



Engage UL's unmatched mDL expertise for success

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

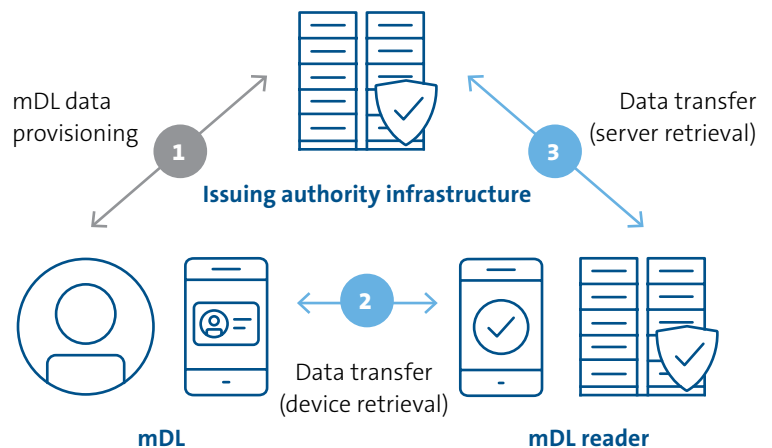
mDL technology vendors working with UL demonstrate the confidence they have in their mDL solutions, unafraid of critical, independent third-party review.



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



Conformity and interoperability testing

UL offers independent test services for conformity to ISO/IEC 18013-5, 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

test service: testing mDL's 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's mDL reader – 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's 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.

3.1 UL's mDL issuing authority

infrastructure conformity test service: testing the mDL issuing authority infrastructure's conformity to ISO/IEC 18013-5 on its interface to the mDL reader

3.1.1 mDL server retrieval functional conformity testing on the session and application layers

3.1.2 mDL server retrieval conformity testing on the data layer

CYBERSECURITY ASSURANCE

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

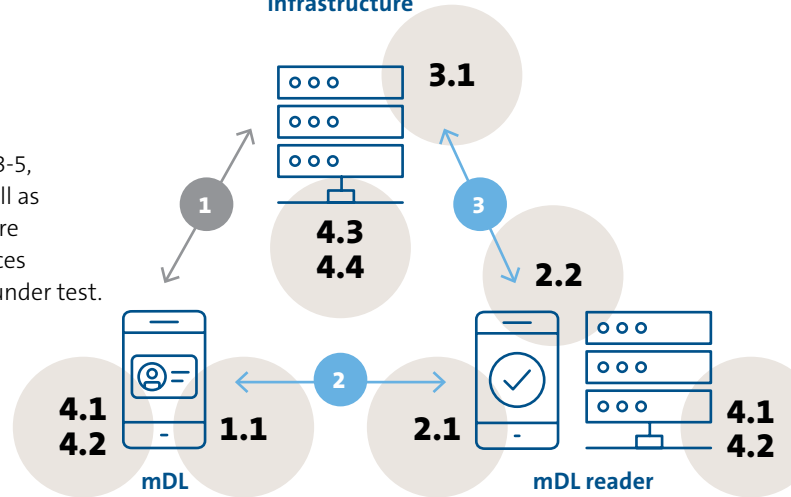
4.1. mDL app cybersecurity

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.

To speak to an expert about your mDL implementation, visit [IMS.UL.com/mDLinfo](https://www.ims.ul.com/mDLinfo).



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