EUR◉SMART
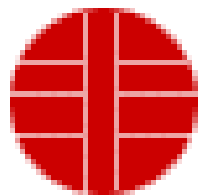*European Smart Card Industry Association*

eEurope
SmartCards

Smart Card
Security Conference
in Tokyo 29-30 March 2001

eEurope

and the role of EUROSMART

Dr.- Ing. Lutz Martiny
Chairman EUROSMART
Co-Chairman eEurope SmartCards
Tokyo, March 29, 2001

Agenda

➢   **What is Eurosmart**

➢   SmartCards in the eEurope Framework and the role of Eurosmart

➢   Actions and Events 2000/2001

What is Eurosmart ?

EUR●SMART
European Smart Card Industry Association

eEurope *SmartCards*

'**The voice of the Smart card Industry** '

➢ An association of European Smart Card players

➢ Founded in 1994 by pioneer smart card companies

➢ Committed to expanding smart card markets worldwide

Objectives of Eurosmart

- ➢ Promote smart card and smart card systems
- ➢ Standardize smart card and smart card systems
- ➢ Provide a forum for the interchange of marketing and technical data
- ➢ Define a consistent range of quality and security levels
- ➢ Build relationship with international and national bodies
- ➢ Provide expertise in the smart card area

Members

Ascom

Monetel

ASK

Atmel

Bull

Canal+

Cybercom

Dassault

DataCard

ELVA

Emosyn

FNMT

G & D

Gemplus

Gilles Leroux

Hitachi

Incard

Infineon

Ingenico

MCO

Microelectronica

Espanola

NBS

NEC

Oberthur Card Systems

ORGA

Philips Semiconductors

PPC Card Systems

Sagem

Schlumberger

STMicroelectronics

Xiring

- ➢ **Smart card development and manufacturing**
- ➢ **Smart card Integrated Circuits**
- ➢ **Industrial Equipment**
- ➢ **Smart card accepting devices**
- ➢ **Software, Services, Applications**

1st PP Certification in the world

We are proud of:

EUROSMART Actions in 2001

- ➢ Improve the work on security and contact less technology inside eEurope SmartCards work

- ➢ Co-Chair eEurope SmartCards

- ➢ Strengthen International co-operation through Security Conference in Japan in March 2001

- ➢ Initiate and publish reliable market figures for 2000 and projections for 2001

- ➢ Organize an international conference on Secure Open Architectures for Smart Cards (Summer 2001)
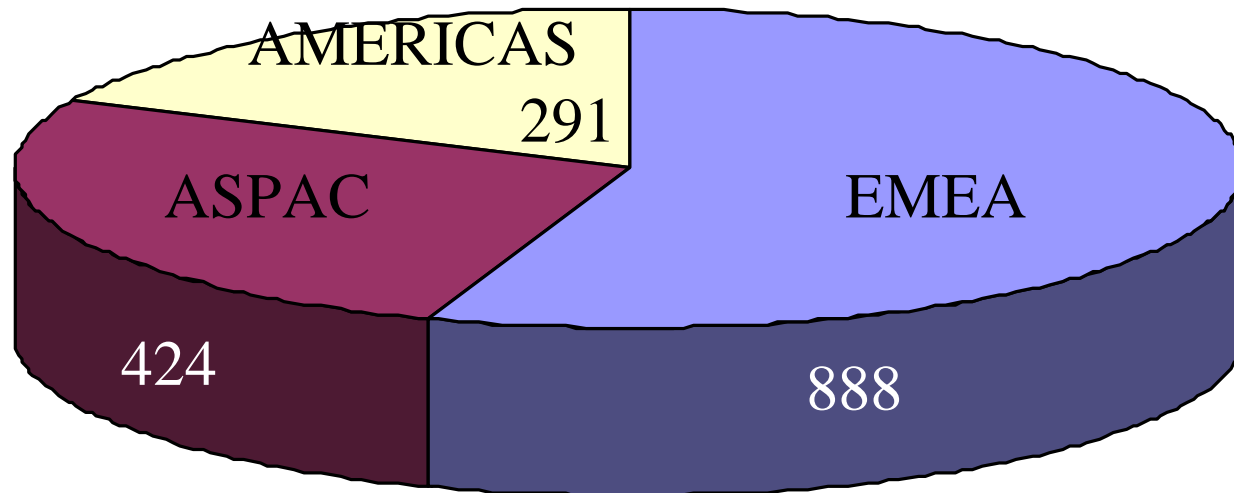
for actual information follow: http://www.eurosmart.com

Growth over the past 4 Years

EUR SMART
European Smart Card Industry Association

*e*Europe
SmartCards

■ **Shipments**   □ **Forecast**
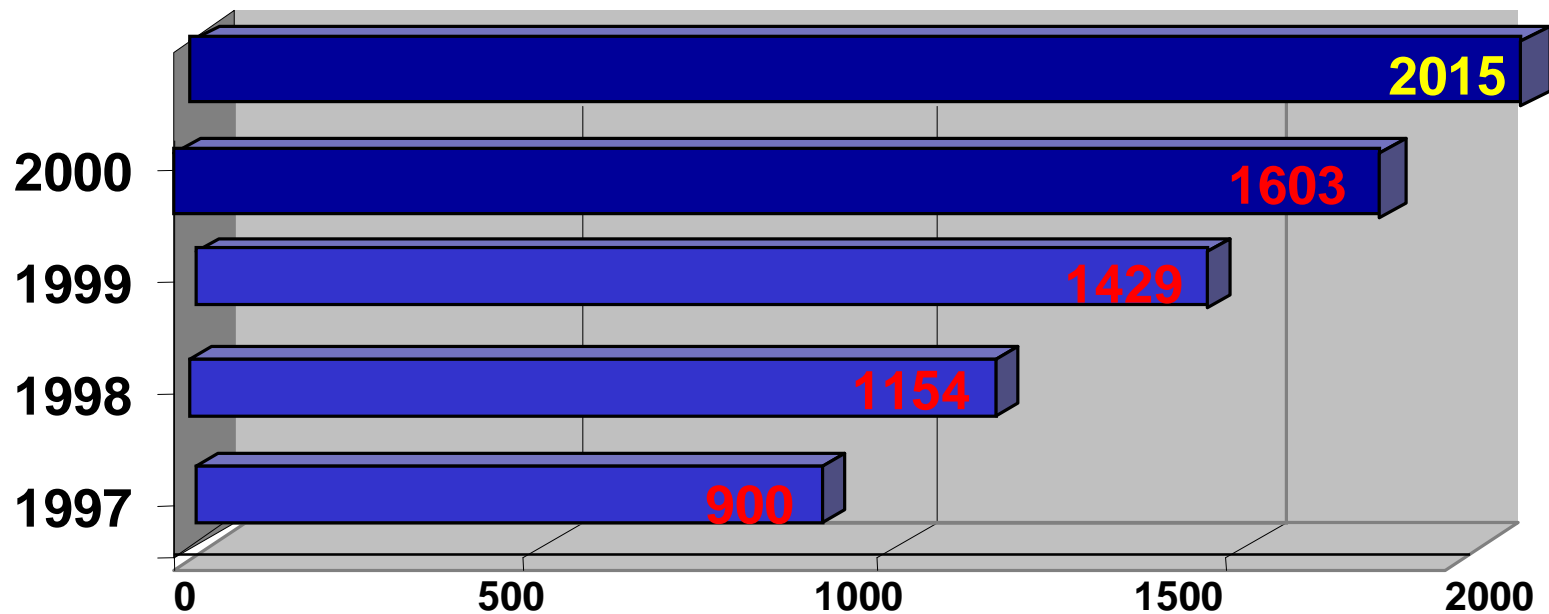
	1997	1998	1999	2000	2001
Shipments	900	1154	1429	1603	2015

"An Information Society for all"

Objectives

- Bring every citizen, school, business and administration on-line - quickly!

- Create a digitally literate and entrepreneurial Europe

- Ensure an inclusive information society

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. *e*Participation for the disabled
8. Healthcare online
9. Intelligent transport
10. Government online

EUR●SMART
European Smart Card Industry Association

eEurope SmartCards   Vision

❑ To empower the **individual** to **access resources** in the physical world and over networks, anytime, anywhere with adequate privacy and security.

❑ To raise the prospect of smart card technology to a **mainstream** computing platform for **trust services**. BY:

❑ **Harmonizing** smart card based infrastructures across sectors by building a consensus for minimum **compatibility**.

❑ Stimulating inter-sector cooperation to encourage **interoperability**

Action on Smart Cards: Key principles

- User-centric (consumer or professional)
- Industry-led / respect of competitive forces
- ➢ Open to all parties interested
  (including global/non-EU players)
- Focus on secure access to Internet-based services

...

- rely on European strengths (banking, health card,..)
- Public sector involved mainly as a lead user for
  some applications (e.g. transport)

The Charter concentrates on 4 target areas:

- ❑ Building trust
- ❑ Enhancing usablity
- ❑ Improving access
- ❑ Deploying applications & services

Action on Smart Cards:

Building Trust

- Set of minimum security requirements

- Harmonised security certification

- Interoperable specifications for identification and authentication

- Liberalisation of trade and use of cryptographic products and services

- Fair cost conditions when using smart card

- Protection and use of personal data

Enhancing Usability

- Consistency of interfaces and operation

- Coherent use contact and contact-less cards

- Seamless use of multi-application cards and terminals
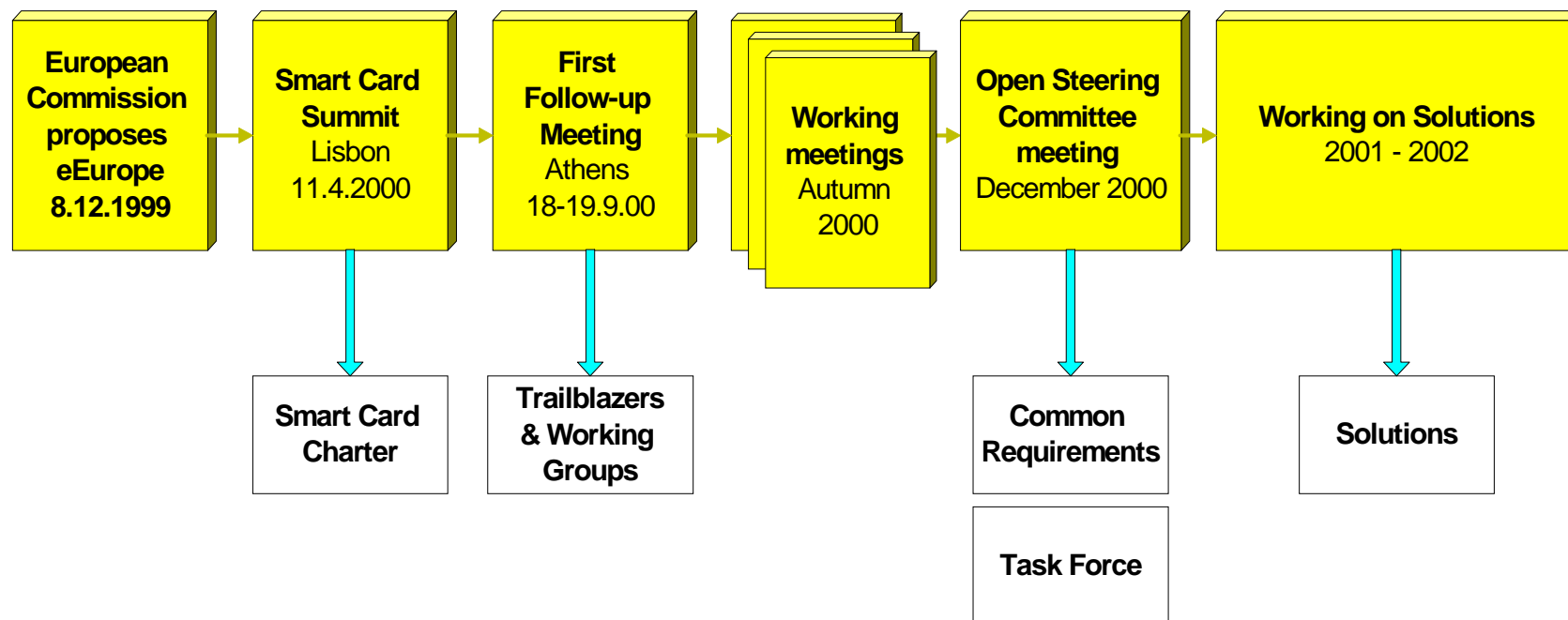
Action on Smart Cards

Improving Access

- Broaden service access: geographically and across sectors

- Easy access to Internet

- Permanent dialogue telecoms/service providers to avoid fragmentation of mobile commerce

- Reliable and efficient smart card based e-payments and best use of existing infrastructure

Deploying Applications & Services

- Foster development of government applications (government on-line)

- Common requirements for major public services starting up with Public Transport and Health

- Exchange of experience regarding electronic identification (e.g. Finland, Italy, Sweden)

Activity program

| European Commission proposes eEurope **8.12.1999** | → | Smart Card Summit Lisbon 11.4.2000 | → | First Follow-up Meeting Athens 18-19.9.00 | → | Working meetings Autumn 2000 | → | Open Steering Committee meeting December 2000 | → | Working on Solutions 2001 - 2002 |

Smart Card Charter

Trailblazers & Working Groups

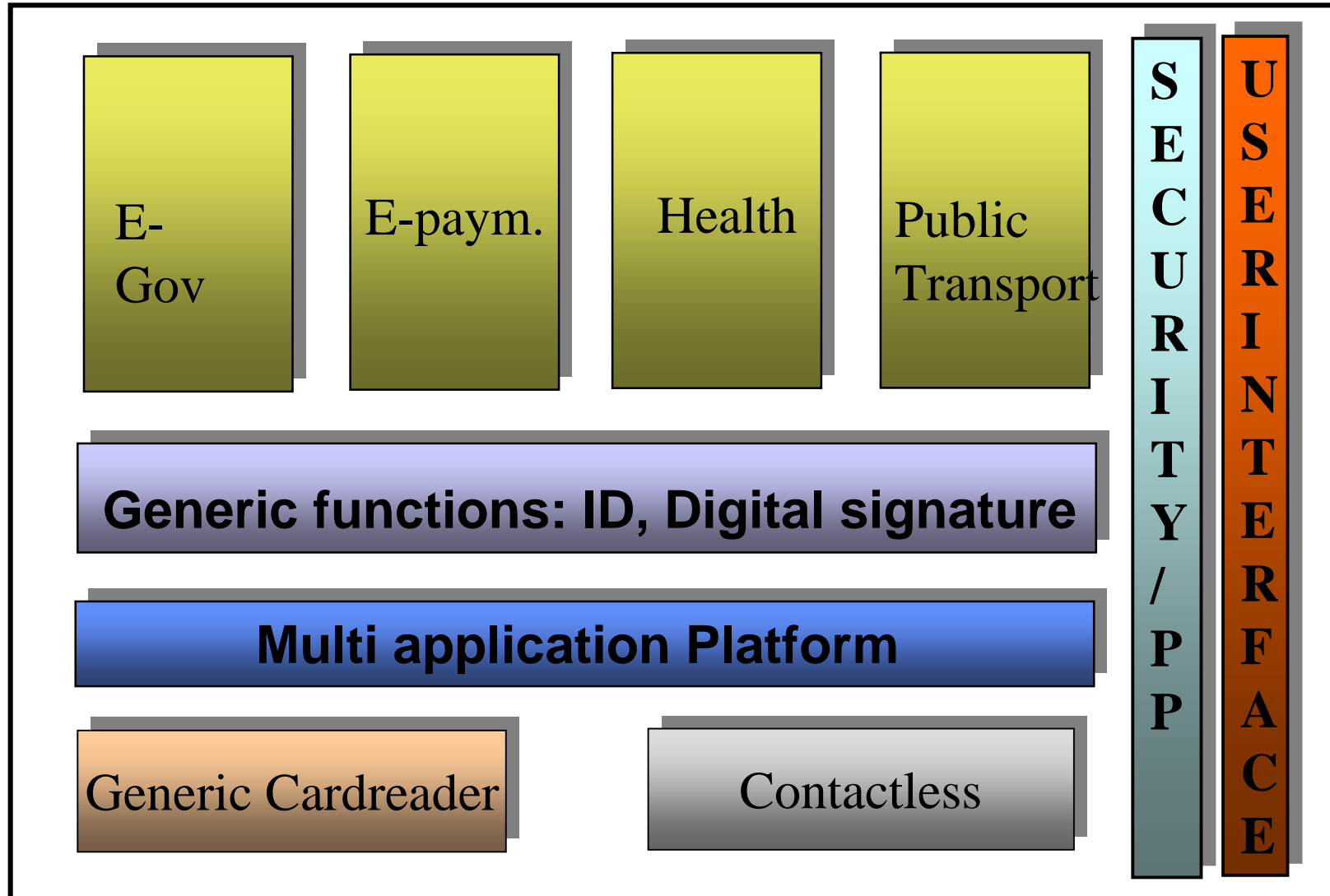Common Requirements

Task Force

Solutions

❑   Common Requirements   (established at start of SCC)

❑   Common Specifications (end 2002 deliverable)
     - Surveys, Reports, White papers
     - Contribution to standards
     - Implementation guidelines
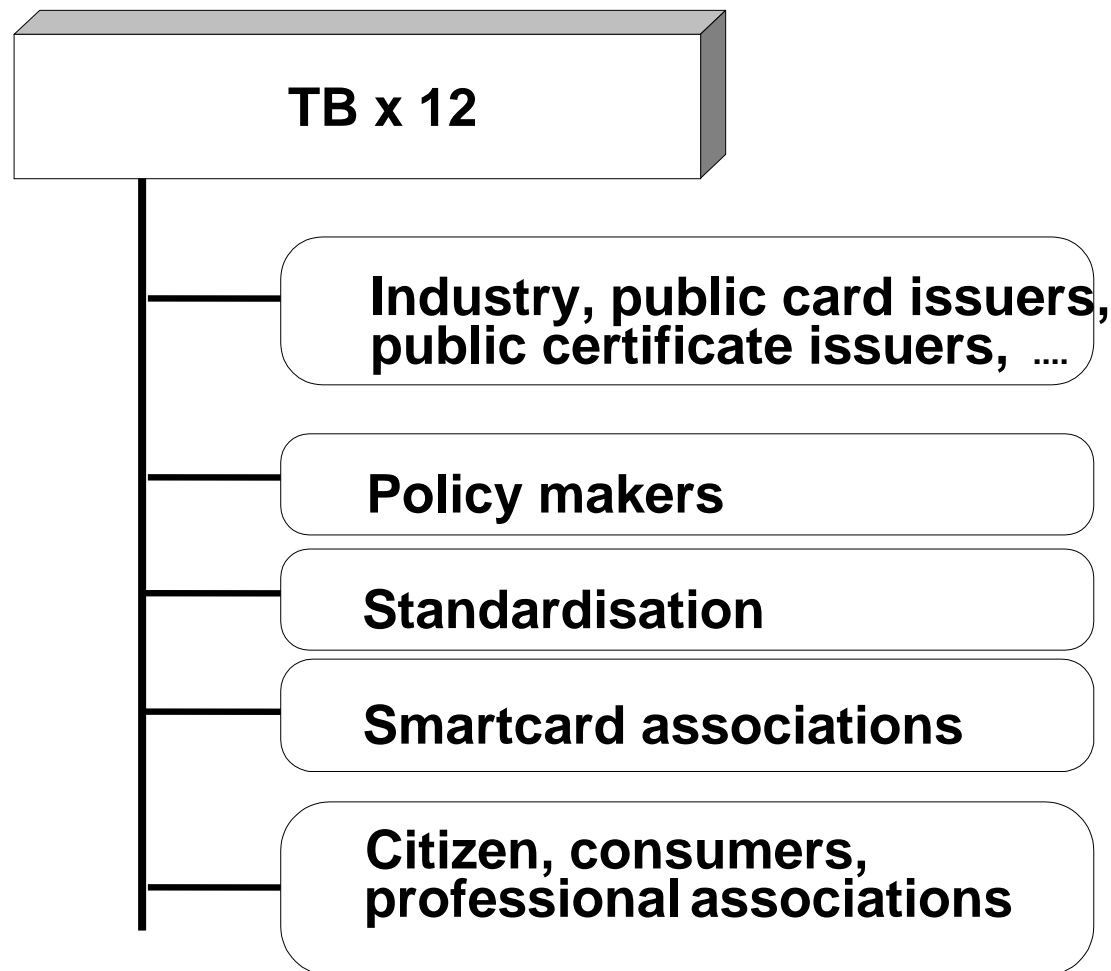   - Dissemination activities
     - Pilot project(s)
     - ....

Trailblazers
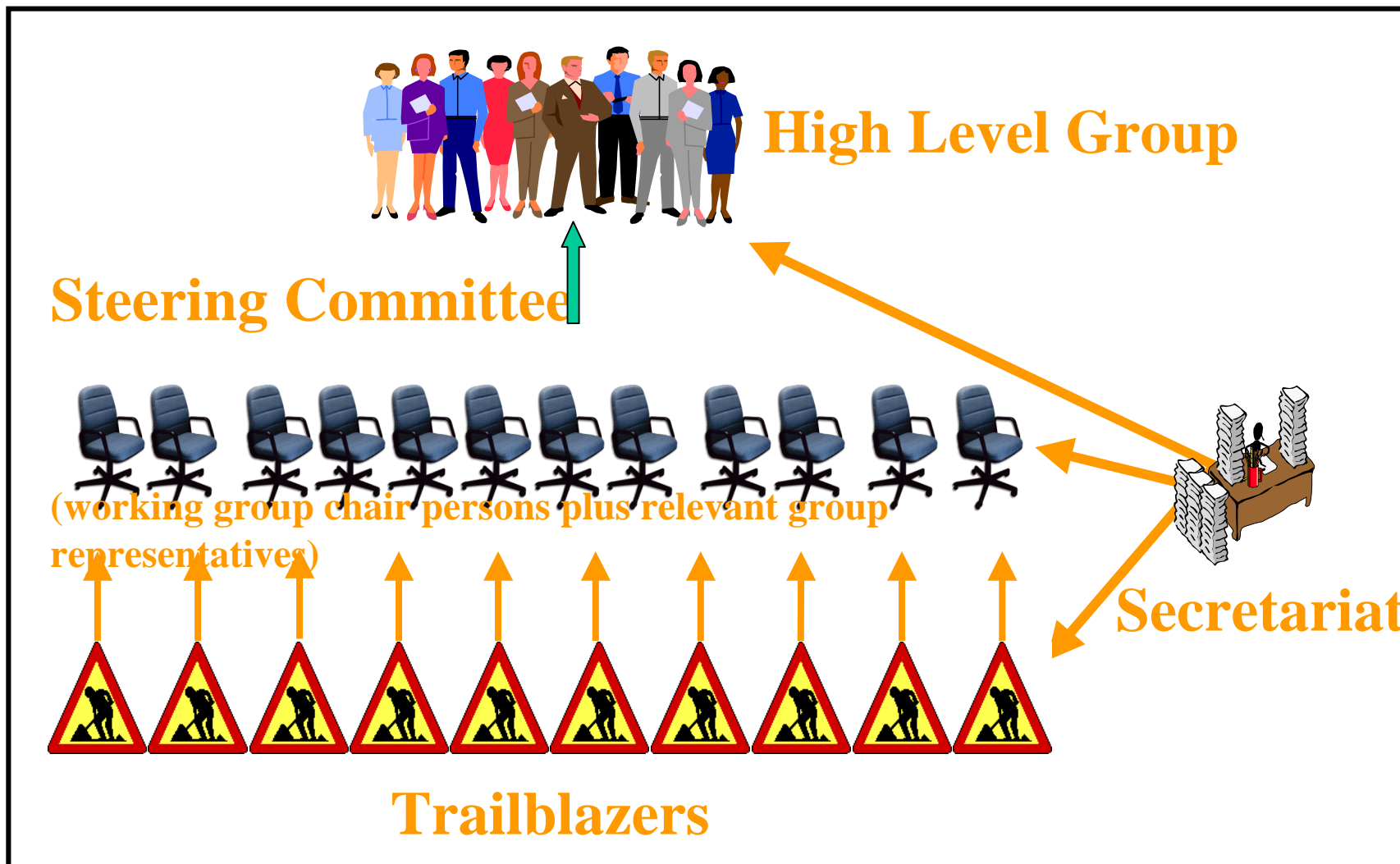
1 Public Identity
2 Identification & Authentication
3 Protection Profiles, security certification
4 Generalized card reader
5 E -payments (including purse, credit/debit, m-commerce)
6 Contact-less Smart Cards
7 Multi-application systems
8 User friendly & consistent interfaces
9 Public Transport
10 e-Government
11 Health
12 Advanced Electronic Signature

Trailblazer Participants

TB x 12

- Industry, public card issuers, public certificate issuers, ...
- Policy makers
- Standardisation
- Smartcard associations
- Citizen, consumers, professional associations

Organisation

High Level Group

Steering Committee

(working group chair persons plus relevant group representatives)

Secretariat

Trailblazers

Steering Committee Members

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