



Security Technologies (Session 7E)

Toby Slusher, Raja Kailar, Morgan Lestat-Alexander
Centers for Disease Control and Prevention

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Electronic Authentication For Information Technology Systems

Toby Slusher

Centers for Disease Control and Prevention

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Would you trust...



...a complete stranger?

...an acquaintance?

...a long-time friend?

...an immediate family member?

...yourself?

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Session Objectives



1. Identify considerations for mapping assurance levels to identified risks.
2. Define identity proofing/registration, and identify authentication levels.
3. Identify methodologies for identity proofing during authentication.
4. Identify associated support mechanisms related to the authentication process.

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Mapping Considerations



Data Categorization

- Type of data
- Applicable laws, regulations, etc.
- Data use (e.g., analysis, publication, etc.)

Audience/Users

- Type (public, limited)
- Roles (viewer, modifier)

Environment

- Infrastructure
- Controls (policy, application, security)



Mapping Considerations (Continued)



Impacts

- Damage to standing or reputation
- Financial loss or liability
- Harm to programs
- Release of data
- Safety
- Civil or criminal penalties

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Identity Proofing



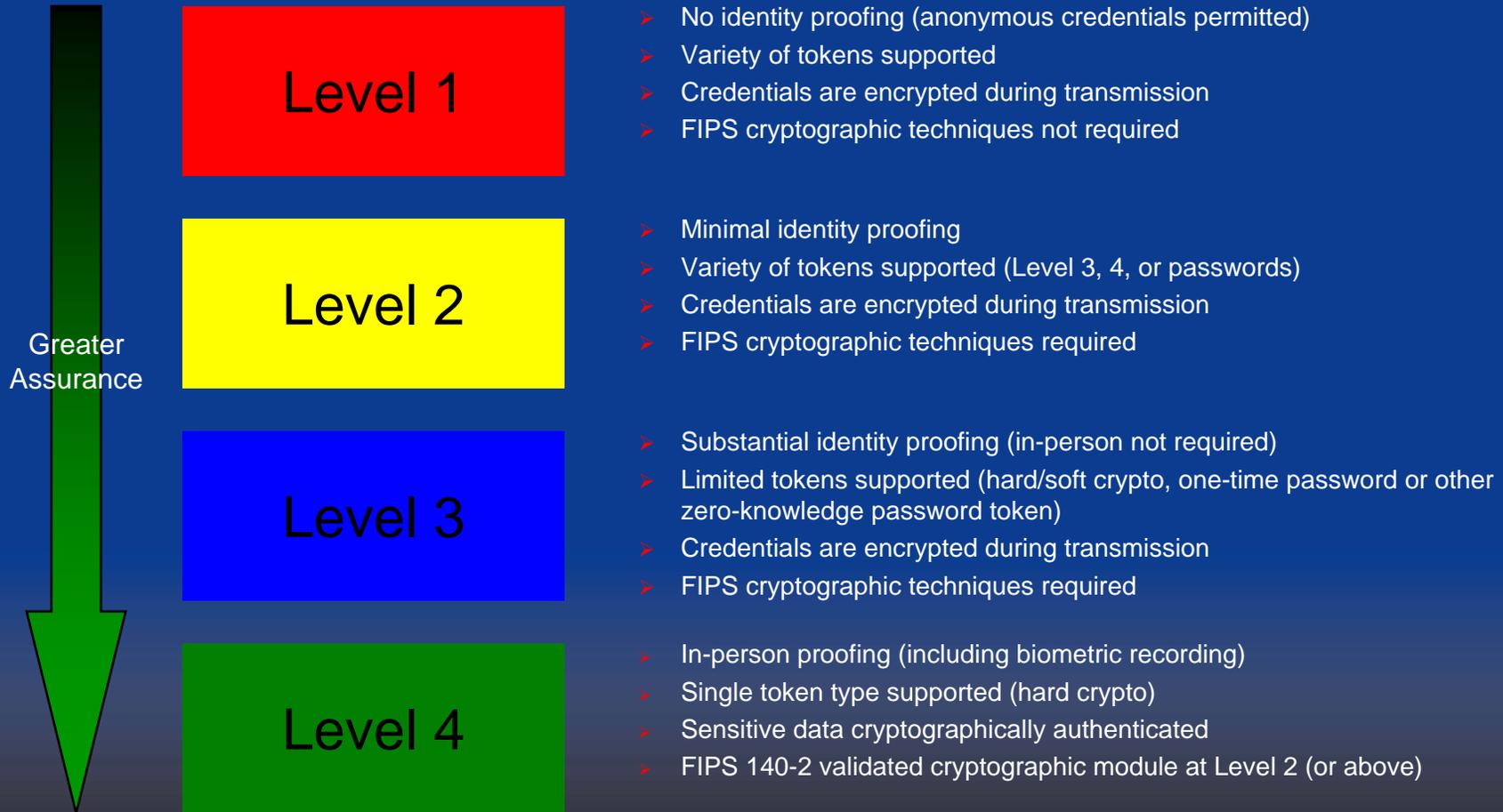
Defined as the process by which a Credentials Service Provider (CSP) and a Registration Authority (RA) validate sufficient information to uniquely identify a person.



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Assurance Levels





Authentication Support Mechanisms



Monitoring

- Environment logs
- Process logs
- Security logs

Auditing

- Authentication success/failure
- Change to identity/tokens



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References/Information Sources



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Questions & Answers

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