The webinar will begin shortly
The Mobile Driver’s License and Ecosystem

Identity Council Webinar
April 30, 2020
• Randy Vanderhoof, Secure Technology Alliance
What We Do

❖ Bring together stakeholders to effectively collaborate on promoting secure solutions technology and addressing industry challenges
❖ Publish white papers, webinars, workshops, newsletters, position papers and web content
❖ Create conferences and events that focus on specific markets and technology
❖ Offer education programs, training and industry certifications
❖ Provide networking opportunities for professionals to share ideas and knowledge
❖ Produce strong industry communications through public relations, web resources and social media
…Serves as a focal point for Alliance’s identity and identity related efforts leveraging embedded chip technology and privacy- and security-enhancing software… Supports a spectrum of physical and logical use cases and applications, form factors, attributes, and authentication and authorization methods.”

COUNCIL RESOURCES

- Assurance Levels Overview and Recommendations
- Identifiers and Authentication – Smart Credential Choices to Protect Digital Identity
- Identity Management in Healthcare
- Identity Management Systems, Smart Cards and Privacy
- Interoperable Identity Credentials for the Air Transport Industry
- Identity on a Mobile Device: Mobile Driver’s License and Derived Credential Use Cases
- The Mobile Driver’s License and Ecosystem
- Smart Card Technology and the FIDO Protocols
mDL - A Secure Technology Alliance Member Initiative

- Industry driven
- Education focused
- White papers, FAQs
- Online resources
  - Knowledge Center
  - mDL Uses
  - Implementation Map
- How to get involved

www.mdlconnection.com
Polling Question

What is the stakeholder category or business interest that best describes your interest in mobile driver’s licenses (mDLs)?

- Technology: Identity/security technology provider/integrator
- Issuance: Government/other entity issuing ID documents
- Relying Party: Entity using ID credentials in its business
- Standards: Regulator/standards setting body for digital ID
- Other: None of the above
Webinar Panelists

- Randy Vanderhoof, Secure Technology Alliance
- Geoff Slagle, AAMVA
- Mike McCaskill, Florida Highway Patrol
- David Kelts, GET Group NA
Introduction

Who is AAMVA?

• DMVs & State/Provincial LE agencies (U.S. and Canada)
• 150+ Associate members
• Federal government (DOT, DOJ, DHS, State, DoD, DOC, SSA)
• Coalitions/Associations (STA)
• Standards Developing Organization (ANSI)
High-level overview of mDL

What is an mDL?

• Concept
• Common misconceptions
• Functional requirements
• International work
What is an mDL?

Concept

1. Name: Abu Tanaka
2. DOB: 1980-01-01
3. Validity: 2022-03-22
4. Code: A, BE

Utopia State
My Cards

mDL Reader
Valid

Hello Abu
Connection
Online
Settings
Help

My Cards

010110 110011 101000 0001
What is an mDL?

Common misconceptions

mDL is **NOT** a picture of the physical license on the device
What is an mDL?

Functional requirements

Security AND Privacy by design

- Confirm Identity
- Convey Driving Privileges
- Trustable
- Interoperable
- Selective Info Release
- Attended and Unattended
- Remote Management
- Work Offline

What is an mDL?
mDL standardization
International activity

- Implementations
- Pilots
- Proof of Concepts
In light of the recent pandemic, the need for standardized mDL implementations is even greater than originally envisioned. With an overnight reality thrust upon the world that has turned into an online/virtual workforce and workplace with a super strong aversion to having to physically interact with something if it’s not 100% necessary.

- Geoff Slagle
Mike McCaskill – Chief Administrative Officer, Florida Highway Patrol, Chair of Joint mDL Working Group

Date  30 April 2020
Jurisdictional Needs

- Confirm Identity
- Convey Driving Privilege
  - Revoked, Cancelled, Suspended
- Privacy
  - No tracking
  - Selective information release
- Security
  - Data secured on the device
  - Device engagement Encrypted
Jurisdictional Needs Cont.

- Interoperable
  - Across jurisdictional lines
  - globally
- Trustable
  - Data authentic
  - Data source validation
- Work Offline
  - Areas without cellular service
- Ability to manage remotely
  - Remove mDL from device
The mDL will be the single biggest change ever seen in the identity landscape. It will allow for process improvements in banking, travel, driving privilege management, and safety improvements for law enforcement.

- Mike McCaskill
Mobile Drivers License (mDL) is **not** an image of a Driver’s License

Photoshop, Screenshots, Barcode generators, Image sharing, & the lack of Trusted Screen Environment make this an expensive mistake someone will make
Enter ISO 18013-5, a collaboration of over 50 Companies, Issuers, Associations and Platform OEMs.

- Citizens should have control over their personal data
- Issuers eSign the identity attributes to demonstrate they have been proven
- Relying Parties should obtain just the data they need for compliance of their use case and not store data
- Relying Parties verify the data to trust the interaction – *in person or online*
mDL Creates an Ecosystem

Issuing Authority
- Provision & Sign
- Manage Identity Accuracy
- {Optional} Identity Provider

Citizen
- mDL Holder / User
- Requests a Service with ID
  - in-person {or online}

Verifier
- Reads and Validates mDL
- Lowers Risk and Fulfills Compliance Regulations
Trust Mechanisms - ISO 18013-5 mDL & mID

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mDL Use Cases for ISO 18013-5
Drawn from AAMVA mDL Functional Needs Whitepaper and known RFPs

Identity
- Cyber Identity
- Obtain Social Services
- Vote or Register to Vote
- Open Bank Accounts
- Peer to Peer Data Exchange

Contextual
- Rent a Car, Car Sharing
- Check into Hotel
- Roadside Stop
- Board a Plane, Security Check
- Federal Building Access

Core
- Provision, Delete, Update data or privileges
- Share Driving Privilege
- Enter a Bar, Club, or Restaurant
- Purchase Age-Restricted Item
- Show Driving Privilege (not trusted)

Data Minimization is a requirement for all mDL Use Cases
mDL promises a revolution in Customer Service delivery – we can now trust identity from distances, scenarios, and devices that we could not previously.

Will your company be ready to rely on Mobile ID and reap the benefits of mDL?
Webinar #2: Mobile Driver’s License Uses

- Cryptographic Proof
- ID Verification
- Webinar 1

Mechanisms
- Online
- Offline
- NFC, QR, BLE, WiFi Aware

Interaction Modes
- Tap & Go
- Scan & Lookup
- Distance

Use Cases
- Choosing how to Interact
- Selecting Required Data

- Interaction Modes for an mDL
- Use Case Requirements
- How to Use the Secure Technology Alliance Use Case Template
- Example Use Case Interactions
- Alliance Resources Available Now

Register for the webinar at: https://attendee.gotowebinar.com/register/4477725226811143695
• Online knowledge assessment quiz available after each webinar in the series
• Participants in all four webinars and assessments receive a certificate and discounted registration to any future Alliance paid conference or educational event
• Assessment link:
  • https://www.surveymonkey.com/r/mDLQuiz1
Selected Resources

• **Mobile Driver’s License and Ecosystem**, Secure Technology Alliance Identity Council white paper and FAQ

• **Secure Technology Alliance Knowledge Center**
  https://www.securetechalliance.org/knowledge-center/

• **AAMVA Mobile Drivers License Resources**
  https://www.aamva.org/mDL-Resources/

• **Draft International Standard ISO 18013-5, “Personal Identification — ISO-Compliant Driving Licence — Part 5: Mobile Driving Licence (mDL) application”**
  https://isotc.iso.org/livelink/livelink?func=ll&objId=20919524&objAction=Open
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