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What is StoLPaN?

Consortium of European companies, universities and user groups

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StoLPan – Creating seamless NFC experience

Theory – Proof of concept – Pre-commercial trial
To define secure, interoperable operating environment for managing multiple 3rd party NFC services on mobile devices to enable mass deployment

The Mobile Phone Track

To demonstrate the use of the methodology in the high street
- Phones
- In-store support devices (smart trolley etc)

The Retail Track
Dynamic application issuance

1st StoLPaN White Paper

• Dynamic remote post issuance personalisation process of secure elements
  – establishment of a new Security Domain on the secure element
  – remote loading and personalisation process of the service applications

• Open relationship between the Service Providers, Secure Element Issuers and Users

• Technical transparency for the service providers

• Service homogeneity for the users

• Establishment of a single logistical process
  – loading, personalisation and life cycle management of applications for all types of secure elements
Dynamic NFC Wallet – HOST

- Hiding handset and NFC platform specifics - single version application

- Adding and deleting new applications

- Providing resource management, work flow and communication APIs

- Establishing the necessary security framework
  – authentication, security policy settings, cryptography

- Homogenous user experience – UI

- Supporting value added functions

- Supporting multi level branding
Smart retail concept

• Better user experience and improved efficiency - individual check out

• Smart shopping cart or Personal Shopping Assistant communicating with NFC handset
  – product reading,
  – product information
  – loyalty
  – e-coupon
  – payment

• Gradual introduction of the new NFC technology into the barcode based environment
  – no surprises
  – no major investments
Planned trials

• First public trial of NFC interoperability in Italy
  – Dolomite skiing resorts of North East Italy
    • 1st phase> infotainment and loyalty services for tourists
    • 2nd phase> payment
  – up-to-date ski and weather reports to phones using smart posters
  – integration of NFC with SMS and barcode-based infrastructures in bars, restaurants and shops to offer customer loyalty schemes

• Retail operation
  • merging of barcode based product information with new NFC services
    – personal shopping list
    – loyalty program
    – e-coupon (reception and redemption)
    – payment (loyalty, e-purse, mobile money transfer, card)
Future plans

- 3rd White Paper - StoLPaN Business Model for the NFC Value Chain
- 4th White Paper – Legal Issues of the NFC Service Environment
- Demonstration of proof of concept solutions
- Participation in new trials
Thank you!

For more information please contact: vilmos@stolpan.com

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