

Non-immigration Applications for Incorporation into the Smart ID Card

LegCo ITB Panel and Security Panel

Information Technology and Broadcasting Bureau

20 December 2001

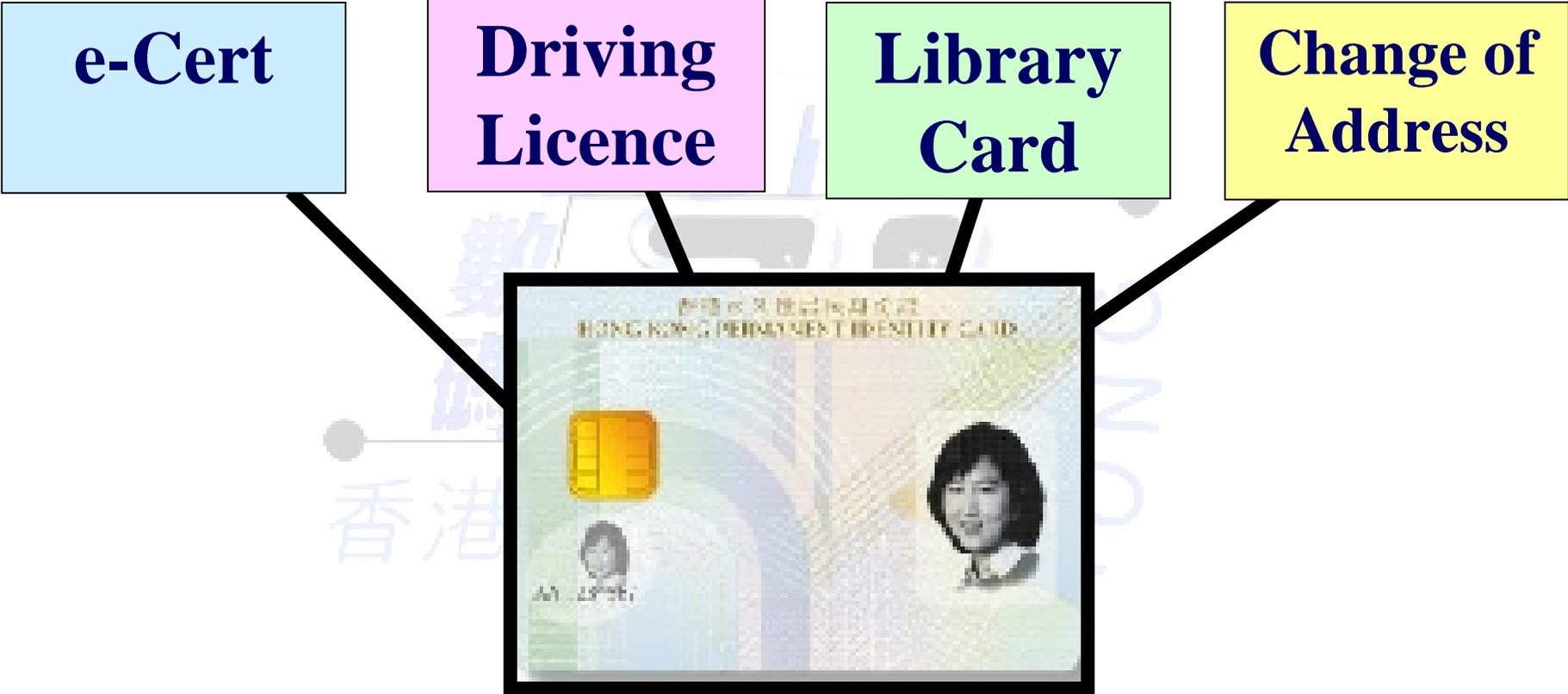
Background



- **Widespread consultation in end 2000/early 2001**
- **Community support for multi-application Smart ID Card**
- **Initial applications previously put forward for consultation :**
 - **Digital Certificate**
 - **Driving Licence**
 - **Library Card**
 - **Change of Address**
 - **E-purse**



Applications to be incorporated into the Smart ID Card



All for voluntary choice by citizens

e-Cert on Smart ID Card



- **Free e-Cert provided by Hongkong Post**
- **Validity : 1 Year**
- **One-stop shop service**
- **Citizens free to opt for free e-Cert or not**



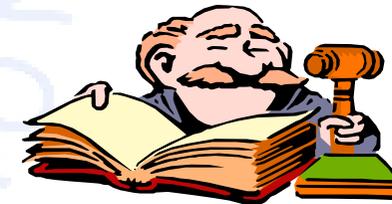
Hongkong Post **e-Cert**

香港郵政電子核證

What is an e-Cert ?



- **Citizen's e-ID**
- **Functions of e-Cert :**
 - ✓ **Authentication over the Internet**
 - ✓ **Digital Signature -same legal status as handwritten signature**
 - ✓ **Encryption of electronic documents**



e-Cert Applications



e-government services



Email encryption



e-banking services



e-stock trading



Internet betting

Opting for Free e-Cert



Get a free e-Cert when applying for Smart ID Card



When applying for Smart ID Card



- Opt for e-Cert
- Opt out e-Cert

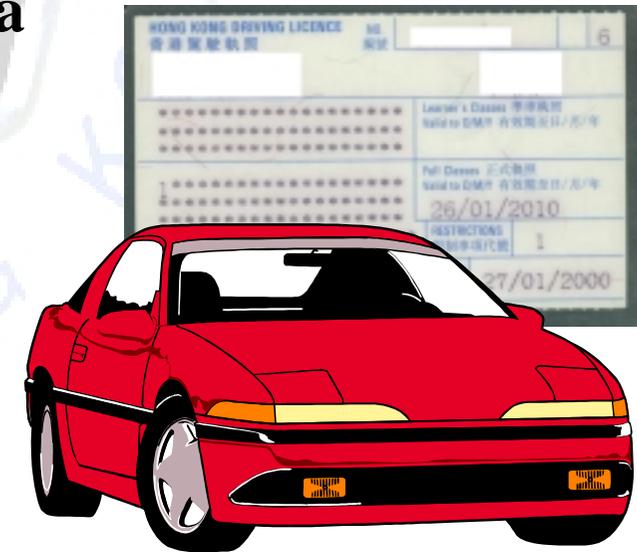
e-Cert already on Smart ID Card when I collect it. It's user-friendly!



Using Smart ID Card for Driving Licence-related functions



- To be provided from 2005-06
- By then, citizens to choose not to carry a physical licence
- No driving licence data to be stored in the Smart ID Card
- Citizens to check driving licence data in Transport Department's backend system through Smart ID Card
- Citizens free to continue using or obtaining a physical driving licence



How Smart ID Card can be used for Driving Licence-related functions



Smart ID Card



**Police's new
Command &
Control
Communications
System (CCII)**



**Transport Department's backend
computer system (VALID IV)**

Benefits of using Smart ID Card for Driving Licence-related functions

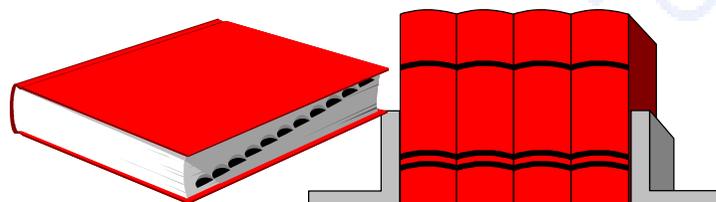


- **Provide convenience and flexibility for citizens - one less card to carry**
- **Meet the various employment and social needs**
- **Make use of new technology**
- **Minimise the need for extra resources**
- **Obviate the need to store additional data in the chip**

Smart ID Card as Library Card



- Citizens to access library services by using the ID card number in the chip
- Citizens free to continue using or obtaining the existing plastic library cards



Benefits of using Smart ID Card as Library Card



- Provide more convenience for the public
- Encourage usage of library services



Using the Smart ID Card for Change of Address



- **Citizens to use the e-Cert on Smart ID Card to change address online**
- **Secure & reliable**
- **Anytime, anywhere**



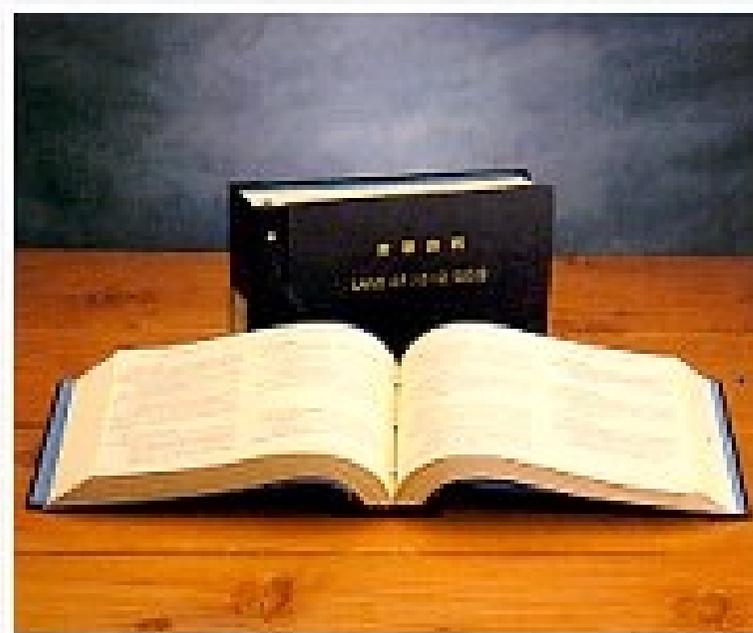
Smart ID Card as E-purse



- **Development of e-legal tender not yet mature internationally**
- **Reserve capacity in the chip for e-purse**
- **Will consult again before implementation**

Legislative Amendments

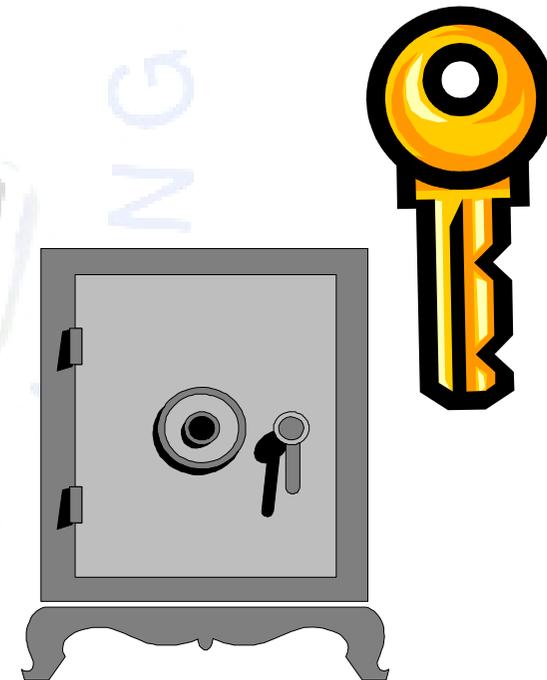
- **Registration of Persons Ordinance (2002)**
- **Libraries Regulation (end 2002)**
- **Road Traffic Ordinance (2005)**



Privacy Protection



- **Privacy protection measures in the following areas :**
 - **On the Card**
 - **Backend Computer System**
 - **Cardholders**
 - **Government users**



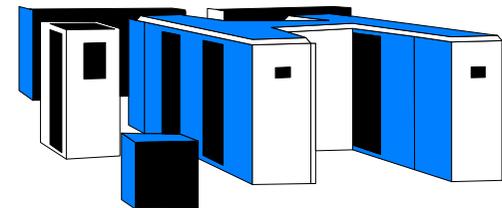
Measures to protect privacy

On the Card

- Only minimal data in the chip
- Sensitive data kept at backend
- Segregation of data for value-added applications
- Advanced security features & cryptographic technology

Backend system

- Stringent system access control
- Sensitive data encrypted in the database and during transmission
- Tamper-resistant hardware security devices



Measures to protect privacy



Cardholders

- Free not to accept the value-added functions
- All stored data available for viewing by cardholders
- Thumbprint template used for authentication to prevent identity theft

Government users

- Strict compliance with Personal Data (Privacy) Ordinance
- Unless authorised, departments do not share database
- Privacy Impact Assessment
- Consultation with Office of the Privacy Commissioner for Personal Data

Benefits of Multi-application Smart ID Card



- Citizens to carry 2 less cards
- Citizens to use the Smart ID Card for any purposes requiring an e-Cert
- Capacity reserved in the chip for future value-added applications





Thank You!