# Transmission of IPv6 Packets over Near Field Communication

draft-ietf-6lo-nfc-06

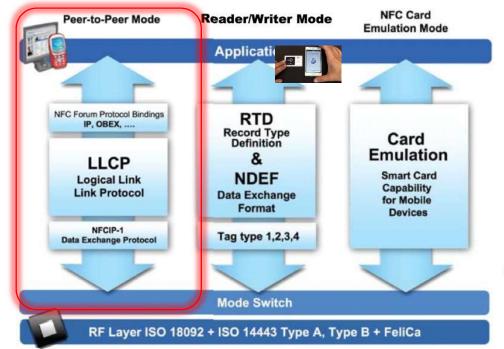
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6lo WG Meeting@IETF 98 – Chicago, U.S. 2017. 3. 29.

## What is Near Field Communication (NFC) ?

- NFC technology enables (Source: NFC Forum)
  - simple and safe two-way interactions between electronic devices, allowing consumers to perform contactless transactions, access digital content, and connect electronic devices with a single touch.
- NFC Functions

(Source: NFC forum)



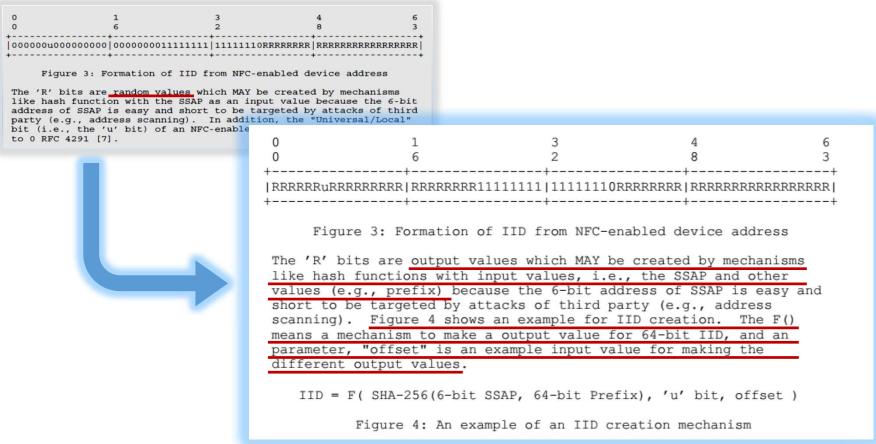


#### **History and Status**

- WG document: draft-ietf-6lo-nfc-00 (Mar 03, 2015)
  - Update Stateless address autoconfiguration (RFC7136)
- 1st Revision: draft-ietf-6lo-nfc-01 (July 05, 2015)
  - MAC PDU size and MTU
  - SLAAC and IPv6 link local address
  - Fragmentation and Reassembly
- 2<sup>nd</sup> Revision: draft-ietf-6lo-nfc-02 (Oct. 17, 2015)
  - Dispatch Header (added)
  - Header Compression (modified for GHC)
- <u>3<sup>rd</sup> Revision: draft-ietf-6lo-nfc-03</u> (Apr. 07, 2016)
  - Some typos fixed
  - Section 7. Security Considerations
- 4th Revision: draft-ietf-6lo-nfc-04 (Jul. 08, 2016)
  - Section 3.2. a NFC FAR-related sentence updated
  - Section 4. a typo fixed
  - Section 4.2. Related to "multi-hop topologies"
- 5th Revision : draft-ietf-6lo-nfc-05 (Oct. 11, 2016)
  - · Feedback from NFC forum
  - IID generation (feedback from Dave)
- <u>6<sup>th</sup> Revision: draft-ietf-6lo-nfc-06</u> (Mar. 7, 2017)
  - IID generation (2<sup>nd</sup> rev.)

#### **Updates since the IETF97**

IID generation (feedback from the last meeting)



#### **Others**

- Technical Review Request to NFC Forum
  - (28/05/2015) Firstly Informed IPv6 over NFC in IETF 6lo working group
  - (09/05/2016) request for technical review of "draft-ietf-6lo-nfc"
    - Issues
      - IID generation by using NFC node ID
      - MTU extension of NFC Link Layer
    - NO liaison process between NFC Forum and IETF
  - (11/05/2016) **BoD** meeting (of NFC Forum)
    - discussed the review request
    - Replied: (conf-call & F2F meeting) with Technical committee
  - (15/06/2016) NFC Forum Member meeting (@Dallas)
    - Decided to accept the review request
  - (04/07/2016) request for the discussion results (by e-mail)
  - (19/08/2016) received Feedback from NFC Forum (by e-mail)
  - (12/10/2016) resolution of Feedback to NFC Forum (by e-mail)
  - (so far) No more feedback from NFC forum
    - after the last resolution (@IETF97)

### **Next Step**

• Ready for WGLC?