Emerging Industry Issues & Trends

Policing & Mobile Driver’s Licenses: Redefining Safety and Identity Management

AAMVA Region I Conference
Portland, ME

2017
Unlocking the Ecosystem

Users

Authenticators

DMV

Law Enforcement

Other Gov’t Agencies
<table>
<thead>
<tr>
<th>Top Tier of Descriptors</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eliminates dealing with the DMV</td>
<td>73%</td>
</tr>
<tr>
<td>Accepted everywhere a physical license is</td>
<td>72%</td>
</tr>
<tr>
<td>Protects my identity</td>
<td>68%</td>
</tr>
<tr>
<td>Allows me to limit how much personal information I share</td>
<td>68%</td>
</tr>
<tr>
<td>Is the same as a physical license</td>
<td>67%</td>
</tr>
<tr>
<td>One-stop shopping for all my DMV needs</td>
<td>66%</td>
</tr>
</tbody>
</table>
Value Proposition to Users – Research Results

- Renew your driver license
  - Definitely/Probably Would Purchase: 68%
  - Extremely/Very Appealing: 70%

- Update your driver license
  - Definitely/Probably Would Purchase: 63%
  - Extremely/Very Appealing: 64%

- Confirm the identity of a police officer
  - Definitely/Probably Would Purchase: 61%
  - Extremely/Very Appealing: 62%

- Everyday use
  - Definitely/Probably Would Purchase: 61%
  - Extremely/Very Appealing: 61%

- Protect your privacy
  - Definitely/Probably Would Purchase: 60%
  - Extremely/Very Appealing: 59%

- Dynamic driver license
  - Definitely/Probably Would Purchase: 53%
  - Extremely/Very Appealing: 52%

- Notifications
  - Definitely/Probably Would Purchase: 49%
  - Extremely/Very Appealing: 46%
Value Proposition to LEO’s

Safety

Efficiency

Fraud Prevention
Value Proposition to LEO’s

Possible Use Cases

- Road Side Stops
- Emergency Management
- Crowd Control
- Road Checks
THE PEOPLE OF THE STATE OF CALIFORNIA DO ENACT AS FOLLOWS:

SECTION 1.

The Legislature finds and declares all of the following:

(a) A digital mobile driver’s license can assist law enforcement. A digital mobile driver’s license can help law enforcement determine if personal information is accurate and authentic. Currently, the primary means of validation in most scenarios is visual inspection of the physical card, but this requires an officer to have knowledge of out-of-state licenses in order to validate the validity of an out-of-state license. An officer in one state might not be familiar with the security features of another state’s driver’s license, which can make law enforcement’s job more complicated. **However, if states have a standard digital mobile driver’s license, then they can connect to each other’s secure back-end data and validate an out-of-state credential.**
LEO Operational Questions

- What if the driver will not handover the phone?
- What if the driver wish to use the phone to record the interaction?
- What if the driver wants to call or text during the traffic stop (ex. to lawyer)?
- What if the phone has a lock mechanism that would lock officers out before they are able to verify the mDL?
- What if the driver is unconscious (ex. crash scene)?
- What if the phone’s battery is dead or dies in the midst of the traffic stop?
- What if the screen is cracked and the mDL is unreadable / unscannable?
- What if the officer drops the phone?
- If the LEO uses her phone to scan a license, is phone subj. to subpoena?
## LEO Operational Questions

<table>
<thead>
<tr>
<th>Areas of Concern</th>
<th>Solutions?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver declines to provide phone / information / etc.</td>
<td></td>
</tr>
<tr>
<td>Phone is broken / battery dead / etc.</td>
<td></td>
</tr>
<tr>
<td>Liability</td>
<td></td>
</tr>
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How Do LEO’s Want to Interact With Mobile Technology?

<table>
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<th>Interactions</th>
<th>Solutions?</th>
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<tr>
<td>Without taking possession of a device</td>
<td></td>
</tr>
<tr>
<td>Without carrying new equipment</td>
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<td>Without reliance on a cellular / internet connection</td>
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</tr>
<tr>
<td>With interoperability</td>
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Solutions – SOP’s & Existing Statutes

- Will not handover the phone?
- Wants to record the interaction?
- Wants to call / text during the traffic stop?
- Phone locked?
Participation is optional

✓ All states

After opting-in:

- May possess either physical or digital:
  
  ✓ AR, LA

- If possession is digital, must also possess physical:
  
  ✓ VA, NY, Penn.

Must Display information on front, back, & driving status

✓ NY, Penn.

Means for authentication and verification:

✓ VA, TX, FL
Presentation of mDL is not de facto consent to search:

- FL, Penn., NY
  - Riley v. California, 573 U.S. 783 (2014)
    - Search of digital contents incident to arrest unconstitutional

Phone must be promptly returned

- NY, Penn.

Person who hands over the phone assumes liability

- FL
Solutions – Standards

Compatible w/ future standards & innovations

Backwards Compatible

Existing DL issuance processes

ISO
Solutions – Technology Examples

Remote Transmission Methods

- Cellular
- Bluetooth LE
- GPS
- NFC
- Wi-Fi Direct
- Apple Airdrop
- Google Nearby
Solutions – Technology Demo: Bluetooth LE

**LEO’s Screen**

**User’s phone alerts & chimes**

**Citizen’s Screen**

**Notification alert & request for information**

**Action is confirmed**

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**App locates mDL in range**

Trooper Jane Smith, State Patrol

Trooper Jane Smith of Highway Patrol would like your driver license information in order to look up your driver record.

Your information was sent

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Thank You!

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Government Mobile Solutions

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