

# INQ<sup>®</sup> Open Platform

## Customized Solutions

Out of the box testing



Integri provides an extensive range of testing solutions for payment, smartcard and mobile applications, based on its INQ<sup>®</sup> Open Platform. INQ<sup>®</sup> is a powerful test tool development platform with several components that can be used in both off-the-shelf and customized solutions. To help you get the most out of INQ<sup>®</sup>, our Customer Solutions Team provides a range of training, consultancy and customization services.

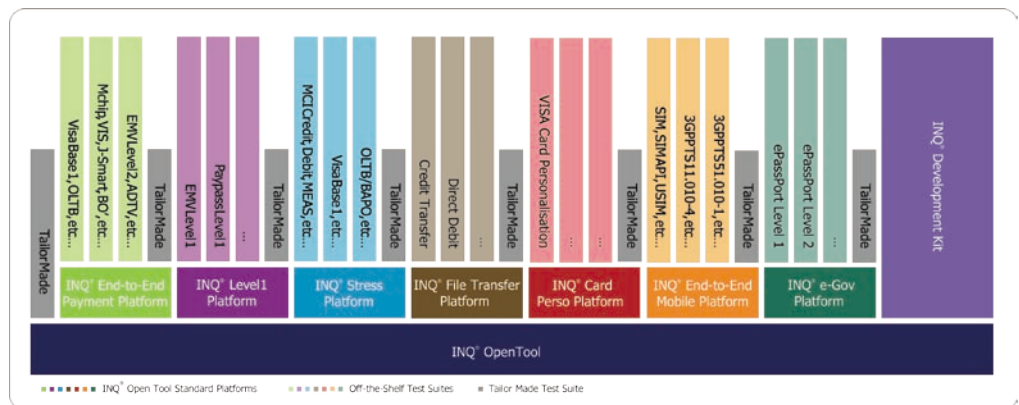
## INQ® Open Platform

The Integri test tools are all based on the Integri INQ® Open Platform. This can be considered a test tool development platform (just as Microsoft Excel® can be considered a platform for spreadsheets) and allows the user to program simulators, write test scripts and run tests. The open INQ® can thus be customized or adapted easily, giving you the freedom to tailor an INQ® project to your specific needs. There is no hard-coded behavior and the project source code is open, making it easy to define new test configurations, add new tests and test scripts, or update the tool to support new or changed specifications.

INQ® can be used for different purposes:

- To simulate the behavior of a unit (card simulator, host simulator, terminal simulator...)
- To prototype an environment (for demo, for checking the specifications, for training purposes...)
- To test a unit (card test tool, terminal test environments, host test tools...)
- To simulate the back-office application (e.g. clearing and settlement systems)
- To analyze message logs and clearing files, etc.

Alongside the open INQ® platform, Integri offers a number of dedicated platforms for specific applications, each with a number of off-the-shelf Test Suites. The test suites are fully prepared solutions that include simulation and test scripts, and are based on international open standards.



The following is a selection of our standard platforms:

- **INQ® End-to-End Payment Platform:** to test the different units of a payment system (card, terminal, acquirer, network and issuer) in an integrated environment
  - Authorization Protocol Test Suites
  - Terminal-to-Acquirer Interface Test Suites
  - EMV Card Simulators Test Suites
- **INQ® Level 1 Platform:** to test the level 1 protocols between smartcard and terminal
  - Card and Terminal Test Suites
  - Contact and Contactless Test Suites
- **INQ® Stress Platform:** to test the issuer and acquirer behavior under stress
  - Volume (100 transactions per second and more)
  - Load (1000 parallel terminal connections and more)
- **INQ® End-to-End Mobile Platform:** to test handsets, SIM cards and mobile applications
  - Handset Test Suites
  - SIM Card Test Suites
  - Mobile Application Test Suites

Please ask your Integri representative for more details.

## Building Tailor Made Test Suites

If the above Platform and Test Suites do not meet your requirements, Tailor Made Test Suites can easily be built. Individual modules and even the user interface can be customized to meet any testing need. The INQ® platform is provided with complete documentation to guide users in creating specialized test suites themselves.

Further, our Customer Solutions team offers a wide range of training possibilities to help you work with the INQ® Open Platform and tailor it to meet your needs. We organize open sessions on a regular basis and offer courses as an integral part of development projects. Depending on your specific needs and the number of participants, sessions can be held at your offices or at Integri. Our experienced consultants will guide you through the course including both theory and practical examples.

We can also develop the Tailor Made Test Suite on your behalf. Our team is intimately familiar with INQ® and can quickly tailor it to meet your specifications.

In either case, developing a test suite for a given specification is straightforward and includes the following steps.

1. Analysis: analyzing the specification and designing the test environment, preferably with an end-to-end concept – typically this stage includes the preparation of a test list comprising all the test cases to be covered by the tool
2. Interface development: the protocol and message formats are entered into INQ® so the tool can correctly generate (compile) and receive (parse) messages from the unit under test
3. Business logic: the tool processing is extended to include the business logic such as the control of value sets, the checking of inter-field and inter-message relations (cross-edits) etc.
4. Test scripts: coding of test scripts covering all test case defined in step 1

Out of the box  
testing



## About Integri

Integri specialises in test tools and test services for payment, ticketing and mobile applications. Alongside the open INQ platform, Integri offers a number of dedicated platforms for specific applications, each with a number of Off-the-Shelf Test Suites. These test suites are fully prepared solutions that include simulation and test scripts and are based on international open standards. Integri employs 45 staff, has +150 customers and sold +2000 licenses in 35 countries since its inception in 1992. Integri is located in Belgium, France and the US. Integri's clients are mainly financial institutions, smartcard manufacturers, terminal manufacturers, ticketing operators, mobile operators and system integrators active in e- or m-business.

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.

More information on [www.integri.com](http://www.integri.com) or mail us [info@integri.com](mailto:info@integri.com)



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### **Integri headquarters**

Leuvensesteenweg 325/3  
B-1932 Zaventem  
Belgium  
P: +32 2 717 69 00  
F: +32 2 717 69 67  
E: [info@integri.com](mailto:info@integri.com)  
W: [www.integri.com](http://www.integri.com)