eEurope – Trailblazer 6
Contactless Cards
Cooperation Possibilities

Paris October 2001

Andrew ROBERTS
Convener – Trailblazer 6

[Trailblazer - n. a leader or pioneer in a particular field]
eEurope Action Lines

1. European youth into the digital age
2. Cheaper Internet access
3. Accelerating e-commerce
4. Fast Internet for researchers and students
5. **Smart Cards for secure electronic access**
6. Risk capital for high-tech SMEs
7. eParticipation for the disabled
8. Healthcare online
9. Intelligent transport
10. Government online
Empower the individual to access resources in the physical world and over networks, anytime, anywhere with adequate privacy and security.

Raise the prospect of smart card technology to a mainstream computing platform for trusted services by:

- Harmonizing smart card based infrastructures across sectors by building a consensus for minimum compatibility.
- Stimulating inter-sector cooperation to encourage interoperability.
eEurope Smart Card Charter Key principles

- Open to ALL interested parties
  - Japanese Participation is actively Sought
  - User-centric (consumer and professional)
  - Industry-led / respecting competitive forces
  - Public sector involved mainly as a lead user for certain applications (e.g. transport, e-government)

- Focus on secure access to Internet-based services

- Relies on European strengths (banking, health cards,...)
Contactless Within the eEurope Smart Card Charter Framework

- e-Government
- e-Payment
- Health
- Public Transport

Generic functions: ID, Digital signature

Multi application Platform

- Generic Card Readers
- Contactless

SECURITY/INTERFACE
Objectives

- To promote the proliferation of contactless technology
- To harmonize the contactless infrastructure and ensure the interoperability of systems
- To stimulate the use of contactless technology through education
Interoperability
- Report on the standardised layers and interfaces relevant to contactless technology
  - Virginie will be presenting
- Leader: Oberthur (Virginie Massot)
- Q2 2002

Security
- Threat evaluation for contactless technology
  - Very little published work in Europe, Japanese and Asian experiences of great interest
- Leader: Gemplus (Denis Carabin)
- Q3 2002
Trailblazer 6 – Contactless – Possible Cooperation Items

- **Certification**
  - Conformity procedures, laboratory practices
    - Limited resources, ISO work WG8 work of great interest
  - Leader: Arsenal Research (Ernst Luckner)
  - Q1 2003

- **Roadmap**
  - Current status, future requirements, platform definitions and harmonisation
    - NMDA vision is essential for a complete vision
  - Leader: STMicroelectronics (Andrew Roberts)
  - Q1 2003
Pilot Guidelines & Deployment

- Report on current experiences and practices, Pilot scheme specification, implementation and result evaluation guidelines
- Equipment and tender specs, operational issues & supplier catalogue
- Q2 2003
- Leader: RATP (Philippe Vappereau)
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<td>CLUB members, Sony</td>
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Trailblazer 6 – Contactless – Cooperation Items

- **Communications**
  - 4 x Reports on networking information collection (qualitative) & contacts established (quantitative)
  - Harmonization & development of common communication tools
  - Web development
  - Promotion of WP1 results and production

- **Project Management**
  - RATP – Sophie Gillet (Vice Chairman TB6)
## Trailblazer 6 – Contactless – IST Funding

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Coordination with NMDA

- TB6 needs, for a complete vision, to have special interfaces to NMDA
  - The IST funding should be a Catalyst for the start of the real work (not the case last year)
  - IST funding is, however, limited and large scale operations will not be possible
- First Stage is to define Interfaces between our groups