



ICAO

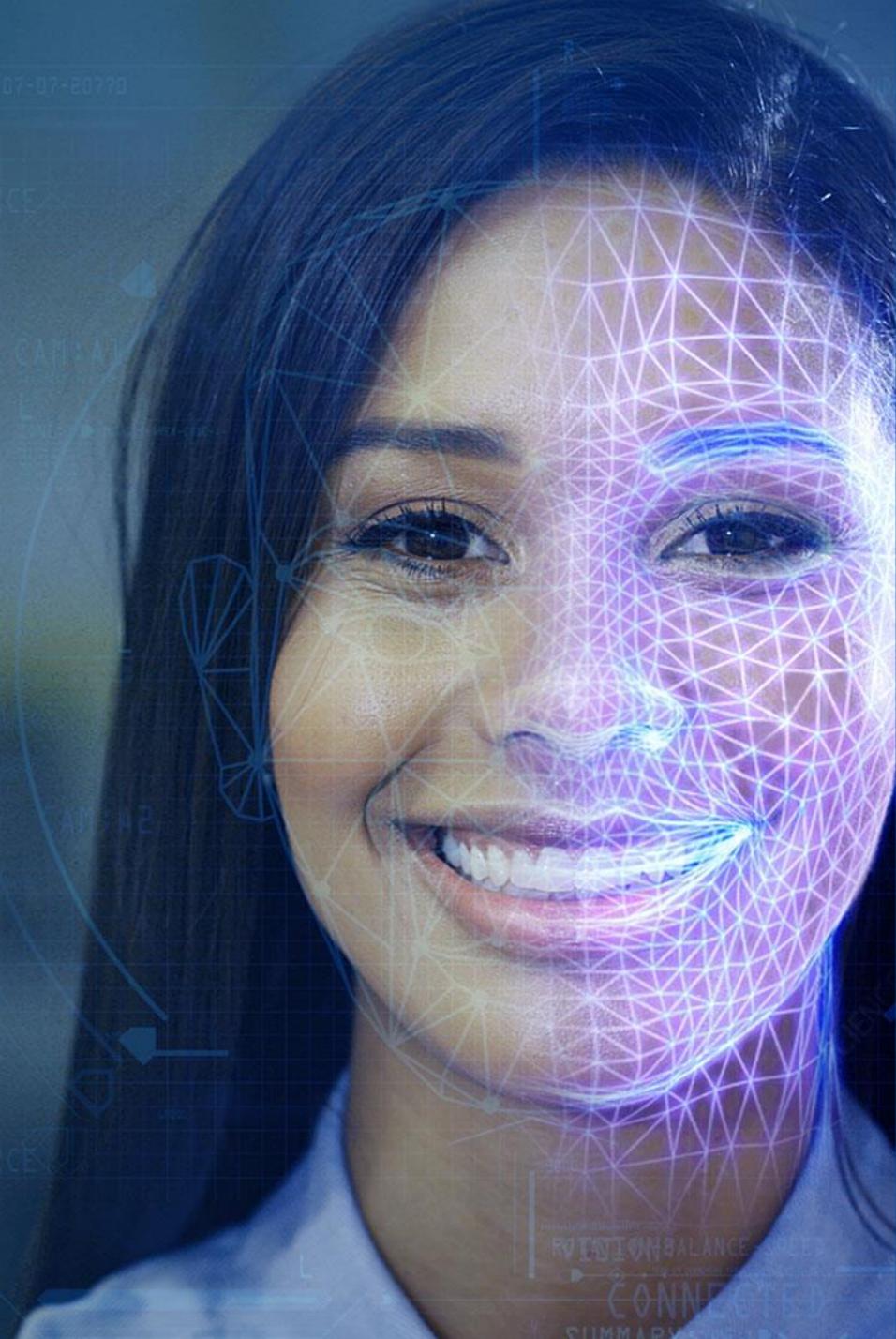


INTERPOL

Joint ICAO/INTERPOL Biometric Forum

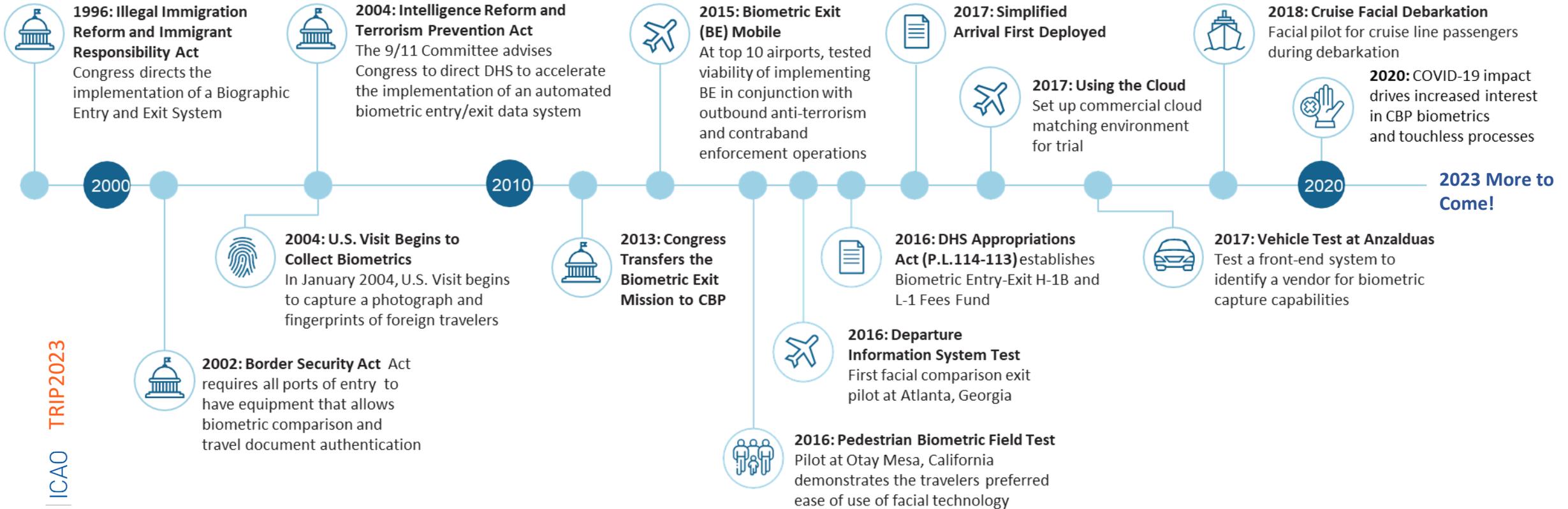
Following TRIP2023

14 September 2023 | Montreal, Canada





TIMELINE: HOW CBP HAS CHANGED THE FACE OF TRAVEL



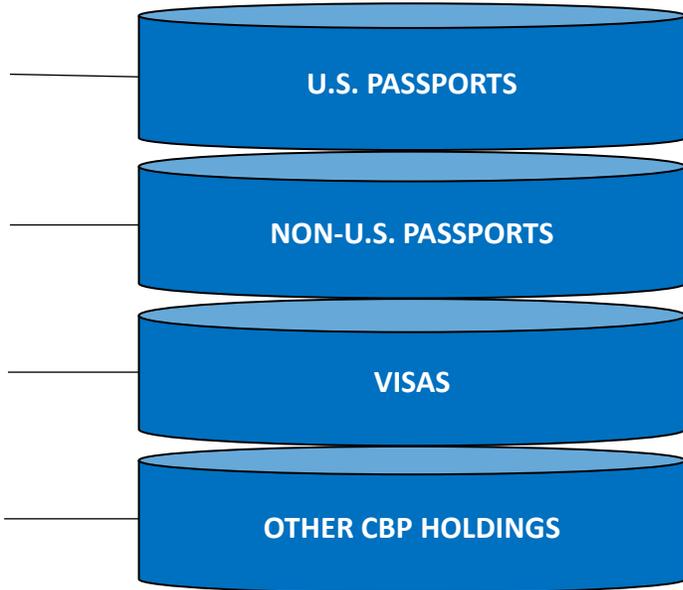
- The 9/11 Commission stated that “a biometric entry-exit system is an essential investment in national security”
- CBP executed and delivered a Biometric Entry-Exit Program delivering biometric confirmation in the travel continuum in partnership with airlines, airport authorities and sea cruise lines worldwide

- Uses existing traveler biometrics
- Integrates into existing infrastructure
- Offers better accuracy, security, and efficiency
- Provides privacy and security by design
- Supports the Air, Land, and Sea environments
- Can be used for Check-in, Baggage, Boarding, and Aviation Security
- Reduces the need to scan a travel document
- Minimizes the need to take fingerprints
- Faster boarding times and faster debarkation





Photos within CBP Holdings Travel Documents Sources



CBP creates a temporary gallery of photographs and unique identifiers (UIDs) for passengers on all departing and arriving U.S. flights.

U.S. Customs and Border Protection interface for Flight 295. The interface shows a progress indicator for 92% Passengers Processed (306 / 331). The flight is scheduled for today, 12/12/14, at 12:30 PM. A table lists passengers with their photos, names, DOB, document numbers, and status.

MATCH	PASSANGER NAME	DOB	DOCUMENT	STATUS
+8	Smith, James	01/08/1992	P TR3456201 JP	Boarded
+5	Sally, Jane	09/12/1980	P TR1010201 JP	Boarded
+2	Mark, Robert	04/05/1959	P 534564981 US	Boarded
+1	Tanaka, Yuri	03/27/1979	P 568049423 US	No Match
+3	Arntson, Keenan Lanae	09/02/1991	P TR2935948 JP	Boarded
+4	Matsuyama, Asuka	06/15/1983	P 759403592 US	Boarded



The Flow Of Biometric Processing With TVS



BIOMETRIC ARRIVAL

CBP receives manifest from airlines

CBP builds galleries using travel photos

Traveler checks in with airline

Matches traveler on arrival

Officer performs admissibility interview



Confirms face on boarding, CBP records departure

Verifies face at security/TSA

Checks bag with facial comparison/TSA

Traveler checks in with airline

CBP builds galleries using travel photos

CBP receives manifest from airlines

BIOMETRIC DEPARTURE





Public Notice

- Privacy Impact Assessments
 - DHS has published more than 10 Privacy Impact Assessments on all aspects of CBP’s Biometric Entry-Exit program, which include policies and procedures for the gathering, storage, analysis, use, dissemination, retention, and deletion of data
- Signage, Gate Announcements, and Tear Sheets
- Opt-out process with manual ID check for U.S. citizens and otherwise exempt noncitizens



Limited retention of facial images

- U.S. Citizen photos deleted within 12 hours
- CBP business rules restrict retention of photos by stakeholder partners. CBP assesses compliance.



Enhanced security measures

- Data encryption both in transit and at rest
- Device access restricted to authorized personnel
- TVS creates irreversible templates separated from biographic data, associated only with a unique ID.
- Privacy is implemented by design, ensuring data protection through the architecture and implementation of the biometric technology

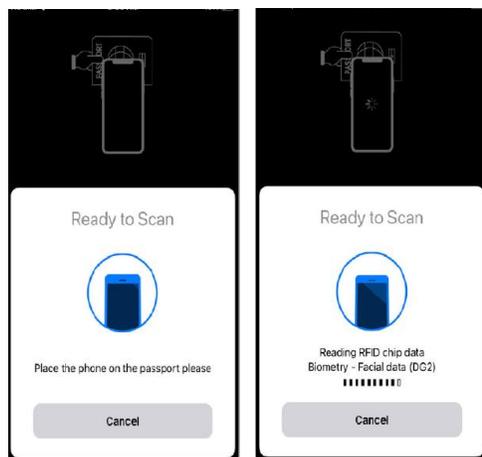


The new ESTA app reinforces CBP’s mobile application strategy. Now, with the ESTA mobile app, travelers will have the Visa Waiver Program in the palm of their hands.

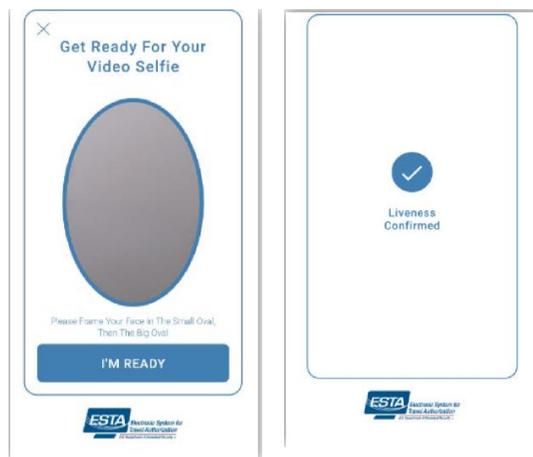
BENEFITS OF THE ESTA MOBILE APP

The Mobile APP for the first time allows CBP to collect biometrics from potential Visa Waiver Program (VWP) travelers prior to their arrival in the United States.

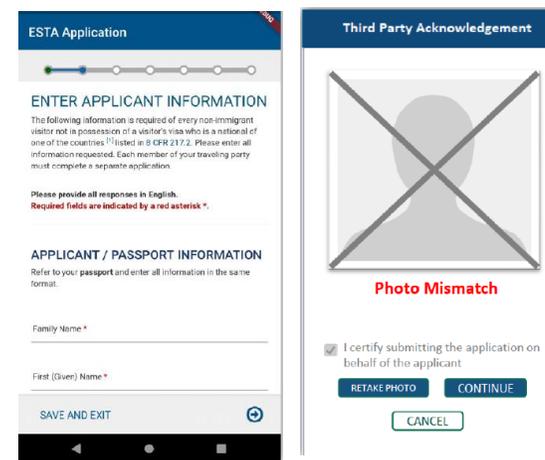
Step 1



Step 2



Step 3



THE IMPACT

Received over
[220,000+]

ESTA applications as of Aug 12, 2023

Current Photo Match Rate

[99.46%]

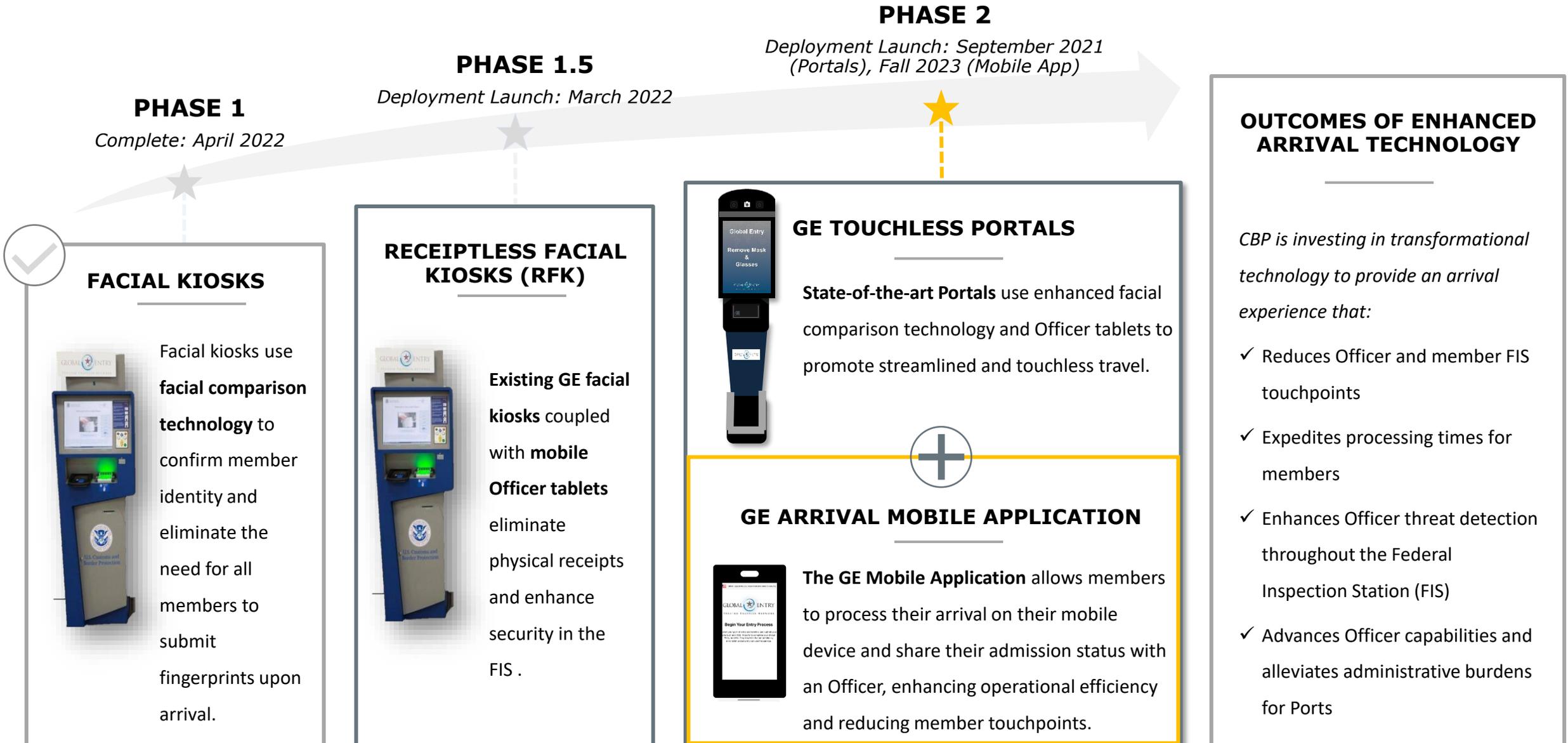
As of Aug 12, 2023

CBP will continue to improve the Mobile APP to enhance the traveler experience.

Global Entry Technology Enhancements



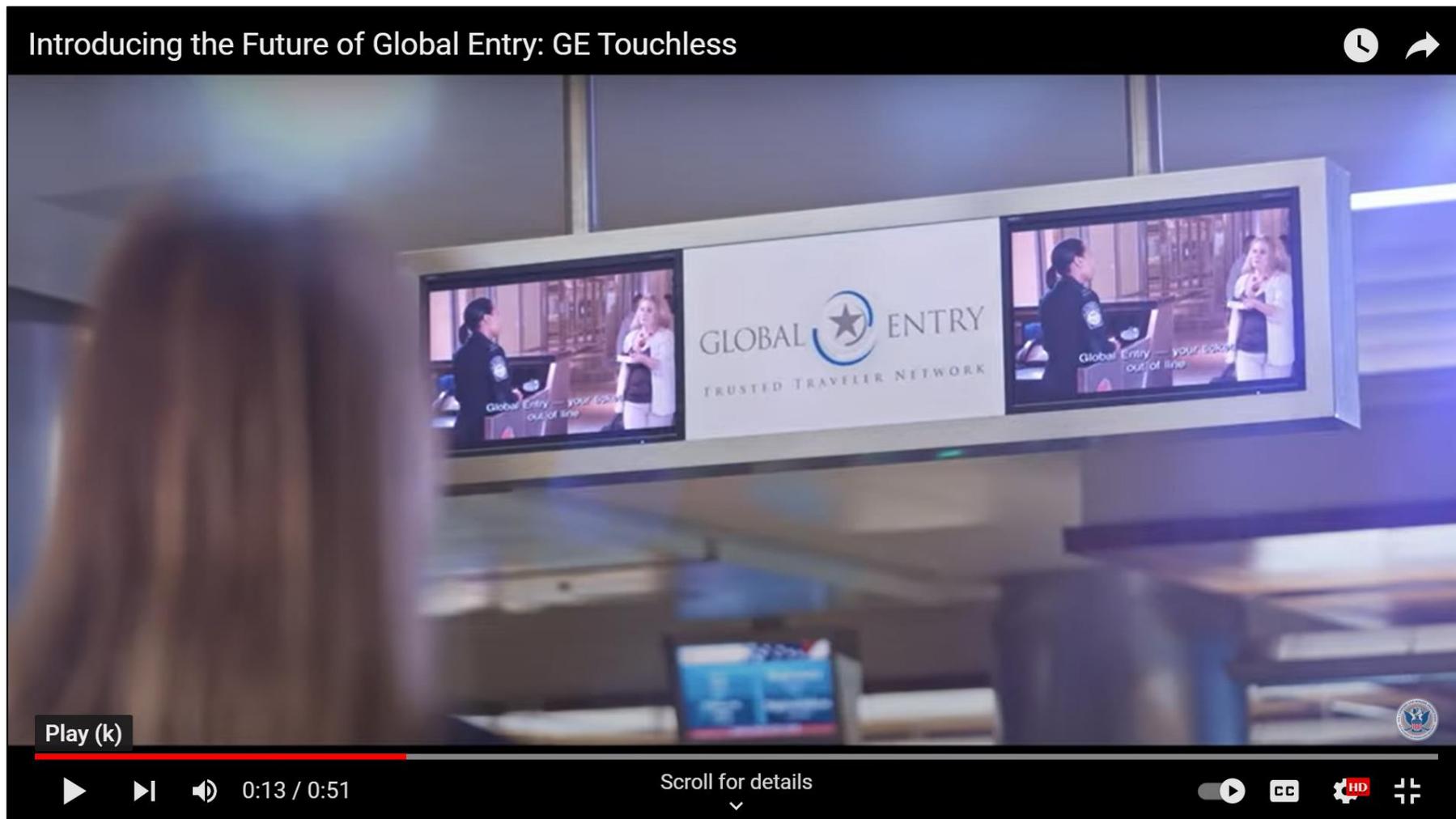
CBP is prioritizing the upgrade of all GE arrival technology through the implementation of three new technology phases, all of which enhance the speed, accuracy, and security of the arrival system in a timely, effective, and financially efficient manner for all GE Ports.



Future of Global Entry: GE Touchless



The future of GE arrival video is being used to increase awareness amongst the public about CBP's new arrival technology. This aims to educate members on what to expect during arrival and reduce the burden on Officers to answer member questions about technology procedures. 9



View the [video](#) on YouTube



Global Entry Arrival Mobile Application Overview

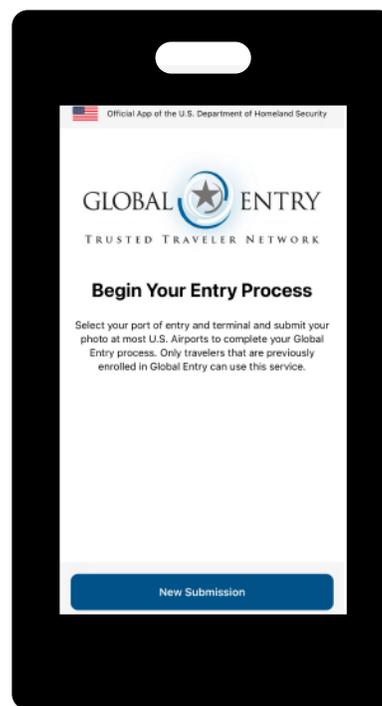


Once a GE member lands in the United States, or arrives at a Preclearance location, they can begin processing their arrival on their IOS or Android device. 10

GE ARRIVAL MOBILE APPLICATION*

IMPACT

- 1 Member downloads GE Mobile App and enters their ttp.gov log in information
- 2 Once a member lands (and is geographically within 1 mile of the FIS), they can select “New Submission” on the app
- 3 Member follows application prompts – selecting their airport/terminal and capturing/submitting a photo
- 4 Member submits photo and receives a receipt on the Mobile App or a prompt to use GE Touchless Portals/see a CBP Officer in the FIS
- 5 Member follows FIS wayfinding guidance prompted by the app and shows their mobile receipt to an Officer, when prompted, or uses a Portal for additional processing (if referred)
- 6 Officer checks receipt code, completes additional processing if necessary, and grants the member entry



Expedites processing by enabling the arrival process to begin as soon as the GE member lands in the US



Confirms traveler identify and ensures admission status via facial comparison technology and vetting systems



Enhances flow of FIS by decreasing the number of members interacting with a GE Touchless Portal



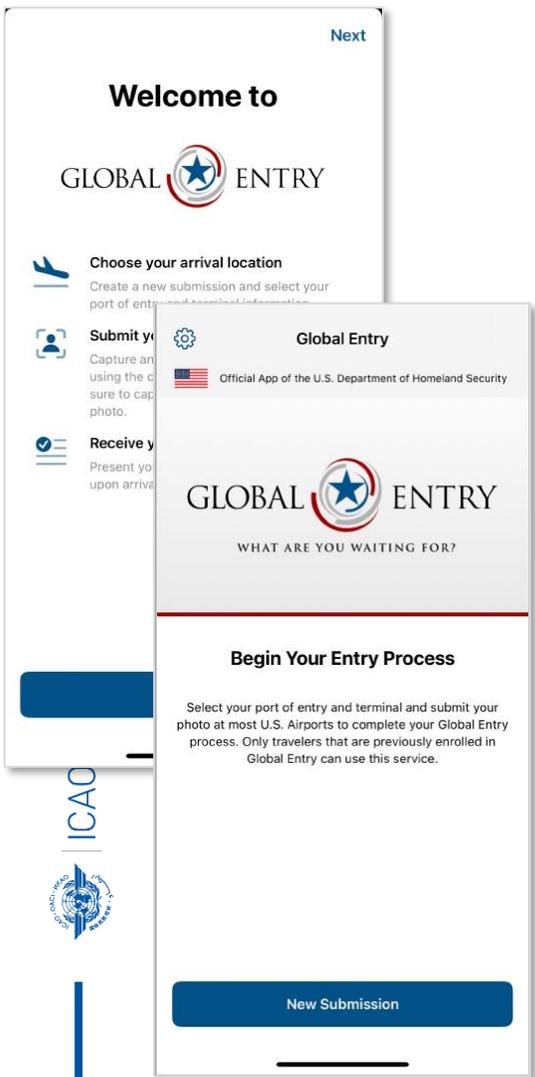
Reduces FIS and Officer touchpoints by capturing a photo and displaying a receipt on the member’s mobile device. Potentially more accessible and family friendly

GE Arrival Mobile Application Overview (continued)

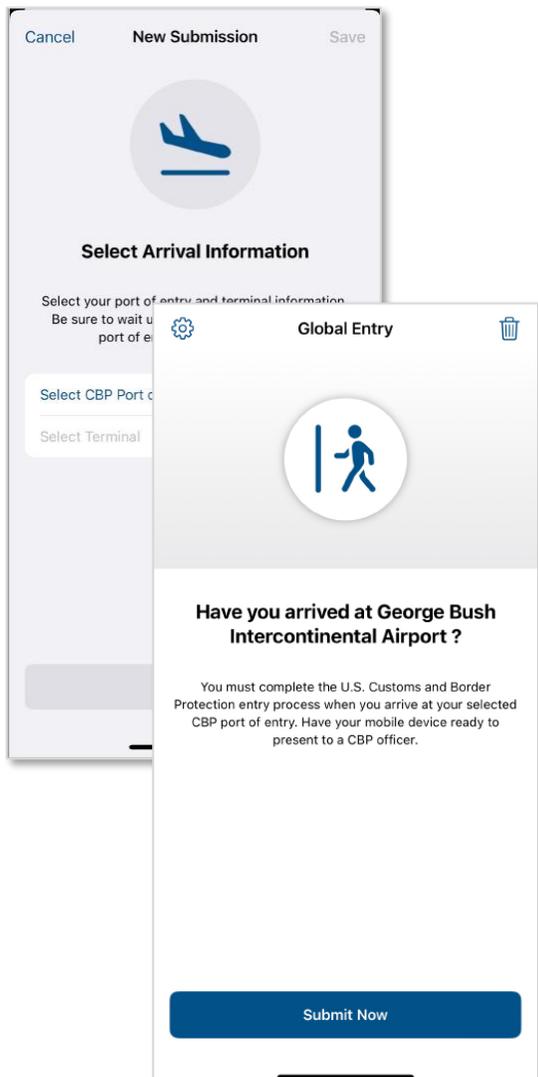


After downloading the app and logging in, the GE member will input their arrival information, capture their photo, and submit their arrival to CBP.

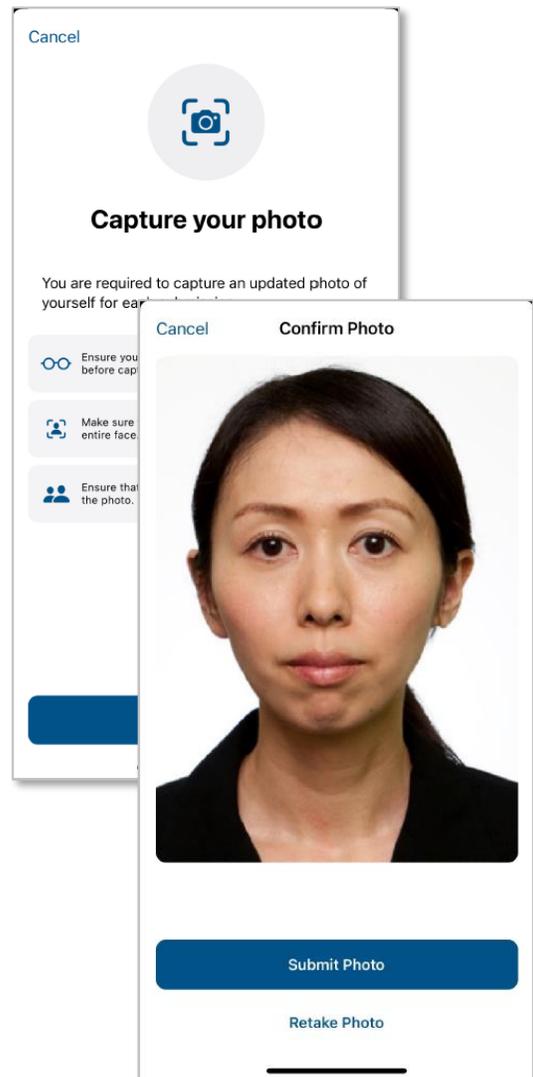
1 Instructions



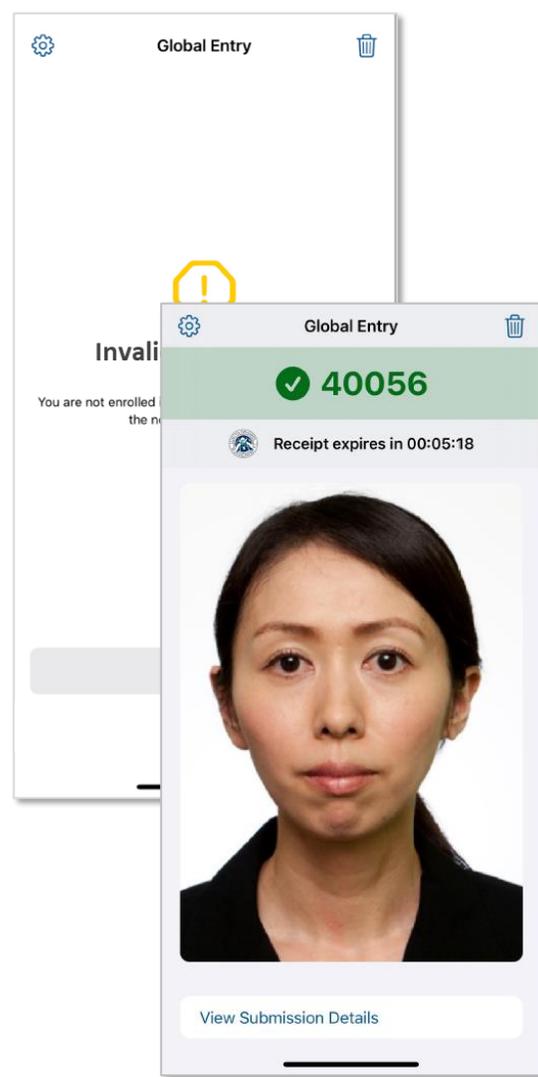
2 Arrival information input

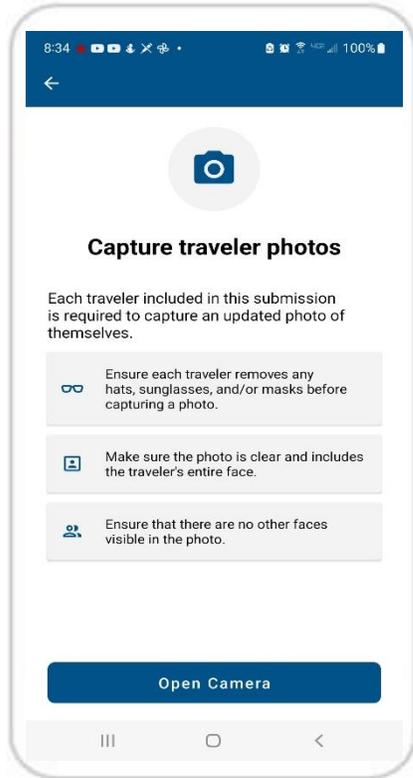


3 Photo capture and submission



4 Mobile receipt or prompt to use a GE Touchless Portal

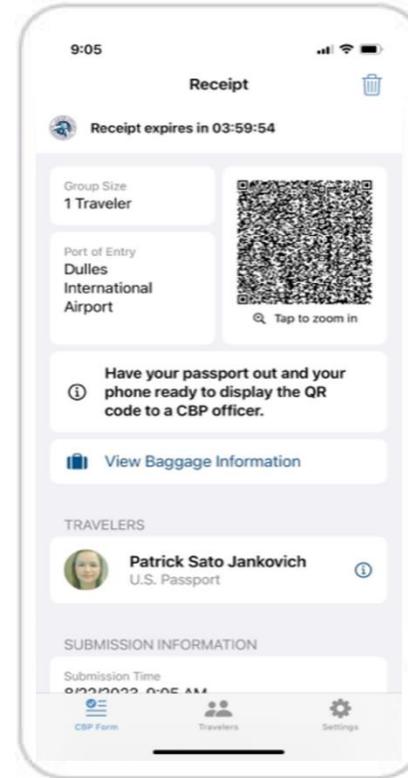




Instructions



Capture Selfie



MPC Receipt

1. Traveler is provided instructions on selfie capture.
2. Photo capture can be done from main or selfie camera. Up to 12 travelers can be submitted at one time.
3. Photo(s) submitted to CBP's Traveler Verification Service (TVS) for verification and travel details.

Enterprise Capabilities

The CBP Biometric Facial Comparison Capability provides enterprise capabilities in an accessible, cost-effective, and efficient way that can meet wide-ranging requirements with minor adaptation. As CBP moves towards the future, we are guided by the following principles:



- Providing options to travelers
- Respecting privacy
- Working with stakeholders
- Partnering with industry
- Preparing travelers through education on new processes

Benefits to Mission:

- Biometric Facial Comparison Technology enhances CBP's ability to facilitate lawful travel and secure the border.
- TVS is scalable and has been applied to very successful use cases in other areas where travelers are required to verify their identity with a travel document.
- Other partners have been able to leverage capabilities in TVS to help further their mission requirements.
- Leveraging this capability strengthens our ability to accurately identify travelers in a more efficient manner.



Admissibility and Passenger Programs
Office of Field Operations
U.S. Customs and Border Protection

