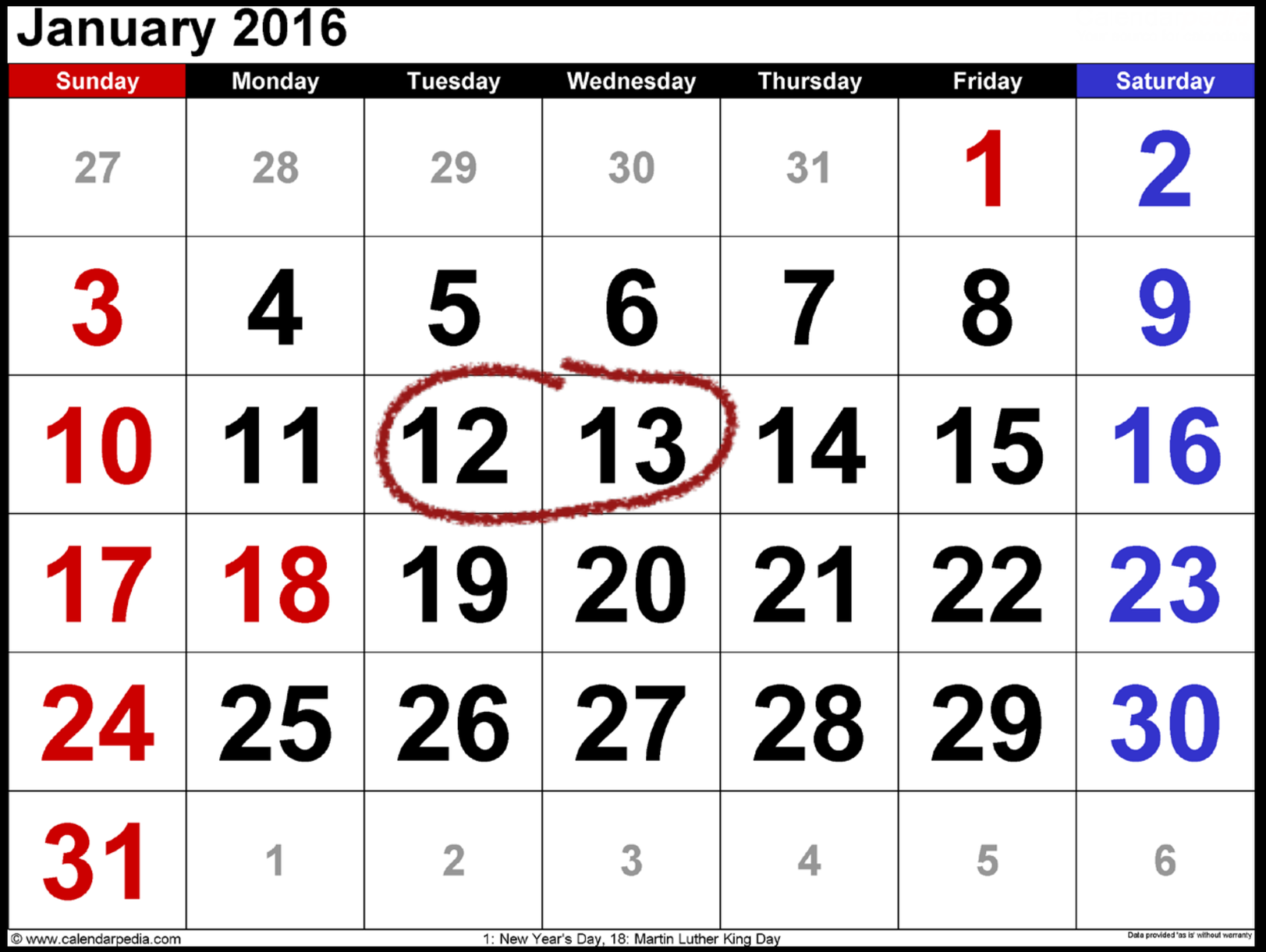


OR

(or both?)

Attributes

Convener



Save the Date

NIST Advanced Identity Workshop

http://www.nist.gov/nstic/events.html

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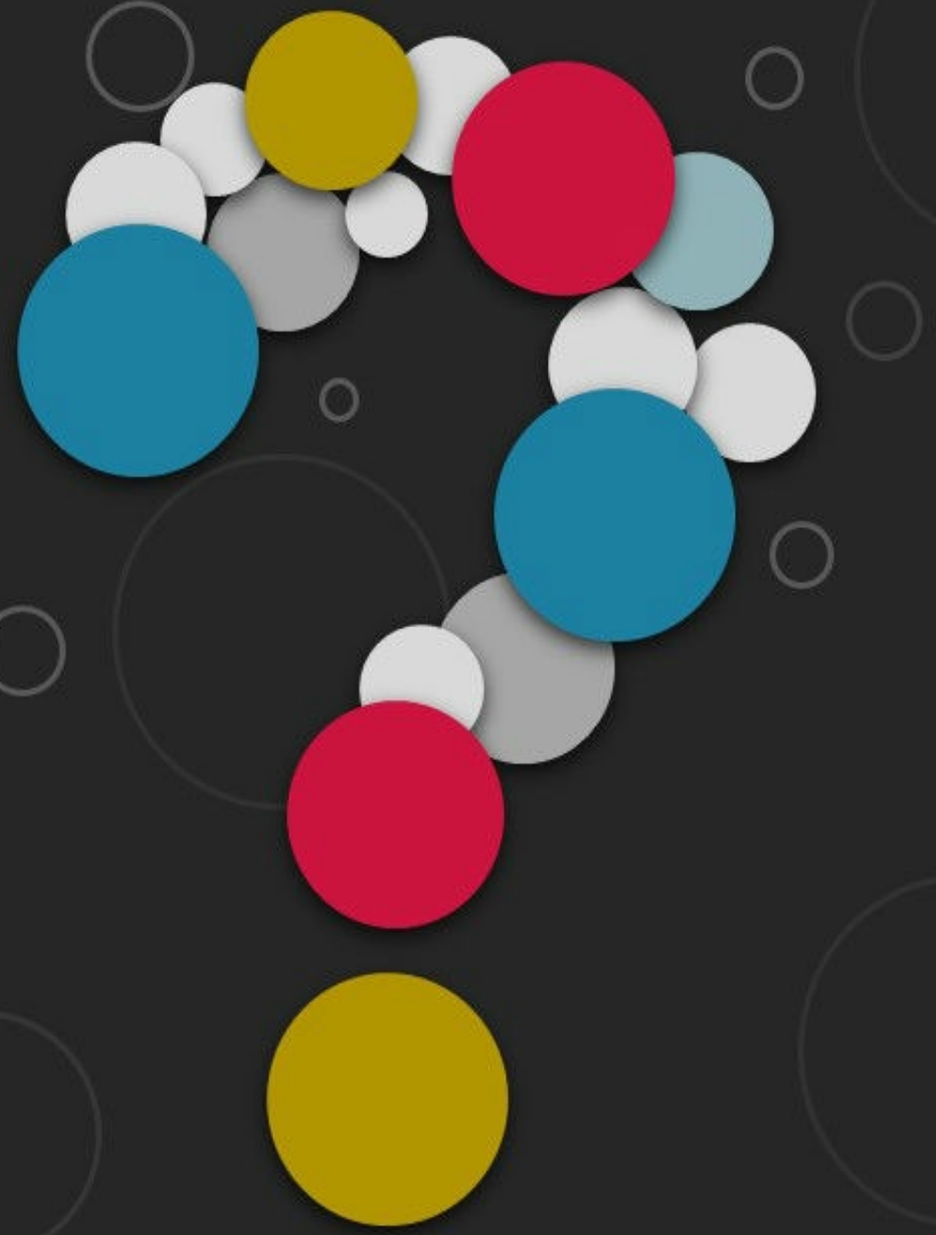
What's Next?

The Identity Ecosystem Framework provides a baseline set of standards and policies that apply to all of the participating trust frameworks This baseline is more permissive at the **lowest levels of assurance**, to ensure that it does not serve as an undue barrier to entry, and more detailed at **higher levels of assurance**, to ensure that participants have adequate protections.

- Registry
- “Trustmarks”
- Dynamic Discovery
- Dynamic Registration
- End User Notification

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