

# IDWay - Citizen Digital ID

## Device-based approach (Mobile ID wallet)



Our device-based approach, so called Mobile ID wallet, leverages on either a governmental database or an eID document to derive and store digital ID attributes locally into a citizen's smartphone

### Preserving the root of trust

When it comes to implementing a digital ID program, protecting citizen data is paramount. Governments are best positioned to provide the highest level of confidence and security when creating digital identities.

To support them in their mission, IDEMIA offers digital ID solutions that are either based on already existing national databases and/or state-issued ID documents. A Mobile ID wallet device-based approach is particularly adapted for governments willing to step up their digital transformation and obtain the benefits from citizens' digital wallets.

At every step of the digital identity management process, IDEMIA brings its expertise and advanced technology tailored to the States' need to preserve the root of trust at enrollment, verification, issuance and authentication stages.

### Mobile ID wallet

The Mobile ID wallet transforms a citizen's smartphone into a digital wallet, enabling them to manage their identity attributes directly from their device.

Locally stored within each citizen's device, identity attributes can be selectively shared by the citizen, ensuring data privacy protection.

The solution strategically combines high technology with user convenience to provide a secure and frictionless ID authentication journey. It also enables governments to open new communication channels, personalizing their interactions with citizens.

To verify if a citizen is who they claim to be, the Mobile ID wallet solution integrates **IDEMIA biometric check solutions (Capture SDK/ Web Capture)**. These solutions perform face verification including liveness checks.

With a scalable design, the solution easily supports the deployment of new eServices.

### Benefits



#### Wallet opportunities

Gathering multiple digital IDs (driver's licenses, health cards etc.) within one single application

Easy integration

Scalable



#### Privacy-by-design

Data is securely stored within the citizen's device

No personal information is stored in Mobile ID wallet backend

Users control their identity and consent when sharing their attributes



#### Compliance

NIST1 800-63-Active and Passive Liveness iBeta Present Attack Detection (PAD) Level 1 and 2

ISO 18013-5 Mobile driver's license

Open ID Connect

### Why IDEMIA?

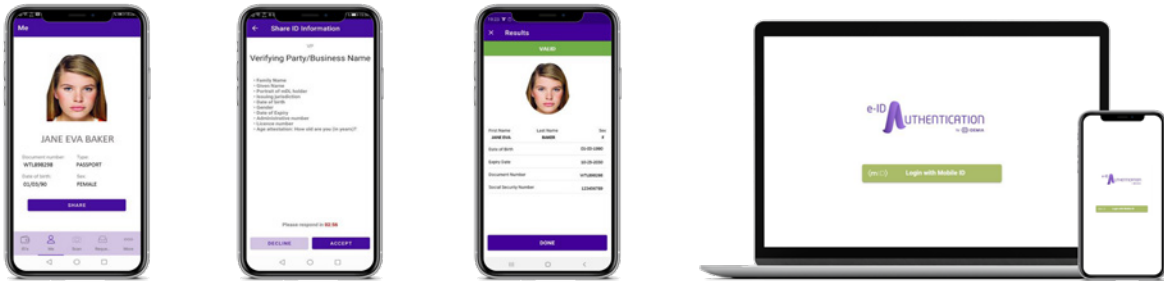
Long-standing experience in civil ID with over 135 customers and over 3 billion identity documents issued worldwide.

Extensive experience and solid reputation in biometrics with 40 years of experience in the field and multiple biometric-based projects.

Expertise in A.I., cloud solutions, cryptography, cybersecurity, advanced analytics and innovative sensors for biometric data capture.

Holistic approach to digital identity that is adaptable to local regulations and frameworks.

<sup>1</sup> National Institute of Standards and Technology



### Mobile ID wallet Citizen app

The Mobile ID wallet Citizen app and its related Software Development Kits (SDKs) host a secure, authenticated, fully functional digital credential supported by both Android and iOS smartphones. The end-user can apply or register to receive their digital credential either remotely or in-person. When registering remotely using the Mobile ID wallet Citizen app, a rich set of information is captured from the registrant using configurable workflows (e.g. ID documents, national ID numbers).

### Mobile ID wallet Verify app

The IDEMIA Mobile ID wallet Verify app and Software Development Kits (SDKs) enable in-person verification. Citizen identity attributes are automatically checked to ensure they have been rightfully issued by the public authority. The verification process ensures the data's origin to the verifier. The user can choose to only share necessary attributes (e.g. age verification).

### Mobile ID wallet Online services

Mobile ID wallet solution enables online authentication and online attribute sharing. After enrollment using the Mobile ID wallet, the citizen is automatically prompted to confirm their identity via the Mobile ID wallet Citizen app whenever they need to access an eService. This occurs when an authentication is required or to provide consent for attribute sharing.

### Mobile ID wallet usages

Usages can be various in both the public and the private sector. Mobile ID wallet can enable a person to open a bank account, fill taxes, access health services etc.—in person or remotely.

### Latest deployments

#### Mobile ID wallet in the United States :

- › **Oklahoma mobile driver's license:** the first digital US driver's license that is electronically verified against the state's Department of Public Safety (DPS)'s record system. It has been in deployment since November 2019.
- › **Delaware mobile driver's license:** The program was launched in 2021 in partnership with the Delaware Division of Motor Vehicles (DMV). It allows Delaware's 800,000+ licensed drivers and ID cardholders to use their smartphones to manage their identity from their smartphones.
- › **Arizona mobile driver's license:** The project was launched in 2021 in partnership with the Arizona Department of Transportation. It allows drivers to safely and securely render their license or identity using Mobile ID wallet.

**Colombia mobile ID wallet:** a nationwide digital identity infrastructure.



### Cutting-edge technology

- › QR code and Bluetooth Low Energy to meet the ISO 18013-5 specification
- › Issuing Authority attribute integrity checks
- › Signature check using cryptographic certificates
- › Certified by iBeta, NIST NVLAP accredited biometrics testing lab (NVLAP testing Lab Code 200962-0)
- › Biometrics test procedures that are independently audited by NVLAP (National Voluntary Laboratory Accreditation Program) in accordance with the ISO/IEC 17025:2017



### IDEMIA's digital identity solutions for governments

**Among others, this device-based approach is part of IDEMIA's Digital identity solutions for governments:**

- › A system-based approach
- › An eID-based approach