

NIST Digital Identity Update: OIX Workshop

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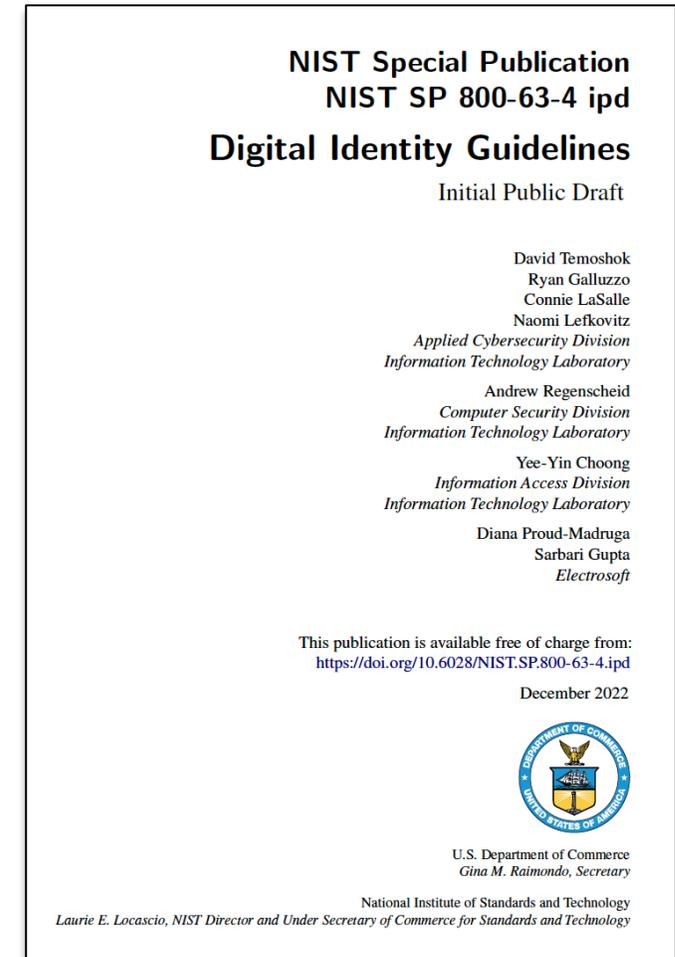
May 2023

- Update on NIST Digital Identity Guidelines – where we are and what is next!
- Overview of our IAM Roadmap – Currently open for public comments!
- Update on our National Cybersecurity Center of Excellence mDL/Mobile Digital Identity Project

Digital Identity Guidelines Update

What Are the Digital Identity Guidelines?

- Details the process and technical requirements for digital identity management.
- Describes identity risk management process and assurance level selections (identity proofing, authentication, federation).
- Provides considerations for enhancing privacy and usability of digital identity solutions and technology.
- Inclusive of 4 volumes:
 - Base – Digital Identity Model and Risk Management
 - A – Identity Proofing & Enrollment
 - B – Authentication & Lifecycle Management
 - C – Federation & Assertions
- Last major revision was in June of 2017
- Public comment period closed on April 14th



Why Are We Making Changes?

- Advance equity.
- Emphasize optionality and choice for individuals.
- Deter phishing, fraud, and advanced threats.
- Address lessons learned through real-world implementations.
- Emphasize multi-disciplinary risk management processes.
- Clarify and consolidate requirements where needed.

What Are Some Our Key Changes?

The draft introduces substantive changes to all four volumes and specifically...



Revamps Risk Management and Assurance Selection Process



Updates biometric performance requirements for proofing and authentication



Introduces digital evidence concept (e.g., mDL and Verifiable Credentials)



Defines phishing resistance and updates password requirements (e.g., composition & rotation)



Mandates Trusted Referees as an option and introduces Applicant References



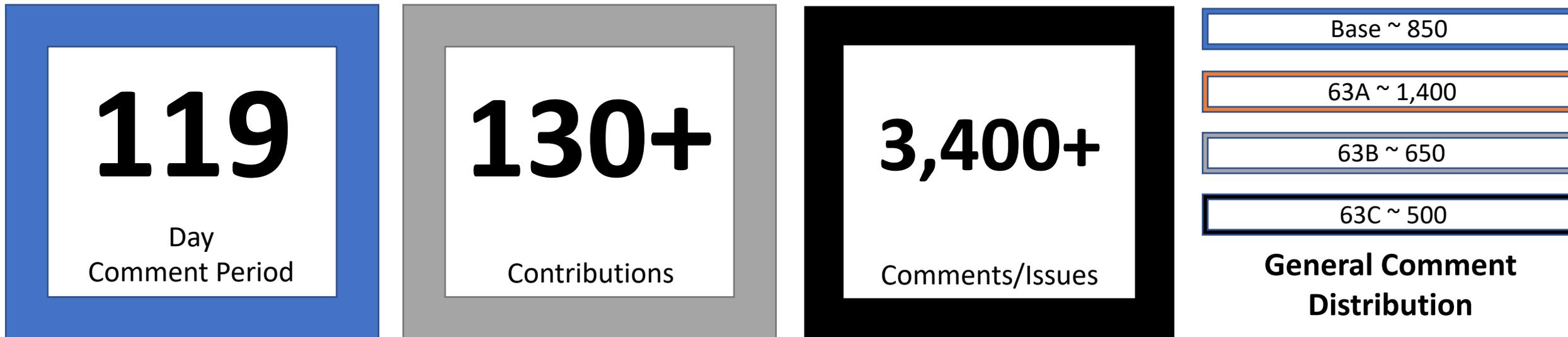
Establishes a new Identity Assurance Level 1 where biometrics are optional



Provides normative language for the vendors and agencies to assess the impact of technology on equity

What is Next? Comment analysis...

The comment period closed on April 14th and we received a tremendous amount of feedback from a diverse array of interested parties.



Comments will be triaged, analyzed, adjudicated and updated timeline developed.

End of the Comment Period is NOT the end of dialogue!

What's Next?

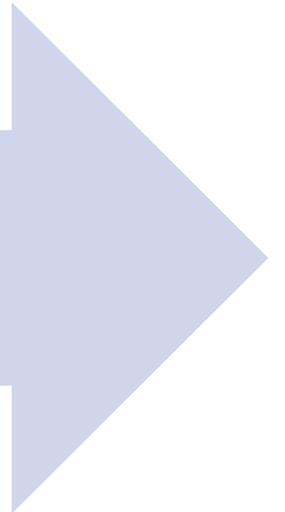
**Draft
Released!**
12/16/22

**Close of
Comment
Period**
4/14/2023

**Publication
Decision
Point**
Fall 2023

**Kick-Off
Workshop**
1/12/23

**Updated
Workshop**
Summer
2023



NIST IAM Roadmap

IAM Roadmap - What is it?

- NIST's IAM Roadmap is a strategic document that internally supports program coordination and externally communication of NIST's priorities.
- Covers projects from across ITL - Digital Identity Guidelines, mDL and Digital Credentials, Biometrics, Privacy Enhancing Technology, and User Experience
- Conveys several key concepts:
 - Guiding Principles
 - Strategic Objectives
 - Activities
- Published for public comment and is available [here](#)
- Feedback is due June 1st and can be sent to digital_identity@nist.gov or directly to ryan.Galluzzo@nist.gov

IAM Roadmap – Strategic Objectives



- Accelerate implementation and adoption of mDL and user controlled digital identities
- Expand and enhance biometric and identity measurement programs
- Evaluate technologies that enable authoritative attribute validation
- Advance secure, private, usable, and equitable identity proofing and fraud mitigation options
- Accelerate the use of phishing resistant, modern multi-factor authentication
- Modernize Federal PIV guidance and Infrastructure
- Advance dynamic authorization and access control schemes
- Promote greater federation & interoperability of identity solutions

National Cybersecurity Center of Excellence (NCCoE) Project: Accelerate Adoption Of Digital Identities On Mobile Devices

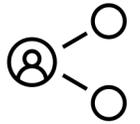
- **Challenge:** Emerging standards for the use of mDL and other Digital Credentials are nascent and there is limited practical guidance to support their use in online and unattended scenarios.
- **Approach:** Bring together a broad ecosystem of participants – Relying Parties, States, Federal Agencies, Identity Providers, IAM/IDaaS Platforms – to prototype end-to-end use cases based on real-world business processes and existing standards (ISO/IEC 18013-7 and 23220-4)
- **Use Cases:** Identity Proofing (using mDL as evidence of identity), Attribute Presentation (support “restricted” services), Authentication (log in with your mDL)...
- **Outputs:** Prototypes & Demos, “How-to” Guide for Integration with Online Services, Open Source Reference Implementation
- **Outcomes:** Promote Adoption, Maximize Investment, Improve Interoperability & Security

If You Are Interested Please Reach Out!

How Can You Get Involved?



Comment on our Roadmap! The comment period closes on June 1st – send input to Digital_Identity@nist.gov!



Engage at the NCCoE! From communities of interest to actual project participation there are multiple pathways to participate.



Participate in our Workshops! We have multiple events throughout the year to gain feedback, input, and insights from the community at large!



Email us and just say “hey!” We can be reached at dig-comments@nist.gov or email me directly at ryan.galluzzo@nist.gov