DEFINING THE VISION | BIOMETRIC ENTRY EXIT CONCEPT

Through a biometric matching service and the use of biometric data CBP will transform travel processing by:

• Retrieving all associated traveler images from DHS holdings and segregating them into smaller, more manageable data sets (i.e., by flight, by cruise)

• Fusing biometric and biographic information enabling the biometric to be the key to verifying traveler identity

The biometric matching service is a device agnostic, secure, cloud based technical infrastructure to support advanced identity verification.
Facial matching service is **scaled and ready** to support nationwide biometric exit deployment.

- Successfully deployed air exit demonstrations at 8 airports, expanding to additional locations.
- Secured 15 entry/exit partnerships with airports and airlines.
- Aggressively pursuing expansion of partnerships with additional partners.
- Deployed Entry to ATL, MIA, JFK, MCO, IAH, SAN, SJC, LAX, FLL, IAD, LAS, Aruba, Abu Dhabi, Shannon, and Dublin.
- Expanding with Sea Partners, Royal Caribbean and Norwegian Cruise Lines.
- Land Third Country National solution deployed to 4 sites.
- 2018 Land pilots planned for pedestrian and vehicles.
Using facial recognition, CBP will confirm identity of all travelers and create a streamlined travel experience.

**SIMPLIFIED ARRIVAL**

- CBP anticipates arrival of travelers
- Builds galleries using travel photos
- Matches traveler on arrival and performs query
- Officer performs admissibility interview

**SIMPLIFIED DEPARTURE**

- Confirms identity upon boarding, CBP records U.S. departure
- Verifies identity at security with facial recognition
- Checks bag with facial recognition
- Traveler checks in using face
CBP’s Matching Service enables travel partners to achieve **Simplified Travel** while meeting the Biometric Exit Mandate.

**WHY IT WORKS**

- Uses existing traveler biometrics
- No new data requirements
- Matches one to few utilizing cloud infrastructure
- Token-less processing
- Integrates into existing airport infrastructure
- Extends to land and sea environments
- Trusted source for identity verification
<table>
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<tr>
<th>Process</th>
<th>Exit Flights Processed</th>
<th>Exit Participating Passengers</th>
<th>Entry Flights Processed</th>
<th>Entry Participating Passengers</th>
<th>Preclearance Flights Processed</th>
<th>Preclearance Participating Passengers</th>
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<tr>
<td>Exit</td>
<td>6,000</td>
<td>981,000</td>
<td>38,000</td>
<td>3.6 million</td>
<td>9,400</td>
<td>1.3 million</td>
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APR - JUN
- Initiated demonstration projects with new partners
- Expanded entry to Abu Dhabi, Shannon preclearance locations
- Secured commitments to expand with Orlando, Delta, Houston and San Jose
- Continued planning with TSA for TVS/Secure Flight Integration

JUL - SEPT
- Executed demonstration projects with new partners
- Expand entry and exit deployments
- Secured commitments with Dulles, Tampa, San Francisco, Los Angeles, Austin, Dallas Ft. Worth
- Performed Phase II TSA Pilot Monitor progress

SEPT - DEC
- Prioritize stakeholders for ‘19, continue demonstrations
- Monitor stakeholder commitments
- Continue working with TSA on Integration
- Secured commitment with new partners Las Vegas, BWI, Salt Lake City, Ontario and working finalize with other participating

Airline Partnership:

Our stakeholders are ready for seamless travel, and CBP is enabling the ability to move forward
SIMPLIFIED TRAVEL | PARTNER SOLUTIONS IN ACTION

JetBlue – Paperless Boarding at BOS

Los Angeles – E-gates

Airlines integrate facial biometrics and use CBP’s agnostic matching service to board aircraft
By Partnering with CBP, our stakeholders will see benefits from entry to exit utilizing our matching service including:

- **Faster Flight Clearance Times on Arrival:**
  - CBP has measured an average of 11.8 minute faster Flight Clearance Times across sites that have deployed facial recognition processing on Entry

- **Faster Boarding Times:**
  - Lufthansa reported boarding 350 passengers onto an A380 in 20 minutes at LAX
  - British Airways reports significantly faster boarding times vs. standard process at MCO

- **Enhanced Customer Experience:**
  - JetBlue reports biometric boarding meters passengers better, resulting in less waiting time in the jet way and passengers just walk to their seats

- **Better use of CBP Staffing:**
  - Elimination of fingerprinting and passport swipes increases throughput and allows CBP officers to focus on interview and inspection
TSA is evaluating the use of facial recognition utilizing CBP’s facial matching service. The integration of facial recognition for identity verification will enhance security and better utilize resources, while moving towards a frictionless travel experience.

• **Phase I:** October 2017 at JFK Terminal 7. Examined the viability of utilizing facial recognition to verify the identity of travelers at the TSA checkpoint.

• **Phase II:** August 2018 at Los Angeles International Airport’s Tom Bradley International Terminal.

• **Phase III:** 2019 - Full integration between CBP and TSA
Vehicle At Speed
  • Capture of private vehicle occupants’ faces at both entry and exit

Third Country National Plan
  • BE-Mobile for Pulse and Surge Operations and Mobile App for TCN self-report

Pedestrian Technical Demonstration:
  • Test Facial Recognition technology at entry and exit

Engagement with Foreign Partners
  • Biographic data exchange

CBP has a multi-pronged strategy to integrate biometrics on the land border
SIMPLIFIED TRAVEL | COMMITMENT TO PRIVACY

- **Transparency Efforts:**
  - Briefing Sessions with Privacy Advocates and Stakeholders
    - August 2017 in DC, January 2018 in California
  - DHS Data Privacy and Integrity Advisory Committee Meeting
    - September 2017, May 2018, and July 2018

- **Notification to the Public:**
  - Privacy Impact Assessments Completed for CBP and Airline Led Projects
  - Online Content at CBP.GOV
    - Fact Sheets
    - Frequently Asked Questions
  - Signage at Demonstration Sites and Gate Announcements
  - US Citizens not wishing to have a photo taken can request an alternative ID verification process

- **Facial Images:**
  - *Retention Period:* No more than two weeks for confirmation of travelers’ identities, evaluation of the technology, assurance of accuracy of the algorithms, and system audits.

*CBP commitment to transparency builds public trust* while enhancing security and facilitate travel.
Dan Tanciar, Deputy Executive Director
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