

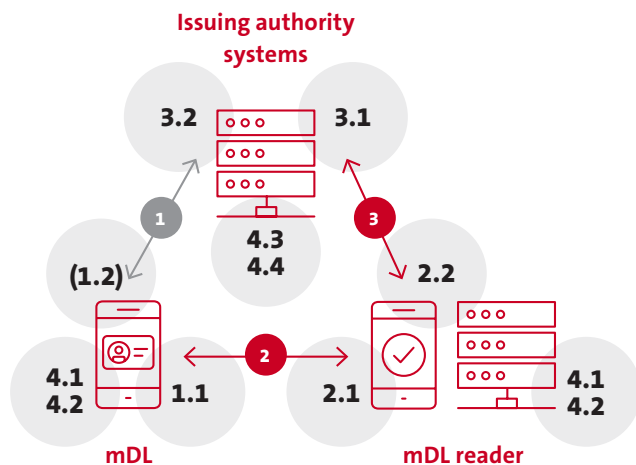


UL Solutions eID Services

As the global leader in testing and compliance, the UL Solutions Family of Companies delivers certification services through specific certification bodies. These certification bodies operate under their own authority, independent from government organization, are compliant with ISO/IEC 17065 and can be accessed by all those who fall within the scope of operations. UL Solutions has set up an eID Scheme with Testing Labs to evaluate products and certify solutions for ISO/IEC 18013-5:2021 compliance.

Who this service is for

This service can be used by solution providers working toward the implementation of a mobile driver's license (mDL) or mDL reader application, conforming to ISO/IEC 18013-5:2021, the international standard for digital and mobile driving licenses.



eID Scheme services

UL Solutions offers independent test services for conformity to ISO/IEC 18013-5:2021 for solution providers of mDL applications or mDL reader applications. Upon successful evaluation of the solution under test, UL Solutions will issue a certification of the solution under test. UL Solutions will also deliver the UL Mark to the certified solution, which can be used to show full compliance to ISO 18013-5.

1.1 UL Solutions mDL application certification – Testing mDL conformity to ISO/IEC 18013-5 on its interface to the mDL reader.

- 1.1.1 – Functional conformity testing on the session and application layers.
- 1.1.2 – Personalization conformity testing on the data layer.

2.1 UL Solutions reader application certification – device retrieval conformity test service

Testing the mDL reader's conformity to ISO/IEC 18013-5: functional conformity testing on the session and application layers of the interface to the mDL.

2.2 UL Solutions mDL reader – server retrieval conformity test service

Testing the mDL reader's conformity to ISO/IEC 18013-5: functional conformity testing on the session and application layers of its interface to the issuing authority infrastructure.



UL Solutions Test Suites

To prepare for certification, we recommend performing quality assurance tests on the system under test. UL Solutions offers the UL Solutions mDL Application Test Suite and UL Solutions mDL Reader Test Suite. A test standard for ISO/IEC 18013-5 is currently under development, and UL Solutions is actively contributing to the forthcoming ISO/IEC 18013-6 standard. UL Solutions mDL Test Tools will be kept compliant to the latest (draft) version of ISO/IEC 18013-6. UL Solutions Test Suites are powerful test tools available for developers and testers to test in a stable environment in which repeatable tests can be performed on their mDL implementation.

Key benefits

- Off-the shelf test suite
- Easy-to-use, intuitive user interface ISO 18013-5 Interface 2 and 3 testing
- Ability to share test results with other interested parties
- Support for elliptic curve public key infrastructure (PKI) cryptography
- Test environment supports any Android 10 handset

The process

This service includes test runs on a maximum of four devices, with two running Android-based applications and two running iOS-based applications. Before certification can begin, an Implementation Conformance Statement (ICS) form must be filled out to define the scope of certification. The application is then shared with UL Solutions testing laboratory via Test Flight or MS App Center, as well as any relevant operating instructions. Additionally, UL Solutions requires test certificates to perform relevant security mechanism testing.

Once all required materials have been submitted to UL Solutions, the Test Laboratory will begin testing. After two weeks, UL Solutions will provide a report detailing a “pass” or “fail” result for each test case. Upon successful evaluation of the implementation under test, UL Solutions will deliver two Certification Test Reports – one for Android and one for iOS – detailing the test scope and results and confirming conformity of the evaluated implementations with ISO/IEC 18013-5. UL Solutions will also deliver the UL Mark to the certified solution, which can be used to show full compliance to ISO/IEC 18013-5. Additionally, UL Solutions provides a promotional badge which can be used in marketing materials.



UL Solutions is a key partner in understanding the digital credential landscape and how to best leverage digital credentials in the solutions you provide to your customers. We offer independent training, strategic advisory, testing, certification and cybersecurity evaluation services for mobile driver’s licenses (mDLs) and other forms of electronic identification (eID).

For more information, visit [UL.com/eID](https://ul.com/eID).



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