



# The SMART ID Card Design and Use

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## Questions



What information may  
be leaked?



What information is stored inside  
the chip ?



Could some one use my ID card  
to pass through e-channel ?



Keep it in a safe?

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# Smart Identity Card System (SMARTICS)

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## Development of HK ID Card



**Paper ID Card**  
Since 1949



**Laminated ID Card**  
since 1960



**Laminated ID Card**  
Since 1973



**SMART ID Card**  
Since 2003



**2nd Generation  
Computerised ID Card**  
Since 1987



**1st Generation  
Computerised ID Card**  
Since 1983

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# Smart ID Card



➤ Started to issue in June 2003

➤ As at 30 April 2012  
> 10 million smart ID card



➤ SMARTICS  
Processing → Personalisation → Issue

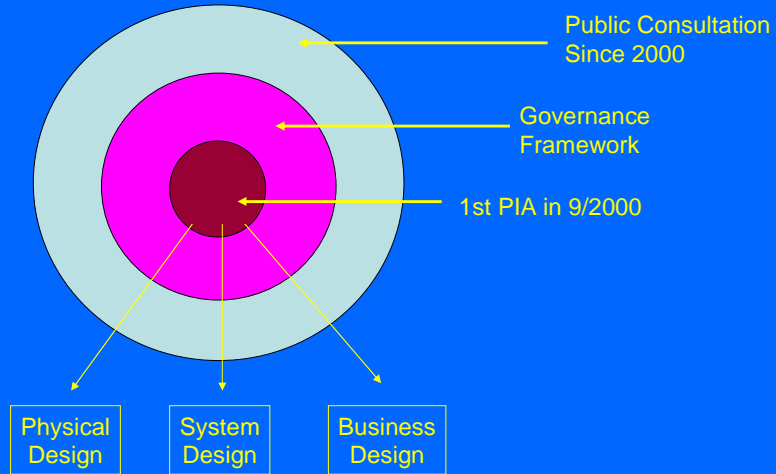
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# Design Approach for SMARTICS



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# Design Approach



# Public Consultation



Public Consultation Campaign



18 District Councils



# High-level Governance Management Framework



- Deputy Director
- Chief Systems Manager
- Project Teams



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# Privacy Impact Assessments



- 4 PIA conducted by privacy consultants during various stages of SMARTICS

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## Comprehensive privacy strategy



- Procedural safeguards
- Privacy enhancing technologies
- Public awareness
- Legislative amendment

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## Amendment to Registration of Persons Ordinance / Regulations



For example:

- Restricting the purposes for which the data collected may be used
- Prohibiting disclosure of ROP data
- Making unauthorised access, use, storage and disclosure of ROP information an offence

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# Physical Design of the smart ID card & the chip

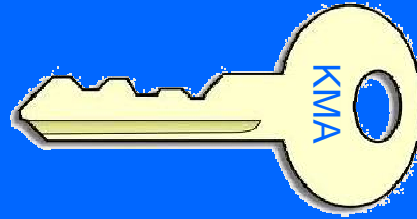
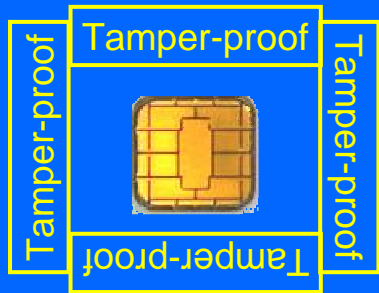
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## Card-face Information



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# Chip – Minimal Data



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# System Design



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# SMARTICS System



- No unauthorised access
- Audit trail reports
- Front-end computer workstation control
- Information encrypted
- Fingerprint images converted into irreversible algorithm in the chip

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# Business Design



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## Respect for User Privacy



- Partitioned booth
- Sound insulation
- Segregated workflow to minimise unauthorised handling of different processes

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## Respect for User Privacy



Self-service kiosk

- Self-service kiosk for verifying registration information
- Prescribed consent from data subject

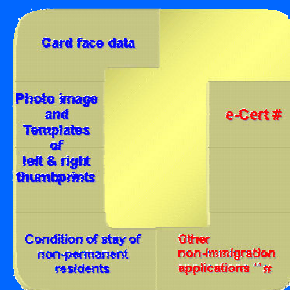
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## Use of Smart ID Card

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## Separate Compartments on Chip



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## Smart ID card can be used for

- Immigration clearance at e-channel
- Applying for HKSAR e-passport at self-service kiosk
- LCSD Library card
- HK Post e-Cert



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## Post Implementation Review

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## Internal Review



- 4th Privacy Impact Assessment (2004)
  - ensure effectiveness in practice of privacy protection measures
- 2 internal privacy compliance self-assessments (2005 and 2008)
  - ensure full compliance of data protection requirements

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## External Review



- Privacy Compliance Assessment
- Submitted to LegCo Panel
- Appropriate policies, practices and guidance in place
- Recommendations implemented



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# Commitment



- Privacy by Design concept
- Ongoing training

*"We did it before, we are doing it now and we will continue to do so in the future."*

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# Thank You



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