

Mobile Application Test Tool

Clear2Pay Open Test Solutions

Product Description

Mobile Applications such as Mobile Payments are on the verge of changing the way we live. The potential is huge, but to make the mobile dream a widespread reality, suppliers need to gain the consumer's unconditional trust in mobile technology.

The Mobile Application Test Solution, built on Integri technology, enables Mobile Application Vendors and Mobile Issuers to launch convenient, secure and trusted Mobile Payment Applications. The Solution also enables to test whether the Visa Europe Mobile User Interface Requirements are met.

Product Features and Benefits

The Test Solution is a complete, packaged solution including a contactless Point-of-Sale Simulator, a Mobile Gateway Simulator and a Webcam. It allows running a set of pre-defined Test Cases, imposed which enable to check the Mobile Application's User Interface and the Over-The-Air communication with the Mobile Issuer Host.

- Mobile Application Vendors can use it as a benchmark tool during the development phase of their applications.
- The Test Tool eases the Mobile Application Vendor and Mobile Issuer certification process: a test output file replaces the time-consuming burden of sending mobile phones back and forth to Certification Laboratories.
- It relieves Mobile Application Vendors and Mobile Issuers of the demanding and specialist task to build their own specific test environment
- The Solution enables a standard approval process
- Ensures high quality, uniform Mobile Applications - essential for consumer confidence

How it works (example case)

A typical **Mobile Solution** in the Handset is composed of 2 main parts:

- The Mobile Payment Application (MPA): hosted in the Secure Element, responsible for the core payment functionality
- The Mobile Application (MA): hosted in the Handset Operating System, provides the user interface and over-the-air communication with the Mobile Gateway.

The **Clear2Pay Mobile Application Test Tool** is a user-friendly solution enriched with a dedicated Graphical User Interface. The Tool features different components:

- Test Preparation Module:
 - Definition of the applicable test cases
 - Configuration of communication streams to the PC/SC card reader
 - Configuration of the Mobile Gateway Simulator
- Test Execution
 - Runs the automated Test Script Library
- Test Analysis
 - Verifies the test results
 - Generates a test output file (report) used for debugging and certification
- User Manual
- Development Editor
 - True development environment

