

Nederlands Nationaal
CHIPCARD *Platform*

J. van Arkel
secretary general

Hyperion Digital ID forum

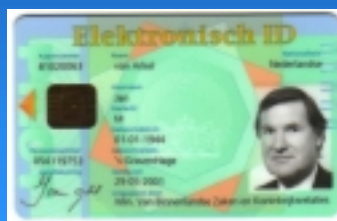
- | Dutch Government ID card
- | comparable projects in Europe
- | the e-Europe Smart Card Charter

Some Smart Cards projects in the Netherlands with ID functionality

- | National e EID card Ministry of the Interior
- | Municipality of Haarlem (+ another 5 municip.)
- | Drug addicts card (2 municipalities)
- | Asylum seekers card
- | Parkinson patients card
- | National airport of Schiphol
- | Disco entrance card
- | Smart company cards

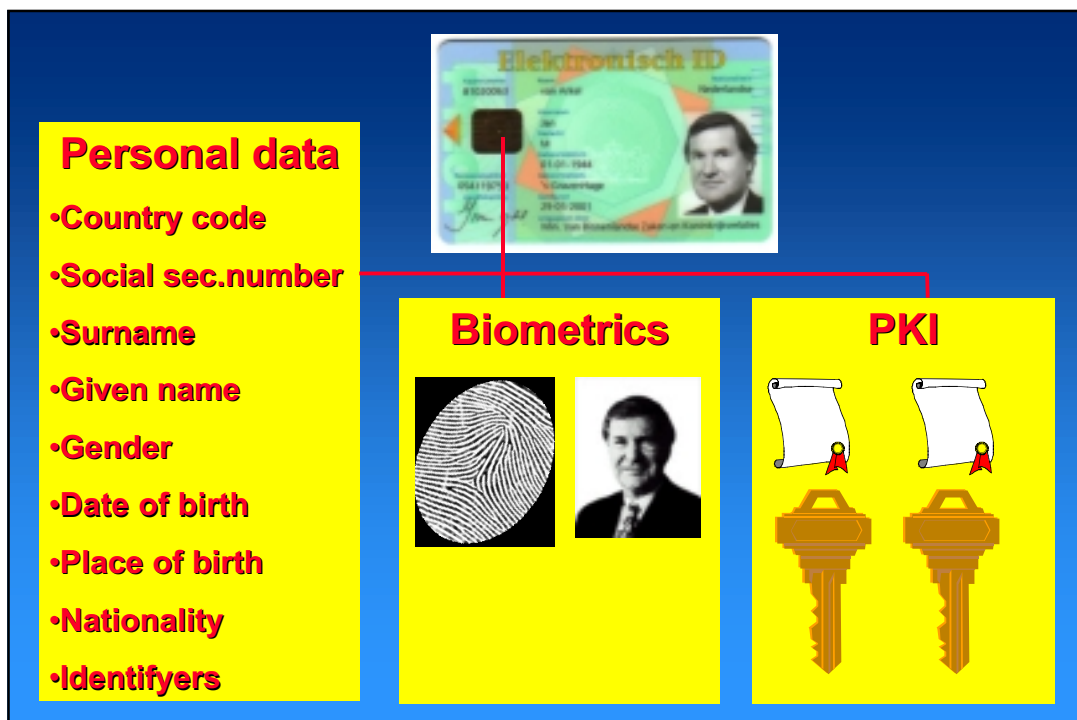
Central Government Identity Card

- | Electronic European Identity and travel document (e-EID)
- | potentially 10 million cards



Functionality of e-EID

- | Authentication card and card infrastructure
- | Verification cardholder identity (biometrics)
- | Provision of trust (digital signature)
- | Supporting e-Government functionality
- | Supporting services for the private market?
- | Travel Document within the EC



Why biometrics ?

- | Cardholder verification (binding between cardholder and card (1 : 1)
- | not for 'identification' (1 : n)
- | Access to PKI services
- | Access to non PKI services

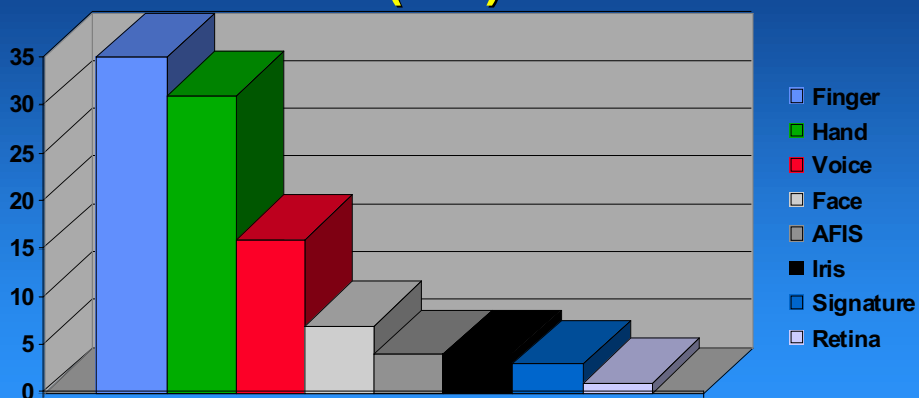
Selection of biometrics for the e -EID

- | which technologies (behavioural or physical; static or dynamic)
- | characteristic or template
- | secure capturing devices and channels
- | decentralized and/or centralized storage
- | whereabouts of extracting and matching
- | user acceptance / user interface
- | costs

Experiences

- | Leading edge technology (lack of standards, fighting forward)
- | High user expectations and acceptance
- | User or issuer preferences
- | Security and reliability still an issue
- | Single, Multi or Layered
- | Costs not prohibitive anymore
- | European privacy directive 95/46/EC

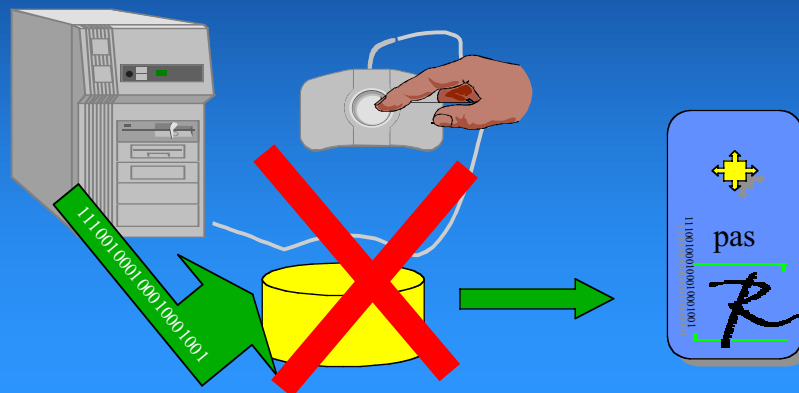
Use of Biometric Technologies (Btt)



Outcome Selection Process

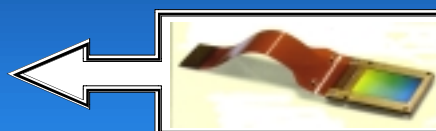
- Fingerprint
- Finger geometry
- Palm print
- Hand geometry
- Iris Scan
- Retinal Scan
- Facial Imaging
- Facial thermography
- Voice recognition
- Dynamic Signature
- Keystroke Analysis
- Gait

Opinion Dutch Data Registrar





The Parkinson project



Why PKI for the e -EID

- | digital signature
- | proof of identity
- | proof of consent
- | proof of origin
- | non repudiation
- | confidentiality / encryption

CEN/ETSI Workshop E-sign

- | 5.1 Qualified signature / legal value
- | Qualified certificate
- | Secure signature creation device

Selection of PKI for the e -EID

- | card as a SSCD**
- | algorithm (hashing, crypto); key length**
- | secure key generation**
- | secure key storage**
- | signature creation (last round of hashing)**
- | crypto functionality**
- | performance time**
- | assurance level**

Comparable European Projects

- | Finland (Fineid)**
- | Sweden (nat. ID-card)**
- | Italy (nat. ID Card)**
- | Spain (Tass, Ceres)**
- | Portugal (nat. ID Card)**
- | Germany (German Office Card)**
- | UK (framework for municipalities)**

Relevant International developments in co-operation and standardization

- | BIO- api**
- | CEN/ISSS WS e-SIGN**
- | eEUROPE Smart Card Charter**

Smart Card Charter Chapter 10/11 April Lisbon

- Building Trust**
- Enhancing Usability**
- Improving Access**
- Applications & Services**

Smart Card Charter meeting 18/19 September Athens

- 7 trailblazers (Public ID, ID & Aut, Protection Profiles, Generalised Cardreader, E-payments, Contactless cards, Multi application systems, and others)
- TB 1 Public ID: Uniform European Electronic Identifier (data, PKI, biometrics)
- Finland, Netherlands, Austria, France, Italy, Germany....
- Scope and program ready by end of the year
- Open for YOUR participation!!!

Why are we doing this?

to generate TRUST !!!!

Questions ?

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