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FINEID S1 – Electronic ID Application, Application Note iOS NFC

All certificate cards issued by DVV can be used through contactless interface (NFC). When developing an iOS application using Core NFC, all of the required applications have to be whitelisted in Info.plist -file. The card applications are whitelisted based on their application identifier (AID).

This document lists all the necessary AIDs based on a card and manufacturer information.

AID	Application	Card
A000000063504B43532D3135	IAS Application	Organisational card Social Welfare and Healthcare cards Finnish eID card
A0000000181002030000000000000000	PACE Application	Finnish eID card
A000000018434D00	CardManager MAV3.0	Finnish eID card
A000000151000000	CardManager MAV4.2	Finnish eID card 8/2021 - 3/2023
A000000151000000	CardManager MAV5.0	Finnish eID card 3/2023 ->
A0000002471001	eTravel Application	Finnish eID card 8/2021 ->

When implementing NFC capable application for iOS, following steps should be carried out:

1. Add NFC capabilities to you application.
2. Add NFCReaderUsageDescription and a list of necessary applet AIDs to Info.plist -file.

Example

Add following keys to Info.plist

```
<key>NFCReaderUsageDescription</key>
  <string>This app uses NFC to access Finnish eID cards.</string>

<key>com.apple.developer.nfc.readersession.iso7816.select-identifiers</key>
  <array>
    <string>A000000063504B43532D3135</string>
    <string>A0000000181002030000000000000000</string>
    <string>A000000018434D00</string>
    <string>A000000151000000</string>
  </array>
```

In case the application should also read the eTravel application, then add also the eTravel AID to the array.

