

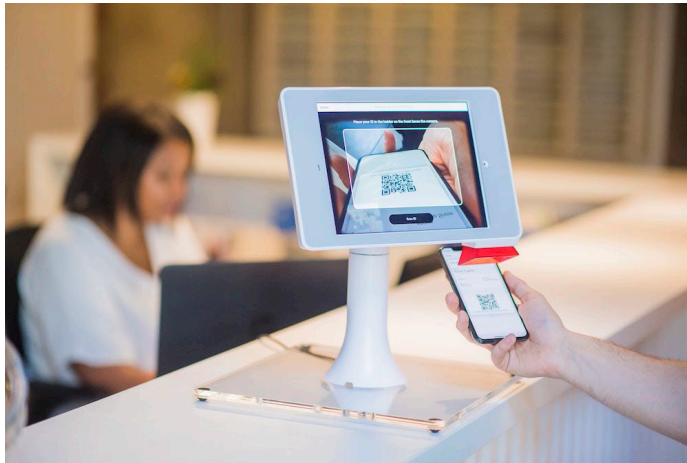
# **Credential Service Providers (CSP) Mobile Driver's License (mDL) Opportunity**

---



Science and  
Technology

## BACKGROUND



A Mobile Driver's License (mDL) is a digital representation of a physical driver's license provisioned to a mobile device. This new form of digital identity is gaining traction across the nation, though implementation varies by state. As mDL usage continues to grow, Credential Service Providers (CSP) have an emerging opportunity to streamline processes, reduce fraud, and improve equity through mDL usage.

Notional scanning of mDL.

Photo Source: [Proxyclick Visitor Management System](#) on [Unsplash](#)

## PURPOSE OF THIS DOCUMENT



This document outlines how third-party CSP, an important service required for large government systems and programs, conduct identity proofing using driver's licenses as a piece of evidence of identity. The analysis focuses on opportunities for federal agencies and CSP to work together to realize benefits from the adoption of mDL in identity proofing.

**View 1** suggests potential mDL solutions to address applicant pain points throughout the current CSP registration processes.

**View 2** elaborates on the potential use of mDL with people, process, technological and cross cutting considerations.



# PURPOSE OF THIS DOCUMENT



## Layout – View 1 (mDL Opportunities)



**Current State:** A high level depiction of the existing CSP registration process.



**Pain Points:** Challenges experienced by applicants throughout the CSP registration process that can be addressed with mDL.



**Potential mDL solutions:** Description and visual representation of potential mDL solutions to address the applicant pain points.



**Impacts:** Description of the improvements that would result from implementing the potential mDL solution.

## Layout – View 2 (mDL Implementation Considerations)



**People & Process Considerations:** List of people and process considerations and opportunities that would need to be addressed to implement the potential mDL solution.



**Technology Considerations:** List of technology considerations and opportunities that would need to be addressed to implement the potential mDL solution.



**Cross-Cutting:** List of overarching considerations that would need to be addressed to implement the potential mDL solution.

## Assumptions

The mDL issuers and verifiers will follow the standards, guidelines, and regulations identified below. This document is not intended to capture the entire NIST 800-63a IAL2 proofing flow. It only captures the parts relevant to mDL.

## Standards, Guidelines, and Regulations

- ISO/IEC 18013-5: Mobile driving license (mDL) application
- ISO/IEC 18013-7: Mobile driving license (mDL) add-on functions
- AAMVA Mobile Driver's License (mDL) Implementation Guidelines
- NIST SP 800-63-3 Digital Identity Guidelines

## Limitations

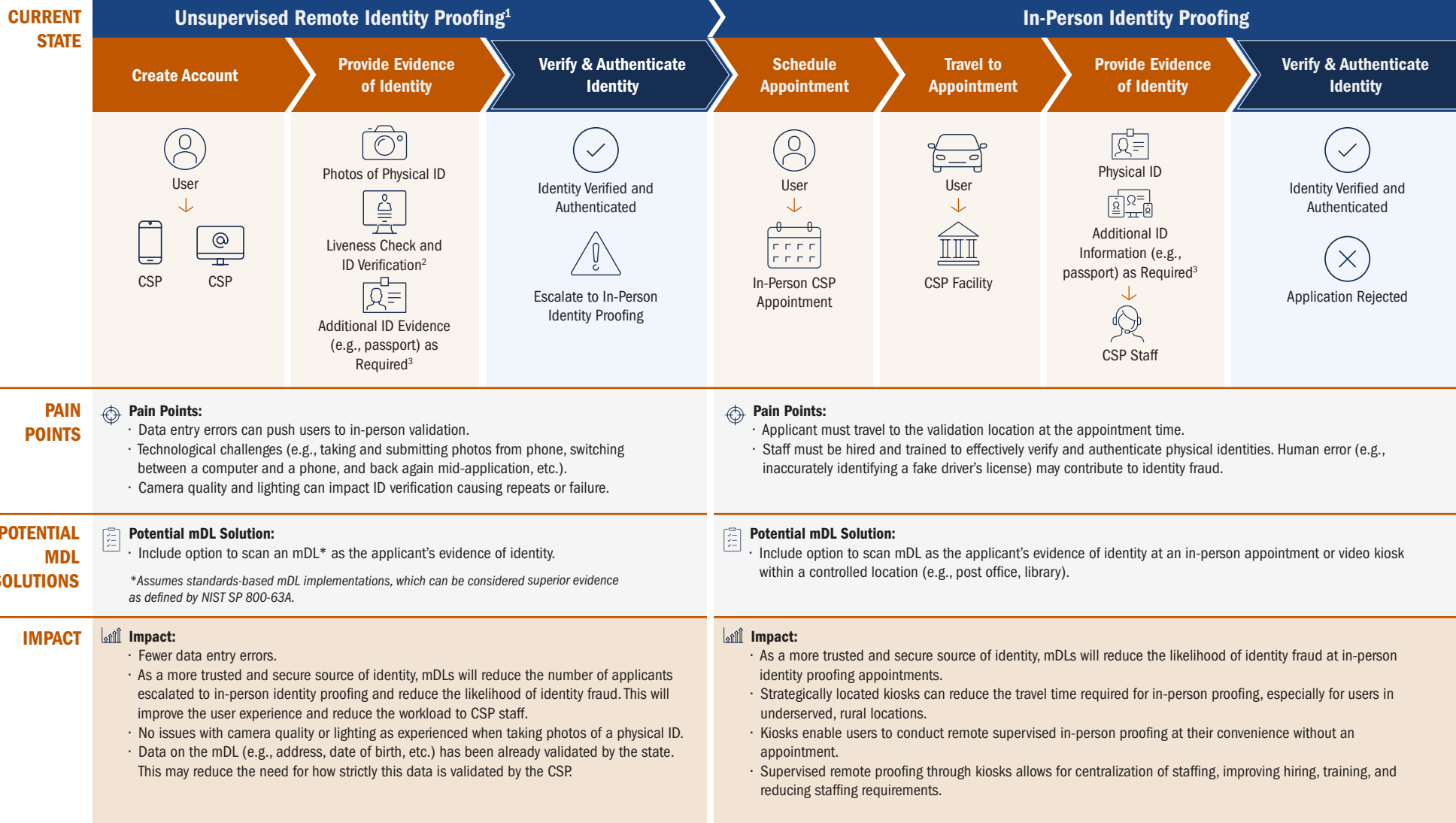
- ISO standards for unattended use cases (ISO/IEC 18013-7) are currently under development.
- This document was compiled with open-source information and interviews of some CSPs. Some nuance may exist across boutique CSP potentially not included in this analysis.

## Definitions

- This document uses the following definitions in alignment with NISP SP 800-63A.
  - **Validate:** Addresses that evidence is correct, genuine and identity exists in the world.
  - **Verify:** Matches a validated ID to the real person supplying the evidence.
  - **Proofing:** Successfully completing validation and verification.
  - **Superior Evidence:** An evidence of ID that the issuer followed procedures to have high confidence in the identity of the applicant, contains a photograph, biometric template, cryptographic protections, etc.



## View 1: mDL Opportunities



### Acronyms:

- CSP: Credential Service Provider
- ID: Identification
- ISO: International Organization for Standardization
- mDL: Mobile Drivers License
- NIST SP: National Institute for Science and Technology Special Publication

<sup>1</sup> CSPs may offer video assistance for any of the steps conducted for unsupervised remote proofing.

<sup>2</sup> When using video assistance, the liveness check and ID verification is conducted by a CSP agent as opposed to an algorithm.

<sup>3</sup> Whether additional ID evidence is required depends on the Identity Assurance Level (IAL). IAL3 requires at least two pieces of superior evidence

### Legend:

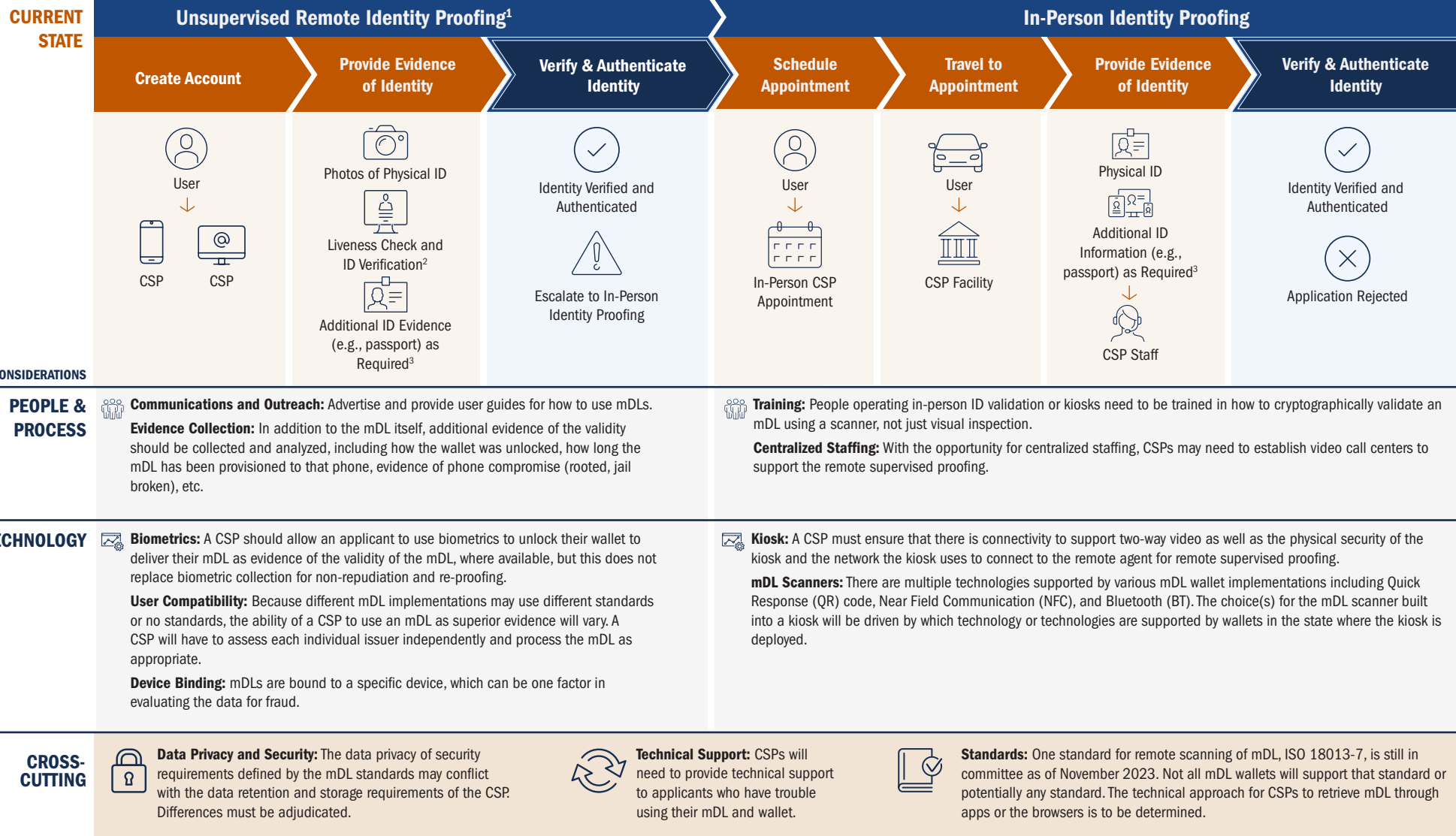
User

CSP



Science and Technology

## View 2: mDL Implementation Considerations



### Acronyms:

- CSP: Credential Service Provider
- ID: Identification
- ISO: International Organization for Standardization
- mDL: Mobile Drivers License
- NIST SP: National Institute for Science and Technology Special Publication

<sup>1</sup> CSPs may offer video assistance for any of the steps conducted for unsupervised remote proofing.

<sup>2</sup> When using video assistance, the liveness check and ID verification is conducted by a CSP agent as opposed to an algorithm.

<sup>3</sup> Whether additional ID evidence is required depends on the Identity Assurance Level (IAL). IAL3 requires at least two pieces of superior evidence

### Legend:

User

CSP



Science and Technology



# Engage with Us

---



@dhsscitech



[dhs.gov/scitech](https://dhs.gov/scitech)



Technologically Speaking Podcast



Science and  
Technology