New paradigm for NFC

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New Paradigm for NFC

Leverage all of NFC technology!
The NFC Forum recently added Type 5 tags to their specifications

- Activation energy
- Improving NFC user experience
- Ubiquitous NFC: connecting more “Things” to the IoT
- From factory to consumers
- Interoperability and consistency
Activation Energy
Activation Energy
the Lower the Better!

Type 5 tags are lower power, enabling better range
Type 5… an Extra Boost

NFC remains near field communication

Rule of thumb:
Type 5 Range = Reader’s antenna size
User Experience
Type 5 Makes Discovery Much Easier
3
Ubiquitous NFC
Type 5… an Extra Boost!

Enabling smaller antennas for near field communication
Ubiquitous NFC
It is all About Integration

Small antennas, a better fit for IoT

Type 1-4

Type 5
4

From Factory to Consumer
From Factory to Consumer
Bridging RFID and NFC

- **ISO 15693**
- 1 meter (few feet)
- **NFC Type 5**

[Image]
Consistency and Interoperability
Consistent User Experience
Better Interoperability

NFC Forum Certification Program extended to Device & Tag
ST is a Proud Member of the NFC Forum

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Type 5 is the opportunity to expand NFC footprint

Smartphones

3Bu* 10x 30Bu* Things

* Prevision for 2020
Sources: IHS
5 Paradigms of NFC Type 5

1. Activation Energy
2. User Experience
3. Ubiquitous NFC
4. From Factory to Consumer
5. Consistency
From NFC for Payment...
… to NFC for IoT!
Solutions for NFC / RFID Tags and Readers