Transformation Through Innovation

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Hollywood and Biometrics - 2002
Biometrics in Daily Life

Walt Disney World pass holders use an RFID card instead of paper ticket

VCU Students can access their meal plans at dining halls using two iris cameras

Wells Fargo is testing voice recognition and iris scanning to authenticate customers using mobile applications
Objectives

1. **Entry/Exit**
   Match arrival and departure records on foreign nationals

2. **More Informed Decisions**
   Increase and improve the availability of Exit data for decision makers

3. **Law Enforcement**
   Extend the zone of U.S. Security, and lead partner law enforcement agencies in information sharing and innovation

4. **Adopt Biometrics**
   Test and evaluate emerging biometric technologies

5. **Mitigate Risk**
   Integrate viable, secure, and cost-effective solutions

6. **Unity of Effort**
   Share information with other law enforcement agencies and support a DHS Unity of Effort

The Future of Biometrics and Border Security
Entry/Exit Mission

Reinforce the integrity of the multi-layered Border Security enterprise by deploying cutting edge, biometric technologies to capture accurate entry and exit data; transform the traveler experience; and drive efforts to combat criminal and terrorist travel.

Improvements must be made end-to-end – from Entry to Exit – to be most effective.
We’re Committed to Writing a Whole New Playbook for Entry/Exit Processing

1. Close Biographic Gaps
   Improve biographic Entry/Exit matching and reporting across all modalities

2. Targeted Biometric Operations
   Implement short-term biometric solutions based on priority and risk

3. Transform Processes
   Evaluate processes and non-intrusive biometric solutions to transform operations
Close Biographic Gaps

Improve Biographic Matching and Reporting

**Robust Matching Capability**
Assessing biographic data on foreign nationals entering and exiting via air/vessel manifests

**Canada Data Exchange**
Implementing northern border biographic Entry/Exit system via data exchange

**Mexico Data Exchange**
Identifying biographic data sharing opportunities

**SWB Exit Experiments**
Test solutions to improve collection of biographic data on exit leveraging existing investments in technology
Targeted Biometric Operations

Implement Short-term Biometrics Pilots based on Priority and Risk

1:1 Face ePassport
Entry Pilot
Confirm the identity of travelers presenting travel documents to enter the U.S.

Biometric Exit (BE) Mobile
Confirm with certainty that a foreign traveler has departed the U.S.

Pedestrian Biometric Field Test - Entry
Determine if facial/iris capture can be incorporated into current Entry process without significant impact

Pedestrian Biometric Field Test - Exit
Test viability of facial/iris image capture in an outdoor land Exit environment

The Future of Biometrics and Border Security
1:1 Face ePassport Entry Pilot

Over 5,000 Travelers Processed

Preliminary Results
- Facial comparison technology can advance the integration of biometrics into the inspection process
- Virtually eliminates the imposter threat
- Strengthens national security

Next Steps
- Add high volume airports as feasible – currently deployed to JFK and Dulles
- Explore integration and expansion opportunities

The Future of Biometrics and Border Security
Biometric Exit (BE) Mobile

**Departure Gate Intercepts**
Handheld devices used to create biometric records for a limited and random number of foreign travelers to confirm with certainty that a foreign traveler has departed the U.S.

**Integrated Threat Picture**
Biometric records, anti-terrorism ("hotlist") and contraband enforcement operations, combine to create an integrated threat picture.

**Data Analyses**
Captured data provided input to the cost-benefit analysis of a comprehensive biometric-based Exit solution.

**Status Update**
Deployed at Dallas, Los Angeles, Miami, Newark, New York and San Francisco.
Pedestrian Biometric Field Test - Entry

Outdoor Land Environment
Determine if biometric face & iris capture can be incorporated into current Entry process without significant impact to operations and wait times

Kiosk Stations
New Entry kiosks allow travelers to pose for face/iris capture during application process

Database Creation
Entry process will run for approximately 60 days before Exit process to create an enrollment database

Test Launch
Entry enrollment began December 2015
Pedestrian Biometric Field Test - Exit

Outdoor Land Environment
Determine if biometric face/iris capture can be incorporated into current Exit process without significant impact to operations and wait times.

Data Matching
- Collect biographic data on U.S. Citizens and foreign travelers exiting the U.S. and match that to Entry data.
- Collect biometric face/iris data on foreign travelers exiting the U.S. and match that to biometric face/iris data collected on Entry.

Additional Security
Create an additional layer of security at Southwest border.

Test Launch
Exit verification began earlier this month and will conclude in May.
The Future is Now
Questions?