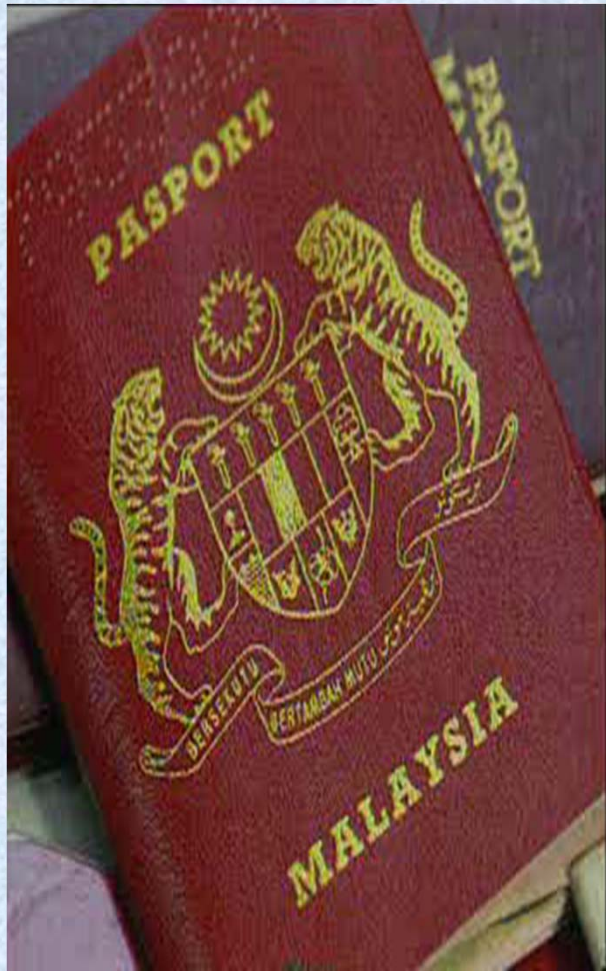




TWELFTH SESSION OF THE FACILITATION DIVISION



THE MALAYSIAN ELECTRONIC PASSPORT

by
Dato' Mohd Jamal Kamdi
Director General of Immigration,
Malaysia





BACKGROUND

Challenges

- Forgery of document
- Tampering of document
- Ensuring the integrity, authenticity and reliability of document
- Information retrieval

1

Traditional

- Increase traditional security features
- Shortened validity of document
- Additional staff

OPTIONS

Revolutional

- use of other means to store
- info on the document – eg. chip, barcode
- Verification of information against central database

ACTION

Incorporate concept of electronic passport in the Modernisation And Computerisation Project

2





The Modernisation And Computerisation Project



1. Administration

- Composite forms
- Electronic passport
- Machine readable Visa / Passes

2. Environment

- Standard look and feel for all branches
- Improved waiting area for customers
- Improved facilities for staff

Modernization

1. Applications system

- all core business (eg. Passport production)
- supporting services (eg. Revenue collection)

2. Centralised databases

3. Networked to HQ

Computerization

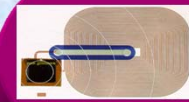




Malaysian Electronic Passport



- ◆ In 1998, World's first electronic passport was launched
- ◆ 8Kbytes chip embedded in back cover of passport.
- ◆ Textual data, photo image and thumbprint image encoded in chip as one data file
- ◆ Chip has a *write once* design
- ◆ Total issued – 4.5 million
- ◆ Validity of Document limited to 5 years
- ◆ Lifespan of chip : 10 years



chip





Malaysian Electronic Passport (with biometric)



- ◆ In 2003, Passport with thumbprint biometric was launched
- ◆ Maintain 8Kbytes size
- ◆ Changes :
 - ❖ Replacing the thumbprint image with a thumbprint biometric template
 - ❖ The chip was segmented to add a *write many area* for recording a specified number of movement information
- ◆ Total issued - 123,055



chip





Malaysian Electronic Passport



**SMART
CHIP**

Bahawasanya atas nama Yang di-Pertuan Agong Malaysia diminta semua yang berkenaan supaya membenarkan pembawa pasport ini lalu dengan bebas tanpa halangan atau sekatan dan memberi apa-apa jua pertolongan dan perlindungan yang perlu kepadanya.

These are to request and require in the name of the Supreme Head of Malaysia all those whom it may concern to allow the bearer to pass freely without let or hindrance, and to afford the bearer such assistance and protection as may be necessary.

PASPORT MALAYSIA

	Jenis / Type / Kod Negara / Country Code P MYS	No. Pasport / Passport No. A13136885
	Nama / Name NUR FAIZAH RAZIQIN AHMAD ZAINAL ABIDIN	No. Pengenalan / Identity No. 910317025904
	Warganegara / Nationality MALAYSIA	Tarikh Lahir / Date of Birth 17 MAR 1991
	Tempat Lahir / Place of Birth KEDAH	Tinggi / Height 168 cm
	Jantina / Sex PEREMPUAN - F	Tarikh Tamat Sah laku / Date of Expiry 18 MAR 2009
	Tarikh dikeluarkan / Date of issue 18 MAR 2004	
	Pejabat Pengekuar / Issuing Office KUALA LUMPUR (HQ)	

P<MYSNUR<FAIZAH<RAZIQIN<AHMAD<ZAINAL<ABIDIN<
A131368853MYS911177F0903189910317025904<<58

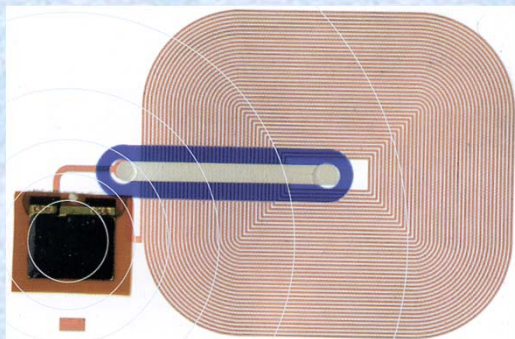
**Machine Readable Zone
OCR-B
(ICAO STANDARD)**





The Substrate

- ◆ Contactless Silicon Substrate
- ◆ Developed by IRIS Corporation for the Malaysian Government
- ◆ Inserted between the layers of document
- ◆ Patented - Washington DC August 29, 2000



The first generation chip



Current chip
comply with ISO 14443

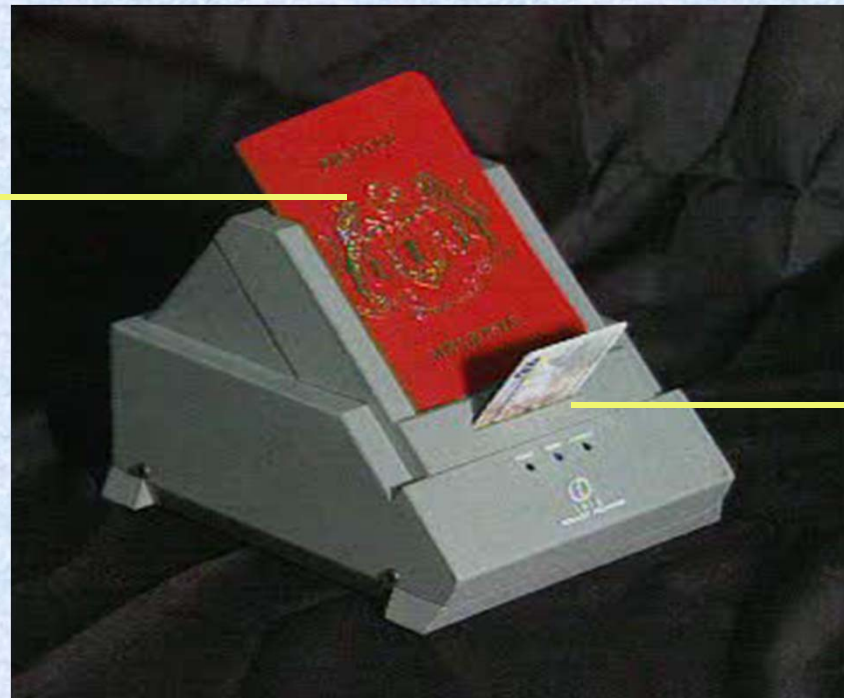




The Electronic Chip Reader



CONTACTLESS
DOCUMENT
INSERT/ CARD



CONTACT
CARD

- *Able to read both contact and contactless card/document*
 - *295 units installed at all entry/exit points nationwide*





The Autogate



Pin-hole Camera

Passport Reader

MyKad Reader

Colour LCD Display

Finger-print Scanner

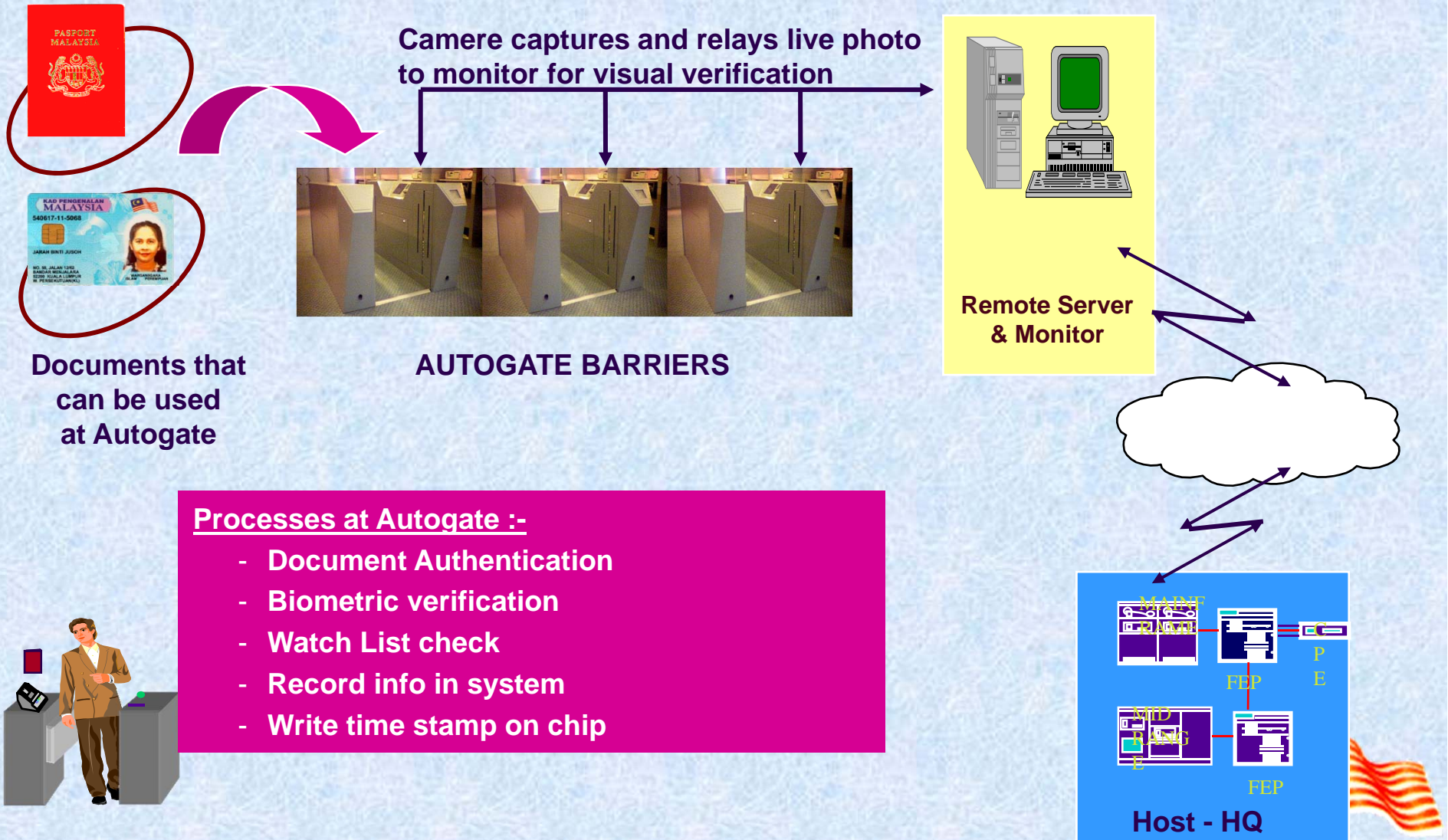


49 units installed nationwide





The Autogate





Benefits



Electronic Passport

- ◆ Very secure travel document
(Tamper proof document, combat terrorism, forgeries and fraud)
- ◆ Host country more confident of the identity of their Malaysian visitor and the authenticity of his document
- ◆ Enable automated verification

Autogate

- ◆ Secure automated clearance
- ◆ Faster clearance time
- ◆ Automatic information recording and time stamping on chip



With Counter



With Autogate





MS ISO Recognition



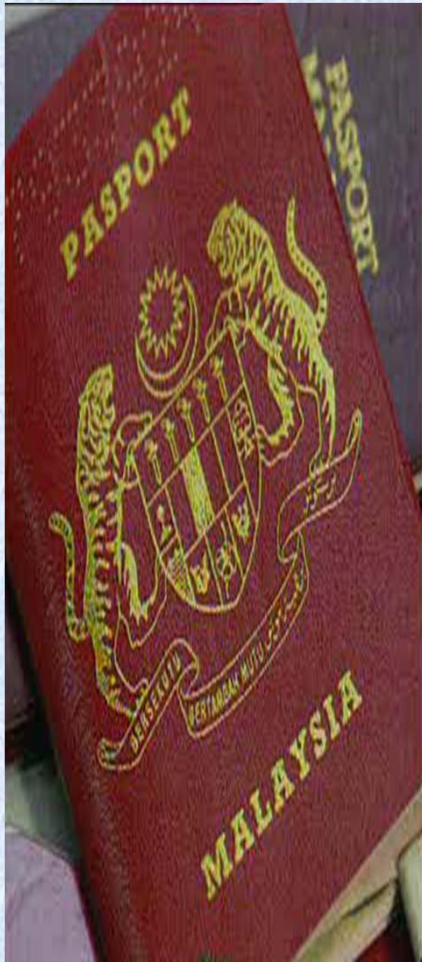
**Certified MS ISO 9002 : 1994
from December 2002**

**Currently in the midst of
getting the MS ISO 9001 : 2000
certification**





Future



- ◆ **Passport Application through kiosks**
- ◆ **Passport Application through the internet**
- ◆ **Frequent Traveler Card**
(Extending automated immigration clearance to foreign visitors)
- ◆ **Considering the Advance Passenger Processing**





TWELFTH SESSION OF THE FACILITATION DIVISION



THANK YOU

*Department of Immigration,
Malaysia*





BACKGROUND



Approach

- ❖ **Implement an immigration control system for efficient and effective border management**
 - ❖ **Introduce the electronic passport to improve document's authenticity, integrity and reliability**
 - ❖ **Implement the visa, pass and permit issuance system**





BACKGROUND





Benefit

FLEXIBILITY

- ◆ Unique Backward Compatibility - allows customization specific to individual needs
- ◆ Versatile / Easy to implement :
 - Standalone
 - Integrated

