

Table 1

Criteria for Identity Provider Level of Assurance (LOA) Profiles

Category	Criteria	LOA 1	LOA 2	LOA 3	
A. Organizational Requirements	1. Certification	◆	◆	◆	
	2. Legal Status	◆	◆	◆	
	3. Liability Provisions	◆	◆	◆	
	4. Policies and Practices	◆	◆	◆	
B. Infrastructure Guidelines	1. Software Security		◆	◆	
	2. Physical Security		◆	◆	
	3. Network Security		◆	◆	
C. Identity Creation and Proofing	1. Identity Establishment		◆	◆	
	2. Identity Proofing		◆	◆	
		Existing Relationship		◆	◆
		In-Person Proofing		◆	◆
	Remote Proofing		◆	◆	
	3. Record Retention		◆	◆	
D. Identity Management Practices	1. LOA Classification per Identity	◆	◆	◆	
	2. Consistent Data Definitions	◆	◆	◆	
	3. Informed Consent	◆	◆	◆	
E. Credential Management	1. Subject Interactions		◆	◆	
	2. Revocation		◆	◆	
	3. Reissuance		◆	◆	
	4. Record Retention		◆	◆	
F. Authentication Guidelines	1. Unique Identifier	◆	◆	◆	
	2. Minimum Entropy of Authentication Secret	14 bits	20 bits	64 bits	
	3. Protection of Authentication Secrets	◆	◆	◆	
	4. Assertion Security	◆	◆	◆	
	5. Multifactor Authentication			◆	
G. Risk Mitigation	1. Acceptable Use Policies	◆	◆	◆	
	2. Business Continuity		◆	◆	
	3. Attack Resistant	◆	◆	◆	
	4. Single Sign-on (SSO)	◆	◆	◆	
	5. Credential Sharing Resistant	◆	◆	◆	