ID CARDS IN MALAYSIA

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Why is Atmel presenting?

• The representative from the Malaysian government was unable to make this trip

• Atmel has worked closely with the Malaysian government for 2 years, in developing and deploying this smart card with biometrics system

• At their request, and with their support, Atmel attempts to describe the government’s project success to date
Introduction

The Country

- Area: 329,750 sq.km
- Pop: 22 million
- National ID Card issued since 1948
- All citizens (with few exceptions), permanent residents and temporary residents 12 years and above are required by law to carry a National ID card.
- Currently 17 million ID card holders
• **4++** Government and Optional applications

1. **National Identification**

2. **Driving License**

3. **Passport Information**

4. **MEPS Cash**

5. **Health Information**

6. **Public Key Infrastructure (PKI)**
NATIONAL IDENTITY CARD

- An anchor application within the GMPC
- Improved with overt and covert security features
- Integrated with the Automated Fingerprint Identification System (AFIS) and Public Key Infrastructure (PKI) for physical and electronic verification
- Common ID data standardized and shared
DRIVING LICENSE

- Consists of driving license classes and validity, traffic offences and demerit points system.

- Mobile Card Acceptance Device (CAD) with RF will allow online access to database to verify/authenticate traffic records and payment of summons via credit/debit cards.
IMMIGRATION

• To supplement international passport for overseas travel
• Aimed to expedite immigration clearance for departure and arrival at Malaysian entry and exit points
• Immigration Autogate will allow Malaysian passport holders to clear local immigration control via unmanned gates using biometrics features in MyKad
HEALTH INFORMATION

- Contains basic static and dynamic health information
- Provides portable records of basic medical data with ‘nearline’ access to recent medical history
- Data are restricted and accessible only to authorized medical personnel
- Assist treatment in case of emergency and general care situations
- Facilitate communication between public and private health care providers
- This is an ‘optional application’ up to the cardholder to populate the health data
E-Cash & PKI

**E-cash based on PROTON**
- For low value high volume transactions
- Common application for both government and payment MPC
- Max loading value USD 125

**Open PKI Digital Certificate**
- For electronic transactions over open, public network
- Late inclusion as a common security infrastructure for government and cross-flagship applications
Our achievements to date

• Project achievement
  – System and components - READY
  – 4 applications ready:
    • National Identification, Driving License, Passport Information, MEPS Cash
  – 2 applications by mid year:
    • Health information
    • PKI
  – 1,000,000 cards issued up to December 2001
    • All cards manufactured by local card maker, using Atmel’s Flash-based secure microcontroller chips
  – 2 additional applications, Transit and ATM rollout in April 2002
THE SUCCESS FACTOR

WHY MALAYSIA HAS BEEN SUCCESSFUL IN IMPLEMENTING A NATIONAL ID WITH MINIMAL RESISTANCE

• The National ID has always been perceived as a ‘positive document’ with numerous BENEFITS
  - In the late ’40s, 50s & 60s; differentiate between citizens and terrorists elements
  - In the 70s, 90s and 2000s: differentiate between citizens and illegal immigrants
• Facilitates ordinary citizens in their daily transactions – doing business, hire-purchase, doing sales
• 12 years old look forward to proudly own their ‘First Card’ – long before they are eligible for a driving license or credit card
• Now ‘MyKad’ has come out with even more benefits
CONCLUSION

The Malaysian Government has always sold the BENEFITS of the national ID. As long as the perceived benefits outweigh the ‘negatives’ (privacy/ data protection) the citizen will support the National ID.
THANK YOU