



U.S. Customs and
Border Protection

CBP ENTRY EXIT TRANSFORMATION OFFICE CHANGING THE FACE OF TRAVEL

July 2018



U.S. BIOMETRIC ENTRY EXIT | BACKGROUND



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1996

Legislation mandating biographic entry and exit system

2001

Legislation requiring the collection of biometrics for entry and exit

2004

Biometric entry collection begins for non-immigrant travelers

2013

CBP assumes biometric exit mission and begins various pilots

2016

Facial Recognition Exit Test begins and leads to realistic biometric solution

2017

CBP successfully demonstrates facial biometric matching service

2018

CBP develops comprehensive biometric approach to travel

Facial recognition emerged as the key to connecting a traveler's biographic and biometric data.

DEFINING THE VISION | BIOMETRIC ENTRY EXIT CONCEPT

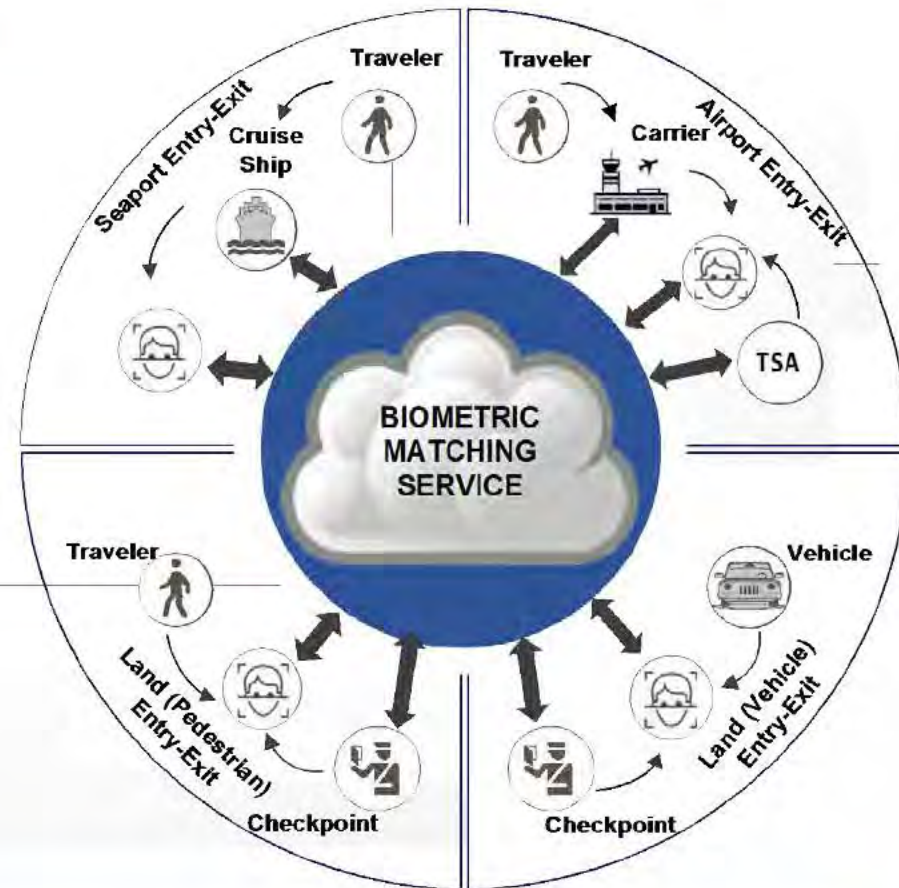


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Through a biometric matching service and the use of biometric data CBP will transform travel processing by:

- 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.



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CBP's VISION | THE FUTURE OF TRAVEL



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Imagine a world where...



Travelers have no need
for a travel document....

International travel is no
longer stressful...

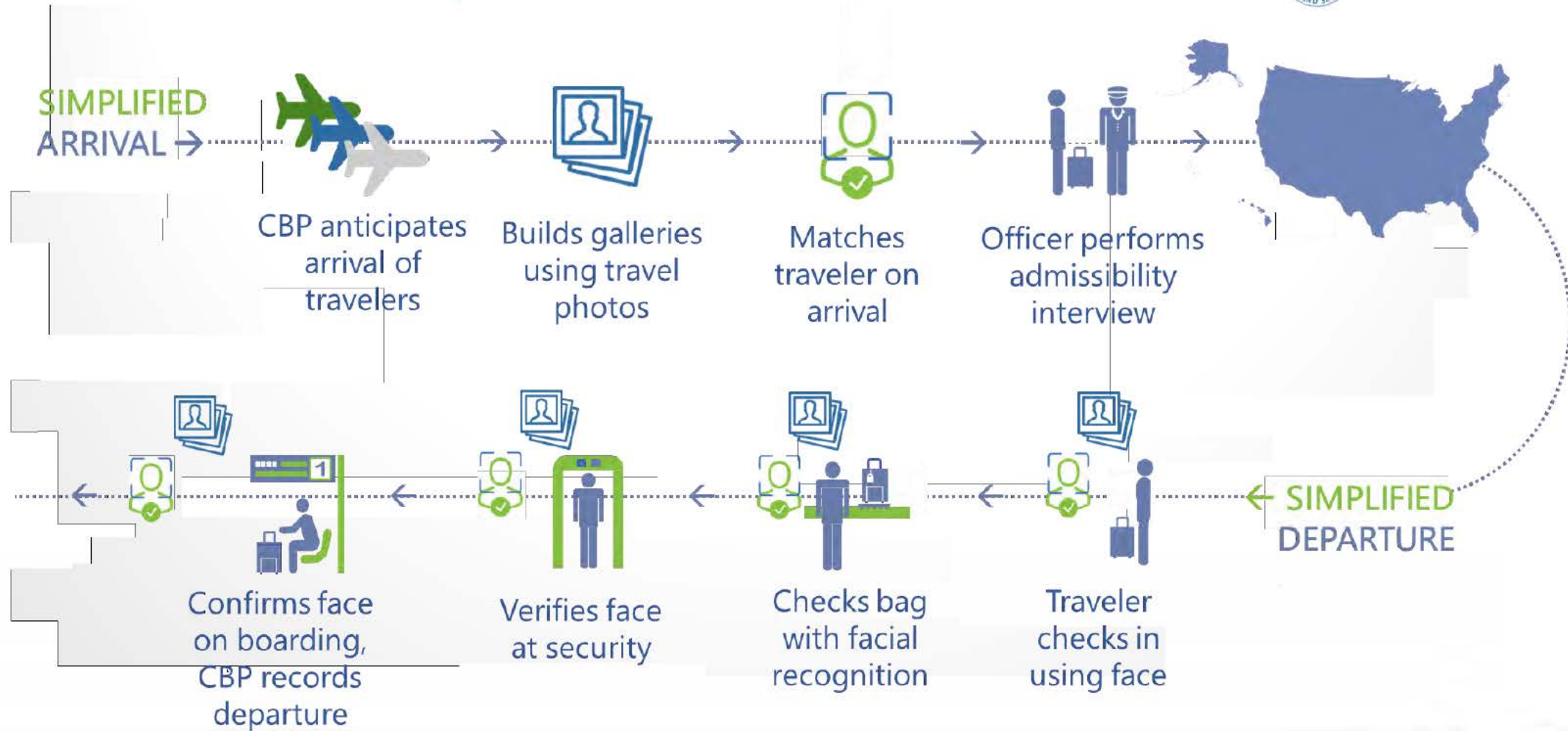
And security is
transparent...

We can TRANSFORM border security and the traveler experience through the use of facial recognition.

SIMPLIFIED TRAVEL | HOW WILL IT WORK?



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Using facial recognition, CBP will confirm identity of all travelers and create a streamlined travel experience

CBP'S INVESTMENT | A FACIAL MATCHING SERVICE













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OFFICER NAME

AIR FLIGHT 295 LAND SEA

92% Passengers Processed 306 / 331 Flight ATL to NLT Today 12/12/14 Time 12:30 PM

Match	Passenger Name	Date of Birth	Document	Status
  +8	Smith, James	01/08/1992	P TR3456201 JP	Match
  +5	Sally, Jane	09/12/1980	P TR1010201 JP	Match
  +2	Mark, Robert	04/05/1959	P 534564981 US	Match
  +1	Tanaka, Yuri	03/27/1979	P 568049423 US	No Match
  +3	Arntson, Keenan Lane	09/02/1991	P TR2935948 JP	Match

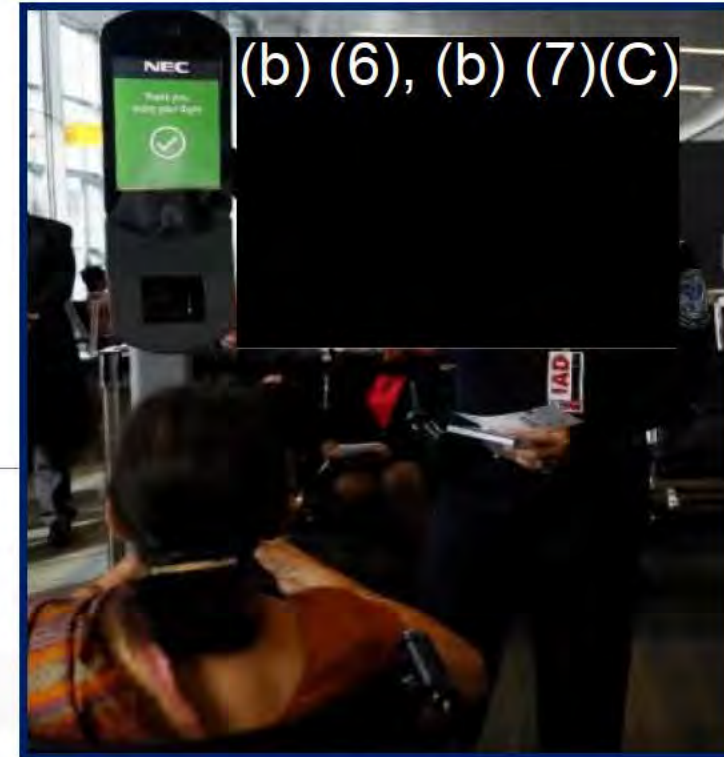
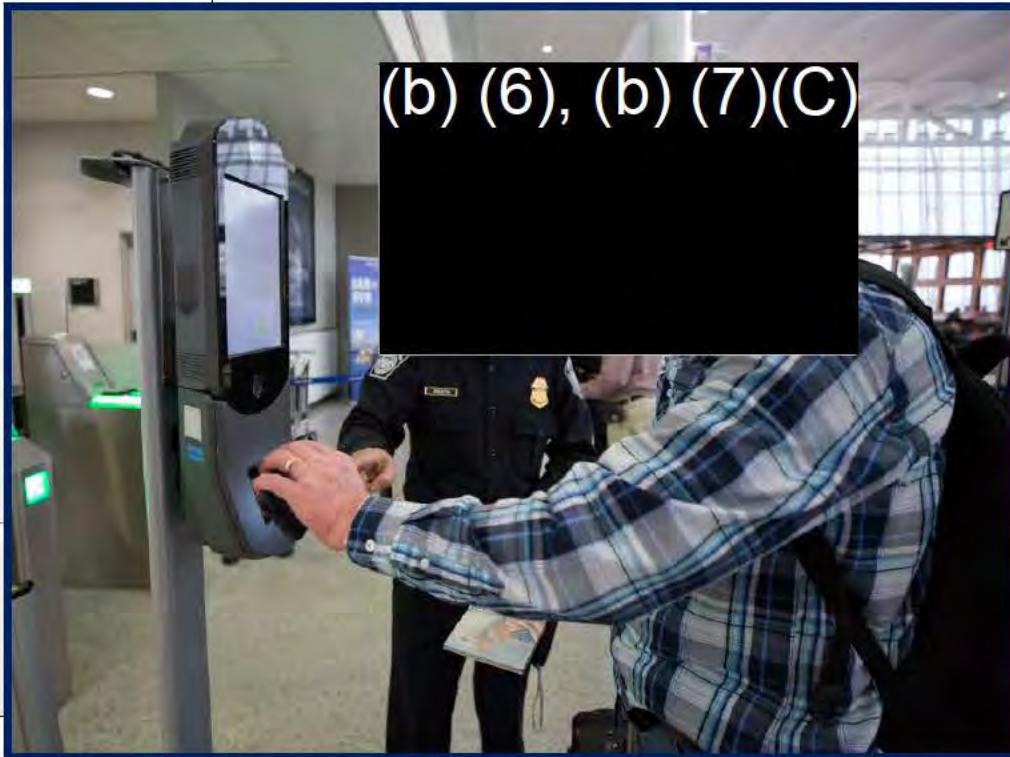
CBP's Matching Service enables travel partners to achieve *Simplified Travel* while meeting the Biometric Exit Mandate

SIMPLIFIED DEPARTURE | TECHNICAL DEMONSTRATIONS



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Biometric exit demonstrations are operational at 9 international airports using CBP's facial matching service.



Technical demonstrations validated the positive performance of facial biometric matching against existing traveler photos

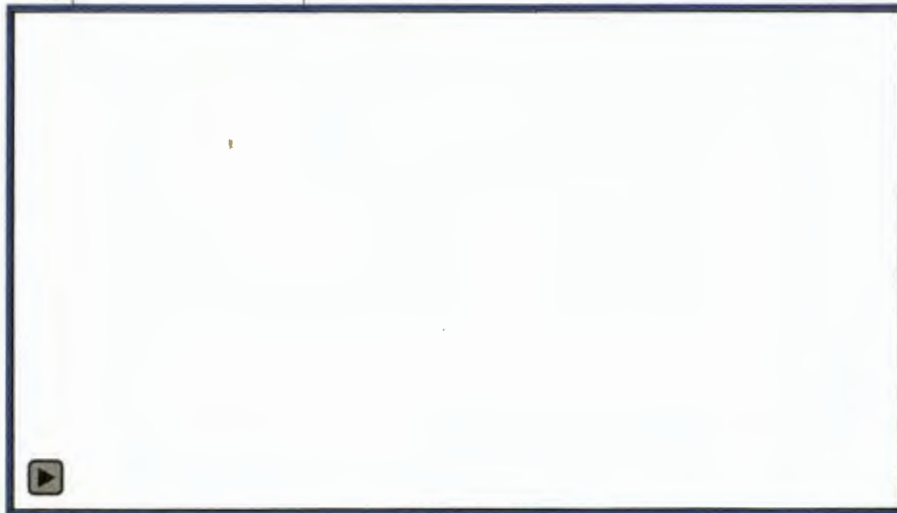
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Simplified Departure | FLEXIBLE SOLUTIONS AT DEPARTURE



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JetBlue – Paperless Boarding at BOS



British Airways – E-gates at MCO



Airlines integrate facial biometrics and use CBP's agnostic matching service to board aircraft

USCBP000032



SIMPLIFIED TRAVEL | BENEFITS

Faster Flight Clearance Times on Arrival:

- **Proof point:** 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:

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

Enhanced Customer Experience:

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

Streamlined Traveler Process:

- **Proof point:** Elimination of fingerprinting and passport swipes increases throughput and allows CBP officers to see more travelers

There are significant benefits from using CBP's facial recognition service



SIMPLIFIED DEPARTURE | PERFORMANCE METRICS

Biometric Exit performance since June 2017



3,400

Flights Processed



385,000

Passengers
Processed



98.2%

Match Rate



93%

Travelers with
Photos

*Due to increase number of Canadian
travelers.



2401

Overstays
Confirmed

Simplified Departure has been tested heavily over the past year with excellent results

SIMPLIFIED TRAVEL | TSA Partnership



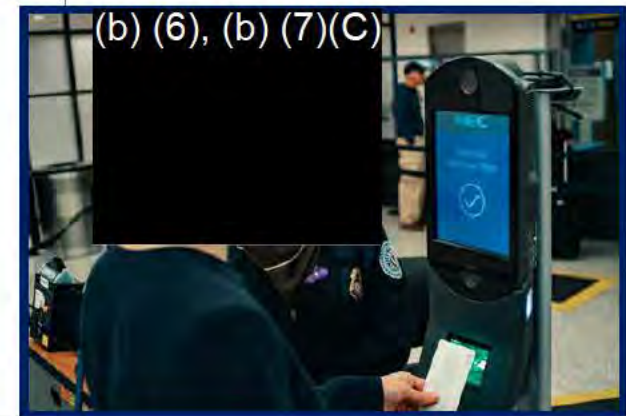
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Use facial recognition at TSA checkpoints for identity verification to enhance security and better utilize resources, while moving towards a frictionless travel experience.

➤ 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.

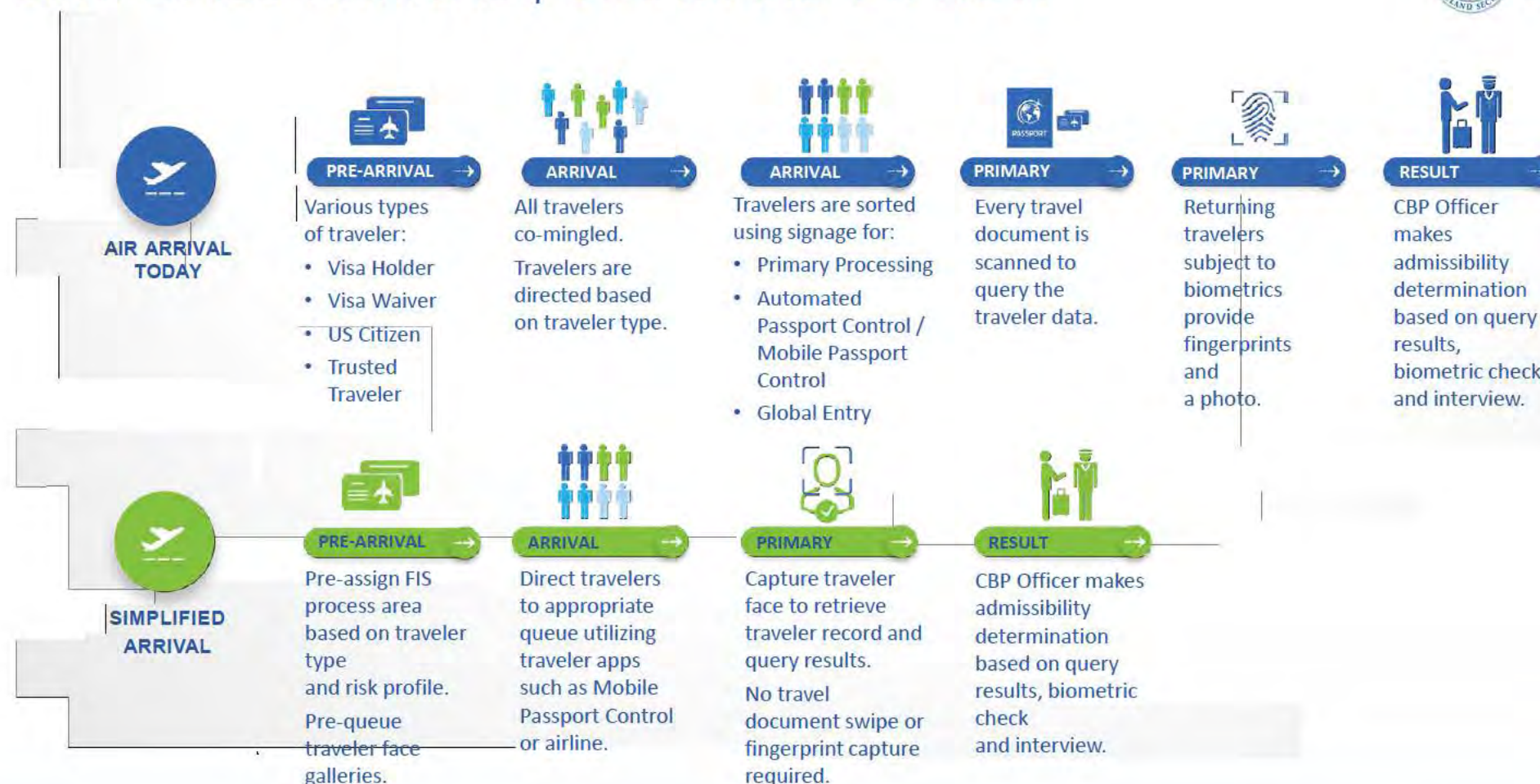
➤ Phase II: August 2018 at Los Angeles International Airport's Tom Bradley International Terminal.

➤ (b) (5)





SIMPLIFIED ARRIVAL | STANDARD VS. NEW



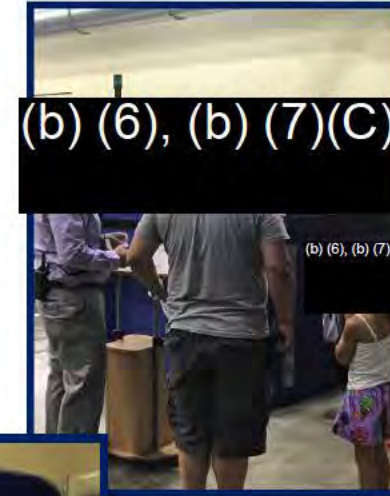
*By Simplifying Arrival, CBP Officers are able to focus on **admissibility and enforcement***

SIMPLIFIED SEA TRAVEL | PROGRESS AND PLANS



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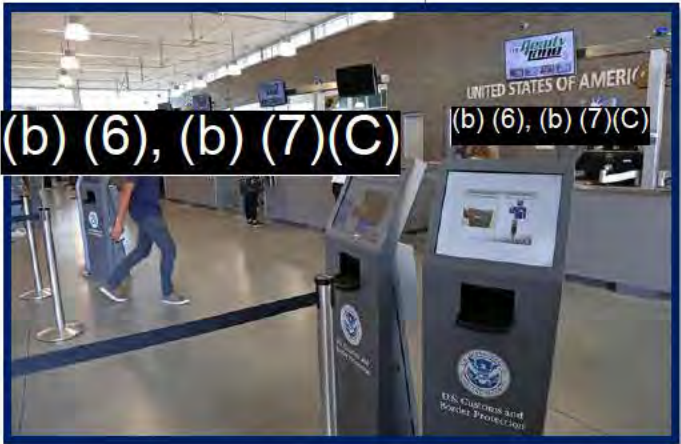
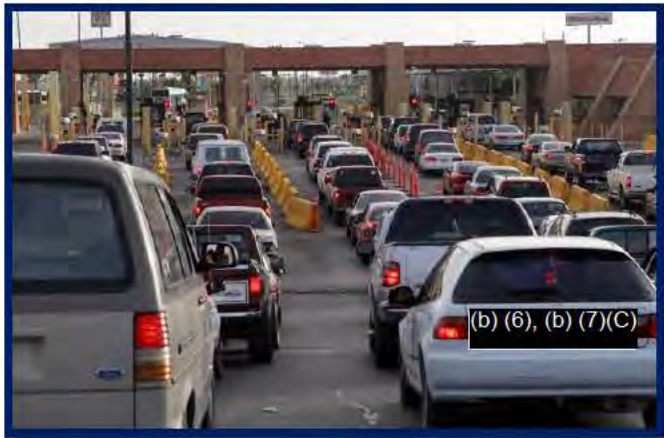
- CBP is (b) (5) with the cruise line industry
- In 2017, CBP tested facial recognition capabilities with cruise lines for closed loop cruises which demonstrated **decreased passenger clearance time by 40%** for facial recognition lanes.
- Utilizing CBP's facial matching service, CBP will (b) (5)



Cruise Lines integrate facial biometrics into processes and use CBP's matching service.

SIMPLIFIED LAND TRAVEL | PROGRESS AND PLANS

- (b) (5) [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]



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
- DHS Data Privacy and Integrity Advisory Committee Meeting

Notification to the Public:

- Privacy Impact Assessments Completed
- Online Content at CBP.GOV
 - Fact Sheets
 - Frequently Asked Questions
- Signage at Demonstration Sites and Gate Announcements, and tear sheets

Opt-Out Process:

- US Citizens not wishing to have a photo taken can request an alternative ID verification process



CBP commitment to transparency builds public trust while enhancing security and facilitate travel.

SIMPLIFIED TRAVEL | CONNECT WITH US



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Entry/Exit Transformation Office
Office of Field Operations
U.S. Customs and Border Protection

Partner Inquiries: (b) (7)(E)

WE ARE READY... ARE YOU?