



Engage UL's unmatched mDL expertise for success

Empowering trust in mDL solutions, UL provides independent training, advisory, testing, certification, and cybersecurity evaluation services.

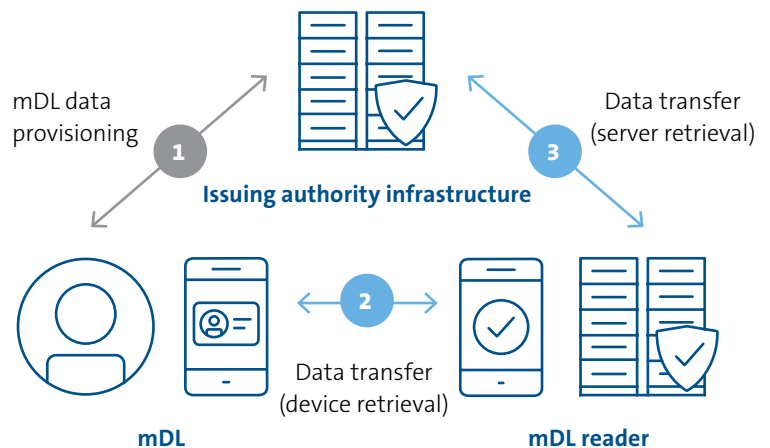
mDL technology vendors working with UL demonstrate the confidence they have in their mDL solutions, unafraid of critical, independent third-party review.



mDL Advisory and Education Services

Mobile driver's license (mDL) is a topic that is still relatively new to many. Education therefore is key. UL's technical training and implementation workshop led by our independent experts allows for all stakeholders to start their mDL journey informed. Our advisors provide continued guidance and education along the way.

Figure 1: The mobile driver's license (mDL) ecosystem



Certification and interoperability testing

UL offers independent test services for conformity to ISO/IEC 18013-5:2021, cybersecurity assurance of the applications and the network, as well as state-specific use case testing. In the overview that follows, we share our detailed service offering. The numbering of the individual services corresponds to the diagram displaying the systems and interfaces under test.

1.1 UL's mDL application conformity certification:

testing mDL's conformity to ISO/IEC 18013-5:2021 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's mDL reader – server retrieval conformity test service:

testing the mDL reader's conformity to ISO/IEC 18013-5:2021 functional conformity testing on the session and application layers of the interface to the mDL.

2.2 UL's mDL reader – server retrieval conformity test service:

testing the mDL reader's conformity to ISO/IEC 18013-5:2021 functional conformity testing on the session and application layers of its interface to the issuing authority infrastructure.

The test cases are run on the four designated devices, two Android based devices and two iOS based devices. After two weeks, UL will provide a test report detailing a pass or fail result for each test case.

Upon successful evaluation of the implementation under test, UL will deliver two Certification Test Reports, one for Android and one for iOS, detailing the test scope and test results, confirming conformity of the evaluated implementations with ISO/IEC 18013-5:2021. UL will also deliver the UL Mark to the certified solution, which can be used to show full compliance to ISO 18013-5:2021.

Additionally, UL provides a promotional badge which can be used in marketing materials.

CYBERSECURITY ASSURANCE

Obtain assurance of the security of your mDL solution by having an independent third party perform a security evaluation.

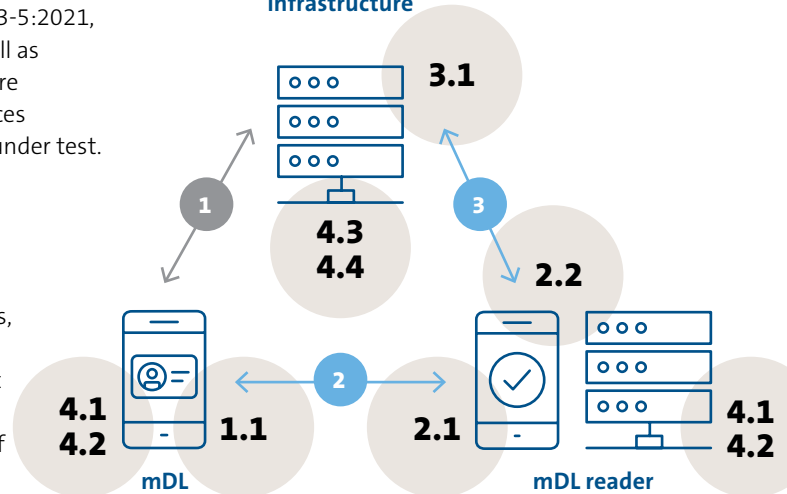
4.1. mDL app cybersecurity assessment:

UL reviews the secure functioning of the application, focusing on the protection against cloning, forging or theft by malicious applications, compromised phones or through data leakages.

4.2. mDL app penetration test:

UL validates the resistance of the application against malicious environments and handsets and validates that security controls are enabled.

Issuing authority infrastructure



4.3. mDL backend cybersecurity assessment:

UL validates the security of the mDL backend environment in light of security best practice guidelines. This includes creation of security checklists and assessment of configuration of systems and services via review of settings and personnel interviews.

4.4. mDL backend penetration test:

UL evaluates the security of the backend infrastructure by simulating an attack from a malicious source and provides assurance that critical systems and applications have a reasonable level of resistance against critical threats.

For your sales enquiries, please contact us at imsecurity@ul.com, visit [UL.com/eID](https://ul.com/eID).



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