

# *Smart* Gate

## **THE AUSTRALIAN SMARTGATE SYSTEM**

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# Australia's business drivers

- More efficient processing
- Enhanced border integrity



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# Automated Border Control system needs to:

- Verify identity of user
- Interface with existing immigration and data based law enforcement alert system
- Provide platform for automated passenger processing system

# Introducing SmartGate

- World-first face recognition border control system
- Operating since November 2002
- Qantas international aircrew
- In partnership with DIMIA and Australian Passports with co-operation from Qantas

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# SmartGate Refresher

- Enrolment@Customs enrolment centre
- 3 simple steps to use
  - Place
  - Look
  - Proceed
- Use MRZ of passport to transact with kiosk



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# SmartGate Stages

- SmartGate checks person's enrolment and passport validity
- Face recognition initiated
- SmartGate confirms aircrew listed on flight manifest
- Immigration/Customs checks completed

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# Current Performance stats\*

Over 5000 crew enrolled

- > 131,000 transactions
- Average processing time of 17 seconds
- 4 – 6% total referrals to Customs officer  
(~ 2% of these referrals are FR related)

\* As at 01/07/2004

# Technical evaluation

- During 2003 Customs undertook a formal evaluation of the SmartGate trial
- SmartGate Evaluation Committee
  - Technical Evaluation – (DSTO)
  - User Evaluation – AC Nielsen
  - Ergonomic Evaluation – ACTSAFE Pty Ltd
  - Expert Evaluation – Drs. Wayman and Mansfield

# Evaluation Outcomes

- Technically sound
- Met original program goals
- Recommend expansion to other groups
- DSTO proposed further research to address outstanding issues with passport images - completed Aug 04

# The Key Outcome

- To achieve comparable results to the original Smartgate Trial with a single Passport Photo Image, the conditions under which the passport photo was taken need to be replicated as close as possible at the border live verification point
- Lighting
- Distance from Camera (pose / perspective)

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# Trial Expansion

- The Australian Government has committed a total of A\$9.7 million in 2004-05 towards developing biometric technology
- An allocation of A\$3.1 million is enabling Customs to expand its Automated Border Control trial, SmartGate

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# Trial Expansion

- At a minimum of two major international airports
- Use by additional crew and selected passengers
- Trial with AUS biometric passports
- Develop a strategy for a production automated border control system for consideration by Government

# Trial Expansion #1



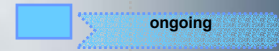
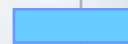
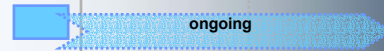
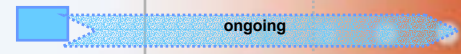
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# Trial Expansion #2

## Key Activities

- MRZ SmartGate & Aust chip reader SmartGate kiosks, Pax, e-passport holders and additional crew @ two airports
- Collect transaction data for evaluation
- Evaluation of data, US-Australian e-passport trial commences
- Completion of SmartGate trial

Q3 04			Q4 04			Q1 05			Q2 05		
Jul	Aug	Sep	Oct	Nov	Dec	Oct	Nov	Dec	Apr	May	



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# Questions



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