

NFC technology in W3C Including the contactless card use case

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Purpose

This short presentation is offering some additional information for understanding why gemalto is requesting to manage new type of messages in the scope of NFC WG charter <http://www.w3.org/2012/05/nfc-wg-charter.html>

Why extending the scope of NFC WG charter ?

✘ At the moment the NFC WG charter would allow a web app to manage NDEF, OBEX and TCP formats :

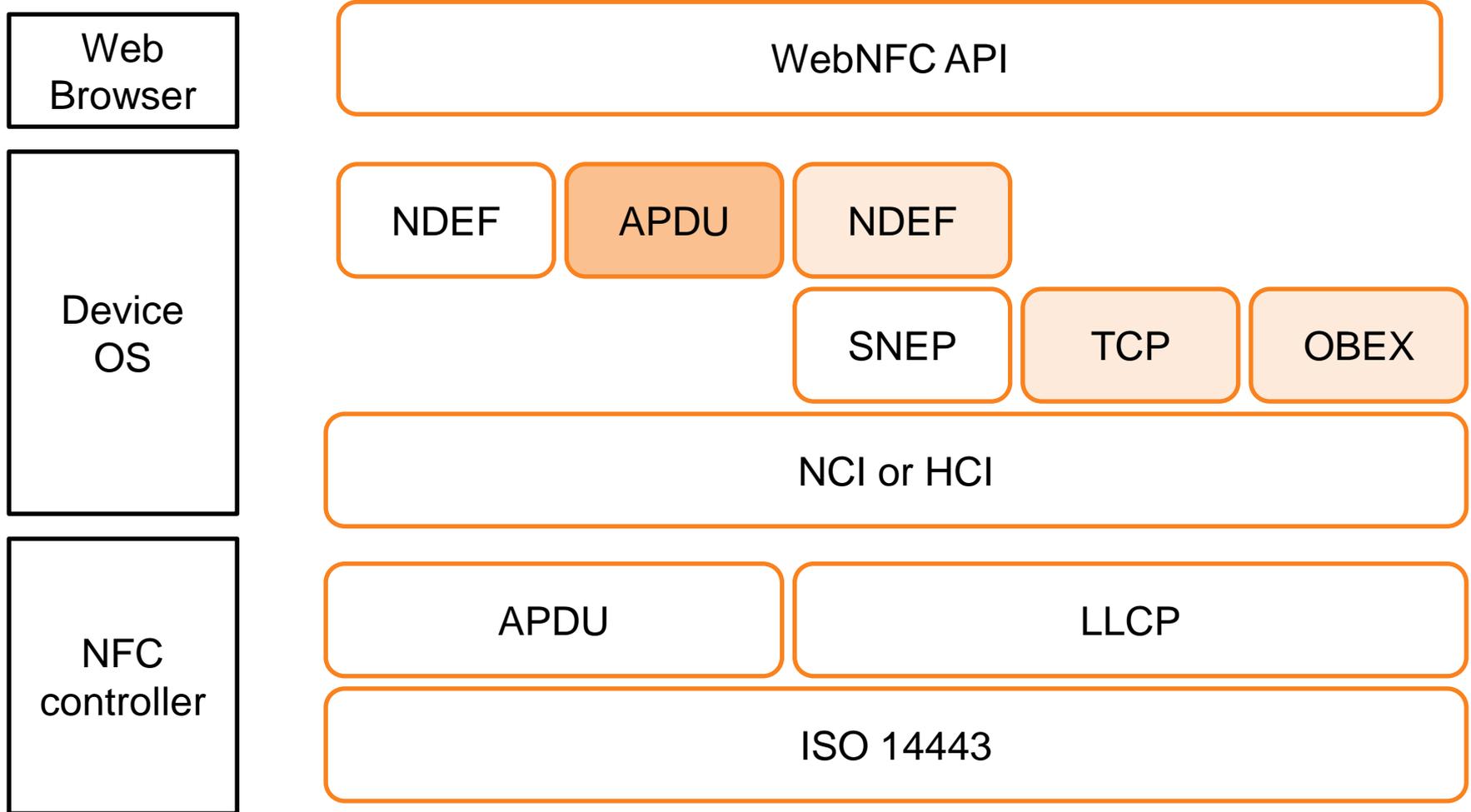
✘ See under <http://www.w3.org/2012/05/nfc-wg-charter.html>

✘ This charter is excluding the use cases where a web app is interacting with a contactless card or a device emulating a contactless card.

✘ e.g. interaction with existing contactless card for payment, for public transportation , and for digital signature

✘ In gemalto we believe that the current technologies, allowing to manage NDEF or OBEX and IP formats over contactless, as referenced in the NFC charter, also allow to manage APDU format, and thus communication with a contactless card.

Technologies required to handle contactless transactions with contactless card



What can W3C do ?

- ✗ If addressing the usecase of a webapp receiving data from a contactless card is valuable to members
- ✗ The main technical objective is to have a webapp being able to get – in a way or in another - APDUs from a contactless card
- ✗ Two options from the process point of view :
 - ✗ Either this feature is fully developed in the NFC WG, or
 - ✗ Or the management of APDU is handled in the System Applications WG (<http://www.w3.org/2012/05/sysapps-wg-charter.html>), and the event for receiving a message which type is APDU is handled by the NFC WG (e.g. to trigger the right service managing this kind of message).
- ✗ As a consequence **we do recommend to include this usecase in the scope of the NFC WG charter** and see how to articulate with the System Applications.

Thanks !

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