Emerging Industry Issues & Trends

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

AAMVA Region II Conference
Chattanooga, TN
2017
Unlocking the Value
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
## Research Results – Use Cases

### Top Tier of Descriptors

<table>
<thead>
<tr>
<th>Description</th>
<th>%</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>
Research Results – Use Cases

- Renew your driver license: 68% Definitely/Probably Would Purchase, 70% Extremely/Very Appealing
- Update your driver license: 63% Definitely/Probably Would Purchase, 64% Extremely/Very Appealing
- Confirm the identity of a police officer: 61% Definitely/Probably Would Purchase, 62% Extremely/Very Appealing
- Everyday use: 61% Definitely/Probably Would Purchase, 61% Extremely/Very Appealing
- Protect your privacy: 60% Definitely/Probably Would Purchase, 59% Extremely/Very Appealing
- Dynamic driver license: 53% Definitely/Probably Would Purchase, 52% Extremely/Very Appealing
- Notifications: 49% Definitely/Probably Would Purchase, 46% Extremely/Very Appealing
How does law enforcement want to interact with mDL technology?

- Hands-free
  - Without taking possession of a device
  - Without carrying new equipment
- Without reliance on a cellular / internet connection
- With interoperability
Law Enforcement Use Case Questions

- 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 drivers wish to use the phone to record the interaction?
- What if drivers want to call or text during the traffic stop — ex. to lawyer?
- What if the driver will not handover the phone?
- What if the phone has a lock mechanism that would lock officers out before they are able to verify the mDL (ex: scan bar code)?
- What if the officer drops the phone?
- What if someone forwards mDL image from officer’s phone to non-LEO?
- What if the driver is unconscious (ex. crash scene)?
- If the LEO uses her phone to scan a license, is phone subj. to subpoena?
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.
Solutions – Legislative Examples

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
Solutions – Legislative Examples

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
Technology – Potential Solutions

Remote Transmission Protocols

– Cellular
– Bluetooth LE
– GPS
– NFC
– WiFi Direct
– Apple Airdrop
– Google nearby Messaging
**Technology – Bluetooth LE Demo**

**LEO’s Screen**

- **App Locates mDL in range**

**Citizen’s Screen**

- **Citizen phone alert chimes**
- **Notification details the alert and request for information**
- **Citizen’s action is confirmed**

...
Thank You!

Rob Mikell

404-732-4504

rmikell@morphotrust.com