GlobalPlatform for NFC and Transit

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@GlobalPlatform_
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Our Positioning

GlobalPlatform is the standard for managing applications on secure chip technology

Across several market sectors and in converging sectors
Supporting NFC and Contactless Today

Card Specification v2.2 Amendment C for Contactless Services

- This document significantly advances the management of multiple contactless applications within a secure element (SE)
  - To simplify the activation and use of contactless applications
  - To comply with the legacy contactless infrastructure (EMVCo, MIFARE…)

System Messaging Specification for Management of Mobile NFC Services

- This specification provides flexibility to:
  - Support all types of SE’s
  - To support any deployment/business model
<table>
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<th>Case Studies</th>
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<td><strong>Netherlands: Trans Link Systems – Open Ticketing Institute</strong></td>
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<td><strong>Context</strong></td>
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| **Solution** | Microprocessor card  
- MiFARE Classic 4k emulation + secure applet  
- CC EAL 5+ certified  
- JavaCard 2.2.2  
- GlobalPlatform 2.1.1 |

| **France, Germany, UK: EU-IFM (Interoperable Fare Management Project)** |
| **Context** | - Funded by the European Commission under FP7  
- Common requirements and recommendations on interoperable media and multi-application management  
- ITSO, RATP, VDV, Nextendis, ESP Systex |
| **Solution** | GlobalPlatform 2.2 card  
Multi-application: ITSO, NaviGO, VDV-KA |

| **France: Nice NFC City** |
| **Context** | First commercial launch:  
- Four mobile network operators (MNOs) (Bouygues Telecom, NRJ Mobile Orange, SFR)  
- Three banks (BNP, Crédit Agricole, Crédit Mutuel)  
- One transit operator (Veolia) |
| **Solution** | GlobalPlatform UICC |
Suitable for any Business Model

- Issuance by one PTA
- Issuance with several PTA
- Hosted by an MNO
- Hosted by a service portfolio
- Hosted by a bank

A single application
‘GlobalPlatform’s Value Proposition for the Public Transportation Industry – Seamless, Secure Travel Throughout Multiple Transportation Networks’

• Aligns with market requirements
• Enables the use of media issued by non-transit partners
• Offers immediate interoperability
• Favors competitive procurement
• Allows transit authorities to enrich their offering

From ticketing to transport application management
Foundation of the Mobile Contactless Technology Ecosystem

GlobalPlatform is endorsed by:

- STOLPA
- IFM PROJECT
- MOBEY FORUM
- payez mobile
- EMVCo
- GSM Association
- ETSI
- European Payments Council
Thank you!