x

![Card Technology — The Global Magazine Of Smart Cards And Personal Identification — www.cardtechnology.com]

Smart Card ID Projects Around The World

May 5, 2006

Agenda

Scores of nations around the world are finding ways to use smart cards for ID.

- Introduction

- National ID cards

- Health insurance cards

- Travel documents

- Conclusion

Projects

Europe, Asia and the Middle East

Scores of nations around the world are finding ways to use smart cards for ID.

- E-passports

- National ID cards

- Health insurance cards

- Travel documents

National ID Cards

More nations considering and adopting them

As in the United States, not without controversy

in many nations

- Estonia, Malaysia use cards for multiple applications
- Within most of Europe, also a valid travel document
- UK project illustrates issues surrounding national ID cards

Estonia

Nation of about 1.3 million people

Sees technology as an advancement

- More than 900,000 cards issued already

- Cards have been used for electronic voting

- Despite fewer than 2% of voters using their cards for that purpose, officials plan to expand it for 2007 national parliamentary elections

Asia

Japan, Malaysia, Hong Kong among national ID locations

Some schemes are mandatory

- Voluntary Japan national ID has seen little uptake
- Malaysian card also carries payment application
- Hong Kong ID may add a driver's license function

United Kingdom

About 48 million age 16 and higher could carry the card

Optional at first to carry a card, but database registry mandatory

- Ardent opposition against centralized database

- Once 80% of population has a card, it becomes compulsory

- Compulsory carry will require separate legislation under current plans

Health ID Cards

Popular in nations with centralized health schemes

Some have long histories as chip cards; others are seeing first adoption of chip

- Some 80 million electronic health cards expected to be issued in Germany

- Next version of French Sesam Vitale to be more secure

- Belgium may considering adding health function to national ID card

- Goal is to reduce paperwork and costs

Travel Documents

Registered traveler cards, electronic visas possible

Security and cost reduction main drivers

- Privium card at Schiphol airport verifies identity

- Registered traveler concept has legs outside of US

- EU about to start a biometric-based visa program, but has ruled out smart cards for storing e-visas.

- ICAO to study electronic visas

E-Passports

Some 40 nations at work on them

An estimated 550 million passports in circulation

- Early issuers: Australia, Belgium, Denmark, Germany, Japan, New Zealand, Norway, Sweden, Thailand, UK

- EU mandate to add facial image by 2007

- Future ICAO specs will be backwards compatible

- Testing ongoing even as e-passports are being issued

Conclusion

Smart cards are being used for a variety of ID projects around the world

Common issues abound

- Getting people to use the cards is common to almost every smart card ID project

- Must address concerns about privacy and security

- It's not just a card; must look at entire scheme

- The card is not a silver bullet