Virtual Identity: What e-ID Is and How it Will Work

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What Is An e-ID?

• Technically: it’s a non-traceable/non-linkable numeric value unique to a single entity based on the entity’s characteristics

• Practically: it is a virtual representation of a physical credential such as your driver’s license or ID card
Citizen Impact

- Single Sign-on
- Security
- Privacy
- Faster Access/Service
- Lower Costs for products/services
Economic Development

• Serving more with less (on-line)
• Reduced fraud and abuse issues
• Reduced operational costs
• Encourages start-up companies
• Encourages on-line innovation
• Facilitates sharing data securely
Political/Cultural/Legal

- Who wants e-ID.....?
  - the business community?
  - the public?
  - government?
- The balance: Security vs. Productivity
- e-ID Ecosystem: Who’s Responsible?
- Liability Issues
Trust

• Driver’s License/ID Credential
• DMV/MVA’s in-person identity proofing
• DMV/MVA’s Legal Presence proofing
• Real-ID regulations/compliance
• Established trusted framework in AAMVA
• Who else would the public trust?
Current e-Identity Initiatives Impacting AAMVA/Jurisdictions

- Identity Ecosystem Steering Group (IDESG) utilizing NSTIC principles
- National Association of State CIOs (NASCIO) and their e-ID/SICAM program
- AAMVA’s e-ID Workgroup
- Virginia’s Commonwealth Authentication Services System CAS/e-HHR Project
- AAMVA’s CSDII e-ID Project
Use Case Possibilities for CSDII Pilot

- Adult Websites (politically incorrect!!!)
- Gaming industry
- Visitor Registration Program at Virginia Department of Corrections
- Virginia Social Services/Medicaid Benefits Application Program
- On-line Filing of Court Documents
- Virginia Department of Taxation
- Virginia “Casual” Sale
Virginia ‘Casual’ Sale
Use Case

• Selected for potential high value – post pilot
• Exercises all four capabilities of the CSDII proposal
  - Verify attributes
  - Enable Identity Providers to use verified attributes to issue a "Leveled Up" credential
  - Authenticate credential
  - Enable Relying Parties to use verified attributes to make an authorization decision
• Resources remain under control of participants
CSDII Capabilities

- Verify Attributes
- Level-Up Credential
- Authenticate Credential
- Utilize Credential

Evolve Trust Framework
CSDII Architecture

User and Browser

Relying Parties

Identity Providers

Credential Service Providers

Relying Parties
CSDII Architecture

- Privacy Enhancing Technology Provider
- Identity Providers
- Credential Service Providers
- Attribute Verifiers
- Attribute Providers
- Relying Parties
- User and Browser
Questions/Comments

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