



**Integri**

a Clear2Pay company

# UICC and USIM API Test Suites

INQ<sup>®</sup> End-to-End Mobile Platform

## Description

3G, the third generation of telecommunication hardware standards and general technology for mobile networking, offers a wide range of advanced services such as video telephony and high-speed internet access. These 3G mobile phones use a specific UICC card incorporating a USIM application.

Integri's UICC and USIM API Card test suite is the key tool to verify whether your UICC and USIM application card correctly accepts Over-the-air (OTA) uploads of JAVA applets. The solution is indispensable for SmartCard Manufacturers and Network Operators who want to ensure their products are of the highest quality, always. Moreover, the tool guarantees that your cards are compliant to the ETSI recommendations.

## How it works

ETSI, the European telecommunications standardization body, defined a set of scenarios that describe how network operators should update their cards over-the-air. This set also specifies the different updates that should be enabled. Integri's UICC API & USIM Test Suites enable a straightforward verification of these ETSI scenarios. The tool replaces an OTA simulator and enables verification of the updates on your USIM/UICC cards.


The solution also includes an application loader that enables to securely load scenarios and applets on the card using cryptography. Additionally, the tool contains a built-in converter for translation of your JAVA scripts into APDU.

The PC-based software solution simply needs a card reader.

## Benefits

- Ensures high quality 3G cards
- Guarantees compliance to ETSI recommendations
- Essential for debugging
- Verification of your OTA applet loading
- Checks the file structure and content of your 3G card
- Loads your applets and converts them to APDU
- Enables to write and load your own Card Application files
- Avoids manual interaction: automated test solution
- Comprehensive log included
- Add your own test suites or customize using INQ<sup>®</sup> Open Test Platform

Out of the box testing



Network Operator



3G Handset



UICC - USIM



OTA



OTA update ETSI  
Java scenarios

Test tool on INQ®

- SW simulator OTA
- Loader



PCSC reader

C APDUS  
R APDUS



### Reference Documents

- 3GPP TS 31.213
- ETSI TS 102.268

### Product Family

Requires the INQ® End-to-End Mobile Platform

[www.integri.com](http://www.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.

#### 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)