

The way forward

Contribute to the realisation of a pan European interoperable Smart Card infrastructure for the major application domains.

The eEurope Smart Card Charter has completed its 2002 mission successfully. Its deliverables represent a significant contribution for the whole smart card community. As the initiative ends, some activities are continuing while others are about to commence.

FUTURE ACTIVITIES

- Progress via a standardisation approval process
- Disseminate results to a wider audience
- Support field test and deployment activities
- Exploit a demonstration centre for proof of concept of interoperable system components and systems
- Collaborate with Japan, NAS candidate states and US to ensure interoperability
- Contribute to clustering of Smart card related projects within FP6

EVENTS TO COME

MID NOVEMBER TO MID JANUARY:
Public review of the Common Specifications v2.

MID DECEMBER 2002:
Fifth Open Steering Committee meeting, in Copenhagen.

FEBRUARY 2003:
Common Specifications v2 available on CD ROM.

MARCH- MAY 2003:
Series of dissemination seminars

JUNE 2003:
Open Conference in Greece

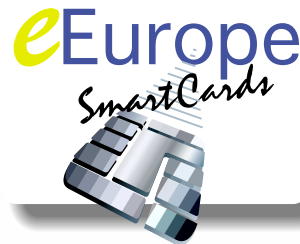
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Smart cards are vitally important for advancing the European Information Society. They are the tokens citizens will use to securely access and conduct high-end physical and web enabled transactions.



The intelligent key to your quality of life

European Smart Card Systems Infrastructure

eESC Common Specifications for interoperable multi-application secure smart cards



eEurope Smart Card Charter

Contributing to mass deployment of smart cards.

Launched by the European Commission in December 1999 in the wake of the eEurope 2002 initiative, the eEurope Smart Card (eESC) charter aims to accelerate and harmonise the development and usage of smart cards across Europe. Approved in April 2000, the **Smart Card Charter** work plan has since identified solutions to the technical, business and legal barriers and provided demonstrators as boosters to smart card deployment.

OBJECTIVES

- Encourage Smart Card and smart card systems interoperability
- Advance multi-application cards technology
- Agree on security specifications
- Support innovative applications and services
- Build user's trust and confidence

ACTION LINES

- 1 Setting up of a network of interested stakeholders
- 2 Carry out Dissemination program
- 3 Defining Common Specifications
- 4 Demonstrators & large scale deployment

ORGANISATION

12 WORKING GROUPS CALLED
TRAILBLAZERS

- TB1 public identity
- TB2 identification and authentication
- TB3 protection profiles and security certification
- TB4 generalised card reader
- TB5 e-payment and m-payment
- TB6 contactless smart cards
- TB7 multi-application smart cards
- TB8 user requirements
- TB9 public transport
- TB10 e-government
- TB11 healthcare
- TB12 advanced electronic signature

More than 350 organisations are part of the initiative.

Main Achievements

Producing significant and tangible outputs representing the efforts of a 1200 persons constituency from all sectors.

COMMON SPECIFICATIONS

The Common Specifications set the pre-requisites for an interoperable European smart card infrastructure and are a beacon for implementing or revamping a smart card system. They consist of generic requirements, guidelines, architectural models, technical specifications, etc., organised as follows:

eESC functional requirements and white papers:

- Status and requirements in each of the main application areas
- User requirements and Best Practice Manual
- Global Interoperability Framework and privacy code of conduct for identification, authentication and electronic signature (IAS) with smart cards
- Juridical aspects of cross borders data flows
- Cost transparency
- Security and protection profiles
- Multi-application architecture and business models
- Contactless technology
- Generic Card Reader
- Public EID and Electronic Signature

Referenced Standards, Workshop agreements and other specifications

- ETSI/CEN Joint Workshops EESSI (incl. Area K and Area AA documents)
- ISSS Workshops eURI, FASTEST, FINREAD and Embedded FINREAD
- Common Criteria for Smart Card Security
- NICSS documents
- US NIST GSC documents

Dissemination, Implementation and deployment

- Public Identity: eEpoch - Healthcare: Netc@rds

The Common Specifications v2 are now available for comments at www.europe-smartcards.org. Send your feedback!

Main Achievements

Empowering the individual to access services anytime, anywhere with adequate privacy and security.

THE GLOBAL INTEROPERABILITY FRAMEWORK (GIF)

GIF is the Common Specification building block for IAS access mechanisms to e-services. It can be implemented by any organisation in any form factor. The general Conceptual model is extended in the subparts of GIF to provide the interoperability framework for identification, authentication and electronic signature with smart cards. This modular smart card information system focuses on the public domain and provides a flexible set of mechanisms for use by smart card communities wanting to be inter-operable.

DEMONSTRATORS

In order to demonstrate the validity and establish a proof of concept for the eESC common specification deliverables, **two specific demonstration and deployment projects have been launched.**

In the field of identification authentication, and electronic signature for e-government, the eEpoch IST supported project will prove the validity of the specifications particularly those in the GIF by testing, implementation and, if required, enhancements. Seven pilot sites in six countries are involved and will demonstrate the practicalities of the common IAS module.

In the health domain, eESC partners have contributed to the ideas of Netc@rds, the eTEN supported electronic E111/E128 online form demonstrator for cross-border entitlement to health services.

CLUSTERING ACTIVITIES

The eESC initiative has created and maintains links with other IST smart card related projects in order to maximise synergies and take into account the results of their activities.