

INQ[®] End-to-End Mobile Platform

SIM, Handset and m-Application testing

Out of the box testing



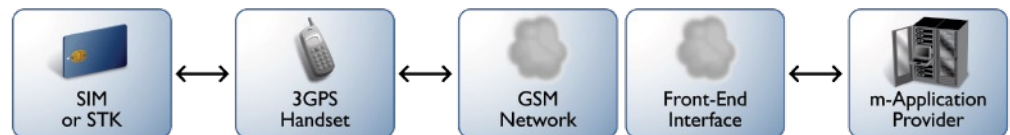
Integri's INQ[®] End-to-End Mobile Platform caters to all the different testing needs of SIM technology. This brochure covers the system configurations and off-the-shelf tools available from Integri for SIM, handset and m-application testing.

Mobile Technology Testing

When testing SIM cards, handsets and mobile applications, quality assurance is critical. To avoid replacement costs, operators and vendors must be sure that smartcards and handsets are of high quality and fully conform to the appropriate standards - before they start distribution and installation. Integri's INQ® End-to-End Mobile Platform can be configured for testing all the different aspects of your mobile application.

Live Environment

The live mobile environment is composed of the SIM or SIM Toolkit network and front end, and possibly the m-Application provider.



Card Test Configuration

In this configuration, the SIM card under test is connected to the test platform. Tests can be executed interactively or automatically. This configuration enables easy non-regression testing with the possibility to analyze differences between test runs.



Handset Test Configuration

Here, the handset is the unit under test. The INQ End-to-End Mobile Platform simulates the SIM card and guides the operator through the different scenarios. The normal behavior of the SIM card can easily be modified to test different personalizations or to simulate errors such as time-outs, different response codes, wrong cryptograms, etc.. Optionally the environment can be extended with a 3rd party network simulator.



Benefits

- Allows in-depth functional testing of SIM card before card production
- Offers both interactive and automated testing
- The same tool can be used in different configurations: SIM testing, handset testing, m-application testing, integration testing
- Improves quality, reduces the risk of faulty SIMs and handsets and avoids replacement costs
- Off-the-Shelf Test Suites are available for all relevant 3GPP standards and are delivered with open source code.
- Tailor Made Test Suites can be prepared by your team or by Integri
- Experienced team available to help you in customization and test services.

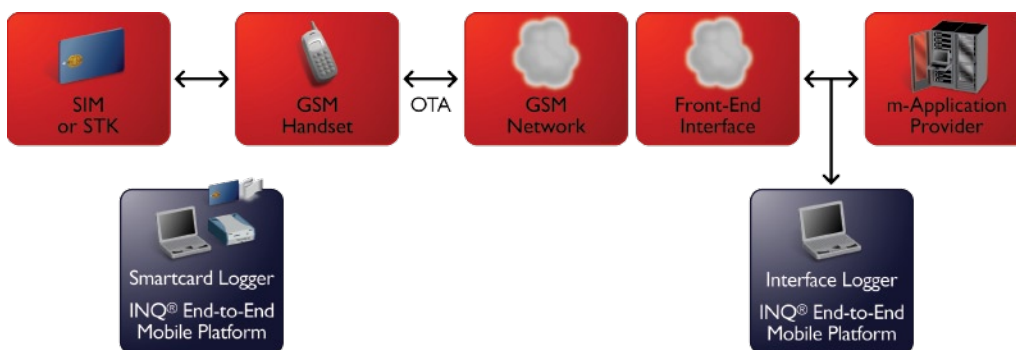
m-Application Test Configuration



To test an m-application, the INQ End-to-End Mobile Platform is connected to the m-Application Provider. Depending on the nature of the application, the platform might make use of a SIM simulator or even a live SIM card.

Integration Test Configuration

This logger configuration provides you with a powerful and flexible tool for visualizing the smartcard-to-handset or m-application interface. The tool enables full tracking of the complete transaction and reporting of detected protocol errors. It is indispensable for analyzing errors in a live environment.



Out of the box testing



Testing and Test Tools... out of the box testing

Specializing in simple-to-use test tools and services for payment, smartcard and mobile applications, Integri offers an approach that's 'As easy as it looks'. It's the key to achieving overall project quality on schedule and within budget. The Integri tools are based on the INQ® Open Platform. INQ® can easily be customized or adapted to your specific needs.

Integri offers also a number of dedicated platforms for specific applications:

INQ® End-to-End Payment Platform

To test the different units of a payment system (card, terminal, acquirer, network and issuer).

INQ® End-to-End Mobile Platform

To test handsets, SIM cards and mobile applications in the 3GPP world.

INQ® Stress Platform

To test host behavior under heavy stress and load conditions.

INQ® Level 1 Platform

To test the level 1 protocols between contact and contactless smartcard and terminal.

More information on www.integri.com or mail us info@integri.com



a Clear2Pay company

Integri is a wholly owned, autonomous business unit of Clear2Pay, an international financial technology company focused on delivering globally applicable solutions for secure, timely electronic payments. Clear2Pay operates from 13 international offices and currently employs over 400 staff.

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