

# mDL Application Test Suite

Test the functionality of a mobile driver's license application.

## Overview.

With **mDL Application Test Suite**, you can test your mDL holder application implementation by simulating an mDL reader to test compliance to ISO 18013-5, Personal identification – ISO-compliant driving licence – Part 5: Mobile driving licence (mDL) application, using the ISO 18013-6 test specification.

## Validate your mDL holder application implementation against ISO / IEC 18013-5.

The **mDL Application Test Suite** will be kept compliant to the latest (draft) version of ISO/IEC 18013-6. The test suite also allows you to validate that the mDL holder application has been personalized correctly.

## How it works.

**mDL Application Test Suite** reuses the transport layer capabilities of any Android 10 handset to engage with and test the transfer of mDL credentials from the device containing the mDL application to the test suite.

Fime can help you at any stage of your project lifecycle.

Define

Design

Deliver

Test



Mobile driver's license application test suite.

## Key benefits

- Easy-to-use and intuitive user interface.
- ISO 18013-5 Interface 2 testing.
- Ability to share test results with other interested parties.
- Support for elliptic curve PKI cryptography.
- Test environment supports any Android 10 handset.

## Key features

- Connects to Android application on the handset via Android Debug Bridge (ADB) to send and receive the test data to and from the device.
- Supports full ISO 18013-5 device engagement testing via NFC or QR code.
- Supports ISO 18013-5 mDL credential transfer testing via NFC, BLE and Wi-Fi Aware.

## Libraries.

ISO	ISO/IEC 7816-3:2006
	ISO/IEC 7816-4:2013
	ISO/IEC 14443-2:2016
	ISO/IEC 14443-3:2016
	ISO/IEC 14443-3:2018
	ISO/IEC 14443-4:2018
	ISO/IEC 18004:2015
	ISO/IEC 18013-1:2018
	ISO/IEC 18013-2:2008
	ISO/IEC 18013-3:2017
NFC	NFC Forum, Bluetooth Secure Simple Pairing Using NFC, NFCForum-AD-BTSSP_1_2
	NFC Forum, Connection Handover
	NFC Forum, Technical Specification - NFC Data Exchange Format (NDEF)
Wi-Fi Alliance	Wi-Fi Alliance Neighbor Awareness Networking Technical Specification, Version 3.0

## What's in the box?

- Full coverage of the ISO 18013-6 test specification.
- Device engagement testing via NFC or QR code.
- mDL device retrieval (offline) testing via NFC, BLE and Wi-Fi Aware.
- Connectivity for testing provided by Fime's Android proxy application using ADB.
- Easy-to-read and configurable test results that can be saved and shared mDL Interfaces.
- Support for ISO 18013-5 Interface 2 testing.

## Technical specifications.

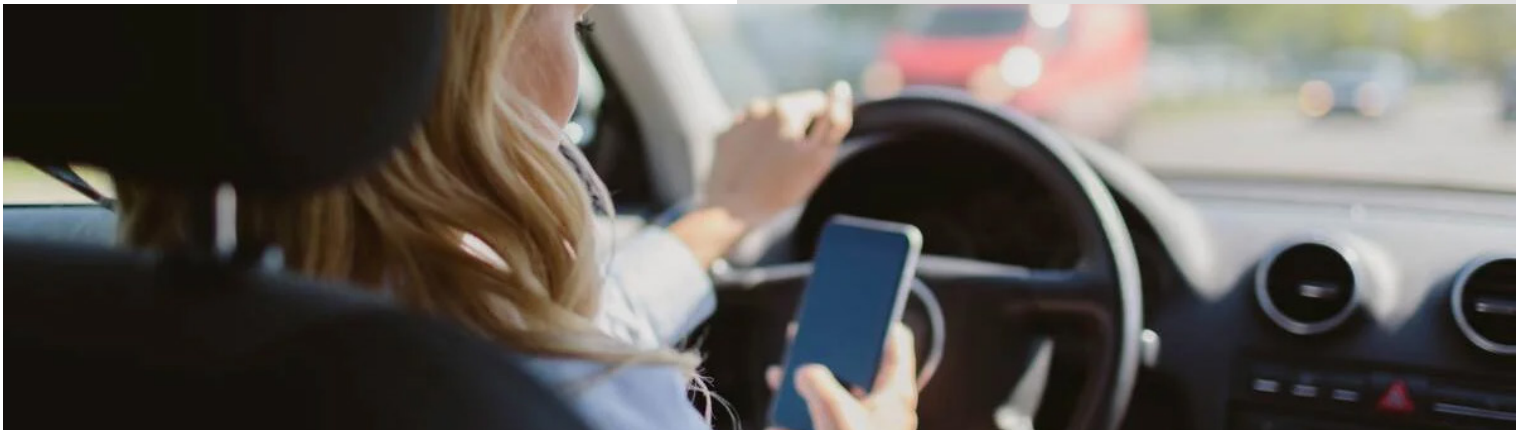
### Hardware.

Any Android 10 handset is required to be provided by the customer. No additional Fime test hardware is needed. If Wi-Fi Aware is not required a minimum of Android 7 can be used.

### Conclusion Test Manager.

mDL Reader Test Suite runs on Conclusion Test Manager.

- Conclusion Test Manager is a user-friendly test management application.
- Conclusion Test Manager consists of a test engine that can create and send messages in many variations via several interfaces to the system under test. It also includes a cutting-edge test management system to manage the entire test process and provides configurable test execution and test results.



## Contact

To learn more about how Fime can help your business:

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