

COMPRION



Tag Certification with COMPRION

NFC Forum Tag Certification Is Coming

With the Certification Release (CR) 11 scheduled for September 2017, and the corresponding Test Release (TR) 11.0, the NFC Forum sets the stage for tag certification. In the past, an NFC Forum-certified device had to support all three modes: reader/writer mode, peer-to-peer mode, and card emulation mode. The new certification and test release changes this rule. Now, it is also possible to certify so-called NFC tag devices.

It's All About a Great Customer Experience

NFC tags are increasingly important and used in different NFC use cases such as event access control, activation of services and apps, like alarm clock or turn-by-turn navigation, or switching the smartphone to flight mode. These tags need to work together reliably with other NFC

devices. If the communication fails, the user will lose trust in the technology and might not use the service again. This could create a bad image of service providers, device manufacturers, or integrators and might even reflect on their brands.

Tag Certification – Your Ticket to Get in

Leading smartphone manufacturers and service providers are requesting tag certification heavily to build up confidence in NFC technology. They expect that NFC tags are tested and certified according to the NFC Forum specifications. Thus, certification increases the chances for tag manufacturers that their implementations will be selected for trials, projects, and high scale rollouts.

Who Is Interested in Tag Certification

- NFC service providers
- Tag & contactless card manufacturers
- Smartphone manufacturers
- NFC reader manufacturers
- POS terminal manufacturers
- Integrators
- Test labs

Typical Actions Initiated by Tags

- Access control
- Start apps by tapping the phone to a tag (example: NFC tag switches the smartphone to flight mode and activates the clock)
- Change configuration settings

COMPRION NFC TAG TESTING

COMPRION Offer

- NFC Forum tag test bench available for
 - Validated conformance test solution (UT³ Platform in combination with Kawasaki robot)
 - New product family “Design Validation Platform” for pre-conformance testing
- NFC tag testing services, in case you do not have the resources to test on your own

NFC Forum Tag Certification: Available Test Benches

- Tag performance tests:

Tag performance test cases have been defined by the NFC Forum IoT Special Interest Group (SIG) for tag types 2, 3, 4A/B, and 5. They include testing within the defined operating volume and, in addition, testing within an extended operating volume defined especially for tag performance test cases.
- Tag certification tests:

Digital, analog, and application test cases for tag types 2, 3, 4A/B, and 5
- Analog and digital test cases for NFC-V:

Test cases for NFC-V tags, based on ISO 15693

Testing at Its Best: Why Choose COMPRION?

- COMPRION tag test benches are validated right from the start
- Quick and highly automated test execution
- Robust and reliable systems for reproducible results
- Easy debugging

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Countdown to Tag Certification

- All TR11.0 requirements implemented
- Validation on its way
- Start of NFC Forum tag certification anticipated for September

Interested?

Please contact sales@comprion.com



COMPRION GmbH
Lise-Meitner-Str. 3
33104 Paderborn
Germany

Phone: +49 5251 6859 0
E-mail: info@comprion.com
www.comprion.com

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