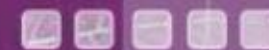




THE EUROPEAN CITIZEN CARD IS GOING ON

Lorenzo GASTON
CEN TC224 WG15
Convenor



Promote technology requiring the smart card

■ **First Step: Standardization of the Key Hard and Soft Technologies**

- **USB and Contactless**
- **High Reliability Card Body Test Procedures**
- **PKI and Digital Signature Cards**
- **API, Data Structures for Interoperability**
- **Biometrics**



Build credibility, facilitate migration path

■ **Second Step: Speeding-up the Migration**

- **Driving EN Experimental Standards for Extensive Roll-Out**
- **Promoting key European Projects to proof the concepts (eEpoch, Onom@Topic)**
- **National Specifications development**
- **Collaboration with European Commission initiatives**
- **Cooperate with US and Japan initiatives**



Speed up Tenders

- **Third Step: Standardization of Application-Oriented Cards**
 - **ID cards: CEN TC224 WG15**
 - **ePassports and eVisa: ICAO NTWG, ISO WG3 (9303 std) and ISO WG8-TF2 (14443 std)**
 - **Health Card: CEN TC251 and ISO TC215**
 - **Driving Licence: ISO WG10**
 - **Public Transport Cards : CEN TC224 WG11**



CEN TC224 WG15 Organization

- WG15 SG1 : ECC Logical Data Structure (G. Meister)
- WG15 SG2: Physical, Electrical and Transport Protocol characteristics
- Issues directly addressed at WG15 Plenary
 - ECC Services
 - ECC Management recommendations
 - ECC Business Model



Step 1

ECC High Level Objectives :

Justify personal ID

Travel in the EU

Access to eGovernment services

Step 2

ECC Intermediate level of Requirements

Step 3

Physical & Electrical

- ECC Layout
- Durability
- USB / Contactless

ECC Logical Data

- IAS services
- ID&Auth data
- Applet loading

Step 4

Business Models and eGov services research



WG15 SG1

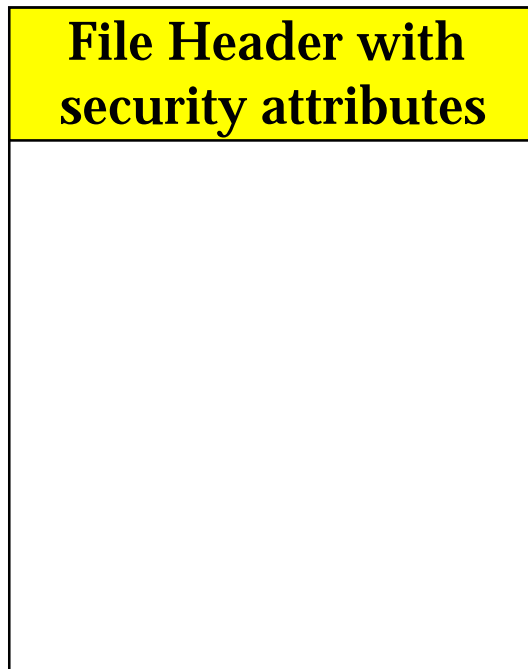
- IAS Architecture
- Physical Characteristics for adapted security
- Methodology for Card Durability
- Definition of contact and contactless interfaces
- Transport Protocols
- Test methodology for Contactless Interface
- First Working Draft available for ECC-Part 1



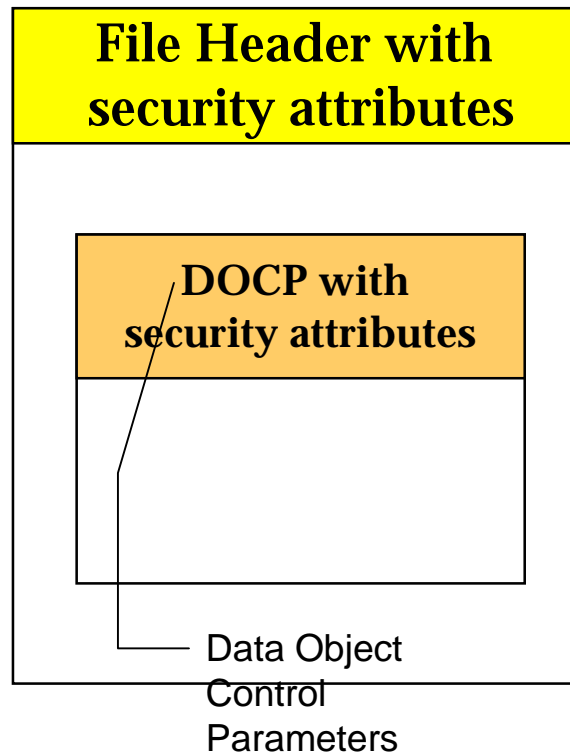
Specification – SDO in practice

■ SDO creation

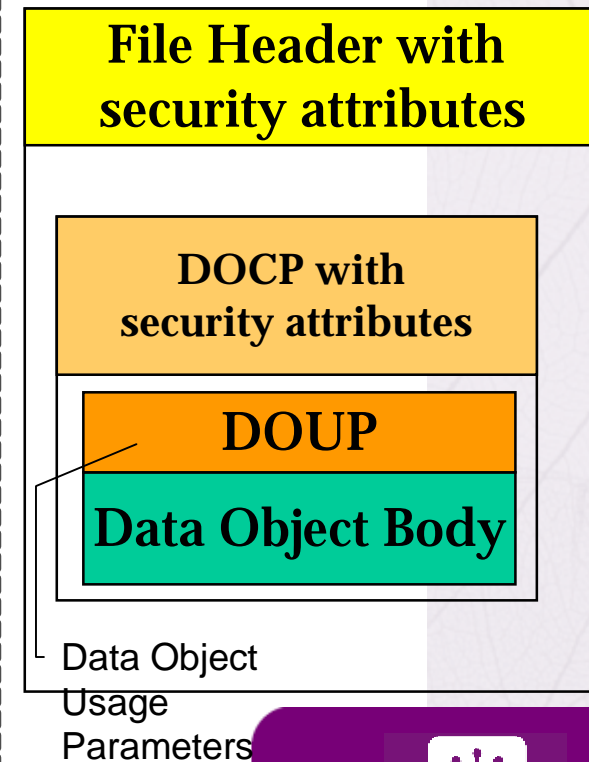
- 1 Check File access conditions for creation of a container



- 2 Check container access conditions for creation of a SDO



- 3 Load the SDO through a PUT DATA command

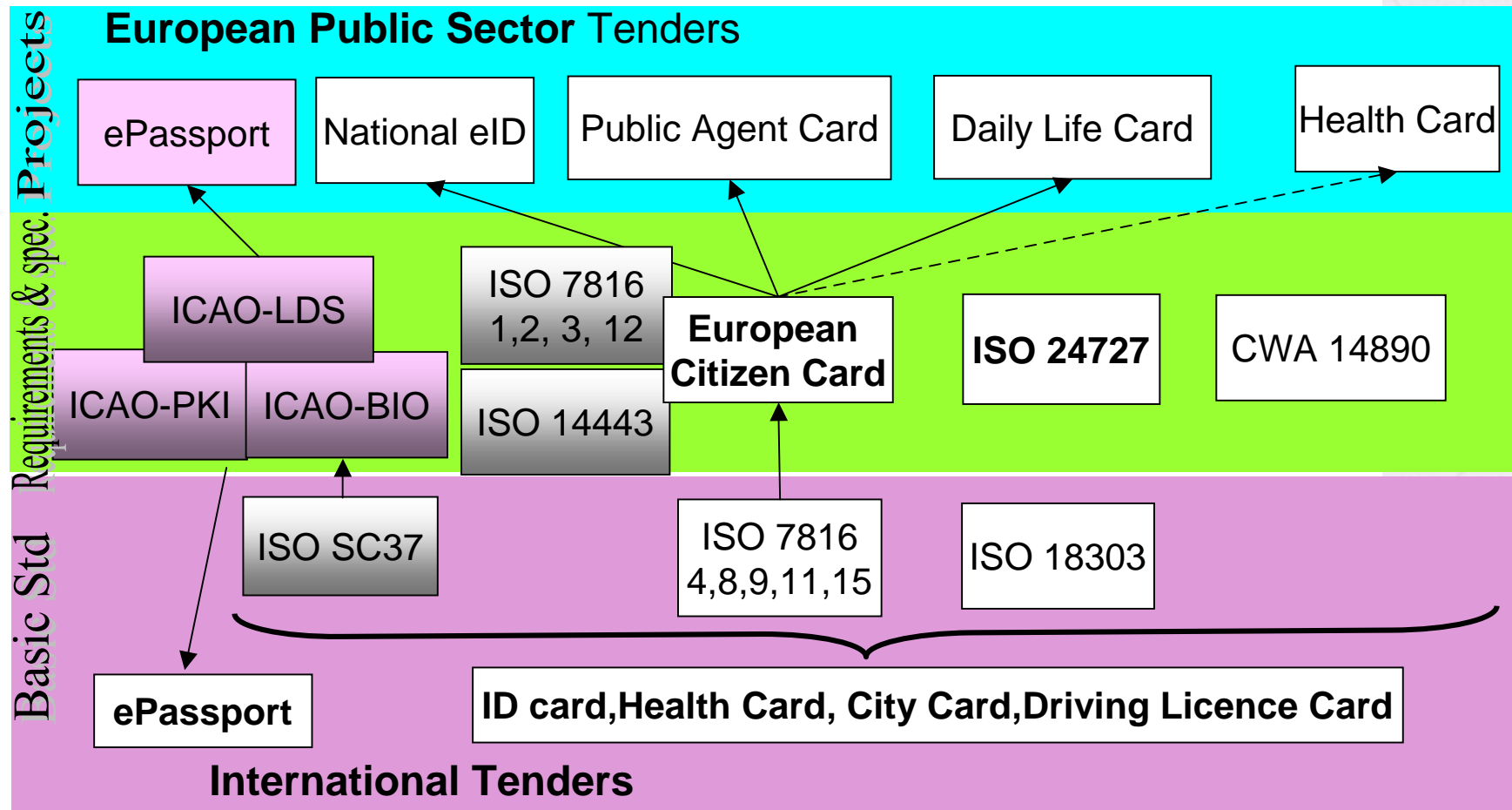


WG15 SG2

- Adapted Physical Securities
- Physical Characteristics for adapted security
- Methodology for Card Durability
- Definition of contact and contactless interfaces
- Transport Protocols: USB, 14443-2 and T=0,T=1
- Test methodology for Contactless Interface
- First Working Draft available for ECC-Part 1



Standards for Tenders



Contribution to European eID and Global IOP

- New ISO/IEC 24727 for Terminal Middleware to support eGovernment applications
 - US Federal Government Initiative
 - ISO 24727-2 standardizes the Middleware / Card Interface
 - ISO 24727-3 standardizes the Middleware/ Application Interface
- European Citizen Card + ISO 24727 Middleware are the grounds for mass-deployment of eID Cards



European eID roadmap

- CEN TC 224 WG15 European Citizen Card
 - First Draft Ready May 2005
 - Publication Q4 2005
- ISO/IEC 24727
 - First CD ready by May 2005
 - Publication Q3 2006



axalto

Thank you

