



a Clear2Pay product

NFC Poll Device Test Suite

Integri End-to-End Level 1 Platform

Near Field Communication (NFC) is still a relatively young technology. It enables fast and secure short-distance data transfers between devices such as mobile phones, smart phones, PDAs, camera's,... just by bringing devices and tags close together.

The dawning of the NFC era opens up a whole new range of business opportunities: it's a technology with an enormous potential and the possibilities are endless. Commercial introduction of the technology will significantly simplify the way consumer devices interact with one another, helping people speed up connections, receive and share information and make fast and safe payments. However, the interconnectivity devices and tags need to be accurate and interoperable. To guarantee this, all NFC equipment needs to be compliant with the ruling NFC Forum specifications.

Clear2Pay's Integri Test Solutions are approved by the NFC Forum.

Our test tools are key for the validation of products based on NFC Forum specifications and enable to go-to-market fast with secure, interoperable and high quality solutions. The tools are to be used by official NFC Forum certification laboratories, and available for your debugging and in-house pre-certification needs.

Are you looking to introduce NFC? Clear2Pay has the expertise, trainings and test tools.

Your benefits

- **Essential:** validate your NFC devices based on NFC Forum specifications
- **Fast time-to-market:** prepare your NFC products now for official NFC Forum certification
- **Ultimate flexibility:** tools are built on proprietary Open Test Framework allowing to add tests or modify to your specific requirements
- **Robust:** field-proven technology used by renowned global companies such as MasterCard, Giesecke & Devrient, Gemalto, Visa,...
- **Trusted:** Integri Test Tools are built on +19 years of experience
- **Customer confidence:** enables to deliver the highest possible quality NFC products
- **Gain time:** automated test solutions
- **Prototyping options:** simulate specific situations and check the impacts
- **Durable solution:** Updates provided automatically till the first certified certification if any specs changes

NFC Poll Device Test Suite Features

This test tool covers all test cases defined for the 1st wave of certification related to the NFC Forum Digital Protocol Technical Specification.

Poll NFC A:

- NFC-A Exchange and timings measurement during Installation
- NFC-A Installation with different NFCID1 sizes
- NFC-A Installation with collision during Collision Resolution
- NFC-A Installation with Protocol, Transmission and Time-Out Errors



Clear2Pay is an
NFC Forum Partner



Out of the box testing



Poll NFC-B:

- NFC-B Exchange and timings measurement during Installation
- NFC-B Exchange with the minimum and maximum Frame Delay Time
- NFC-B Exchange with the minimum and maximum character to character delay
- NFC-B Exchange with the supported SoS and EoS
- NFC-B Installation with Collision Resolution
- NFC-B Installation with Protocol, Transmission and Time-Out Errors

Poll NFC-F:

- NFC-F Exchange Frame Format and Timings measurement during Installation
- NFC-F Installation Timing measurement

Poll T4AT:

- T4AT Exchange and Timings measurement
- T4AT Exchange with the minimum and the default maximum Frame Delay Time
- T4AT End of Activation with supported values of the TA, TL, SFGI, TC
- T4AT Error Free chained and non-chained I-Block Transmission
- T4AT Error Free request for Frame Waiting Time Extension
- T4AT Protocol, Transmission and Time-Out Errors

Poll T4BT:

- T4BT Exchange and Timings measurement
- T4BT Exchange with the minimum and the default maximum Frame Delay Time
- T4BT Exchange with supported SoS and EoS
- T4BT Exchange with the minimum and the maximum character-to-character delay
- T4BT Error Free non-chained I-Block Transmission
- T4BT Protocol, Transmission and Time-Out Errors

Poll T3T:

- T3T Exchange and timing measurement
- T3T Exchange with minimum and maximum timings
- T3T Exchange with reverse polarity

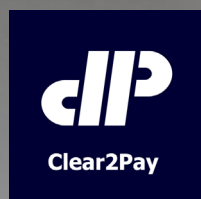
NFC Forum Type 1 Tag Operation Specification**NFC Forum Type 2 Tag Operation Specification****NFC Forum Type 3 Tag Operation Specification****NFC Forum Type 4 Tag Operation Specification 2.0**

Product Family

Requires Integri Open Platform (former INQ) Level 1 Contactless Card License

Requires MicroPross MP300 TCL2 Embedded Software

Requires MicroPross MP300 TCL2 Card Reader



Integri is a product brand of Clear2Pay, an international financial technology company focused on delivering globally applicable solutions for secure, timely electronic payments. Clear2Pay employs over 500 staff.

Clear2Pay

Leuvensesteenweg 325/3
B-1932 Zaventem
Belgium

P: +32 2 717 69 00

F: +32 2 717 69 67

E: info@clear2pay.com

W: www.clear2pay.com

W: www.integri.com