Digital Driving Permits

Global Forum for Road Traffic Safety, 85th Session
September 20th, 2022
Introduction
Digital Driving Permits Have Arrived
What is a Digital Driving Permit?
Benefits to Road Safety
Importance of Acting Now
Conclusion
Annex A: Glossary
Annex B: Global Status
Introduction
Dedicated agenda topic - 82nd Session

Action Item for AAMVA and EFA – 83rd Session
  • Educational paper
  • In preparation for exploring the creation of an information group

Educational paper (this presentation) delivered as Informal Document No 10
Digital Driving Permits Have Arrived
Why Digital Driving Permits

Why the move to digital?

- Difficult to Authenticate
  - Expensive security features / not enough features
  - Time consuming
  - Many versions to keep track of
  - Equipment needed

- Card Real Estate
  - Limited space
  - Need for new elements/indicators
  - Truncation of long names

- Driving Privilege Information
  - Snapshot in time
  - Driving after privileges were revoked

- Languages & Jurisdiction Data
  - Domestic language consumption
  - Differences in (domestic) data elements can be misunderstood

What problem are we solving?

Our Vision

Safe drivers | Safe vehicles | Secure identities | Saving lives!
What is a Digital Driving Permit?
mDL

Hello Abu

- Name: Abu Tanaka
- DOB: 1980-01-01
- Validity: 2022-03-22
- Code: A, BE

Share

mDL reader

Valid

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

OUR VISION
Safe drivers | Safe vehicles | Secure identities | Saving lives!
mDL is **NOT** a picture of the physical license on the device

Significant risk of counterfeits, and at scale
Similar to Contactless Payment Experience
Do you issue a mobile digital credential?

- Yes
- Planning to
- Talking about it
- No
Benefits to Road Safety
Road Safety Benefits

- Trust and Assurance
  - Uses cryptography
  - Clear result
  - Timely
  - No training needed

- Potential Future Benefits
  - Interaction with vehicle
  - Driver skills updates
  - Less burdensome issuance process

- Translation of Data
  - Display/convert/translate/map information
  - Easy to read and understand

- Data Freshness
  - Remote management
  - Push updated information
  - Remove driving privileges; leave identity

- No Space Limitations
  - No space limit for digital data
  - Accommodate more information
  - Accurate and complete
Importance of Acting Now
Legal acceptance requires many bilateral agreements

No global collection and dissemination of issuing authority public keys

Interoperability requires a common standard
Conclusion
WP.1 invited to comment on the following possible next steps to help unlock the road safety improvement potential of digital driving permits:

1) Alleviate the burden on individual countries of establishing many bilateral agreements

2) Become involved in the collection and dissemination of the public keys of digital driving permit issuing authorities (like ICAO does for passports)

3) Ensure interoperability by recognizing ISO/IEC 18013-5 as the common technical standard for digital driving permits
Annex A: Glossary
Terms and Abbreviations
Annex B: Global Status
Country

Issues digital permit?

Standard used, or that will be used

What needs to be in place for verifiers to read and authenticate?

What is desired to be in place to trust digital permits from other countries

Other remarks/Notes
Contact Information

Mindy Stephens
mstephens@aamva.org

Manuel Picardi
manuel.picardi@efa-eu.com

Loffie Jordaan
ljordaan@aamva.org