



LAWA Innovation and IT

August 8, 2018

Biometric Solutions

Biometric Exit

- CBP Traveler Verification System (TVS)
- 12 Self-Boarding Gates (SBG) with Facial Recognition, Document Reader
- 4 SBGs at 3 departure gates at TBIT for large capacity aircraft (A380)
 - Gates 152, 154, and 156



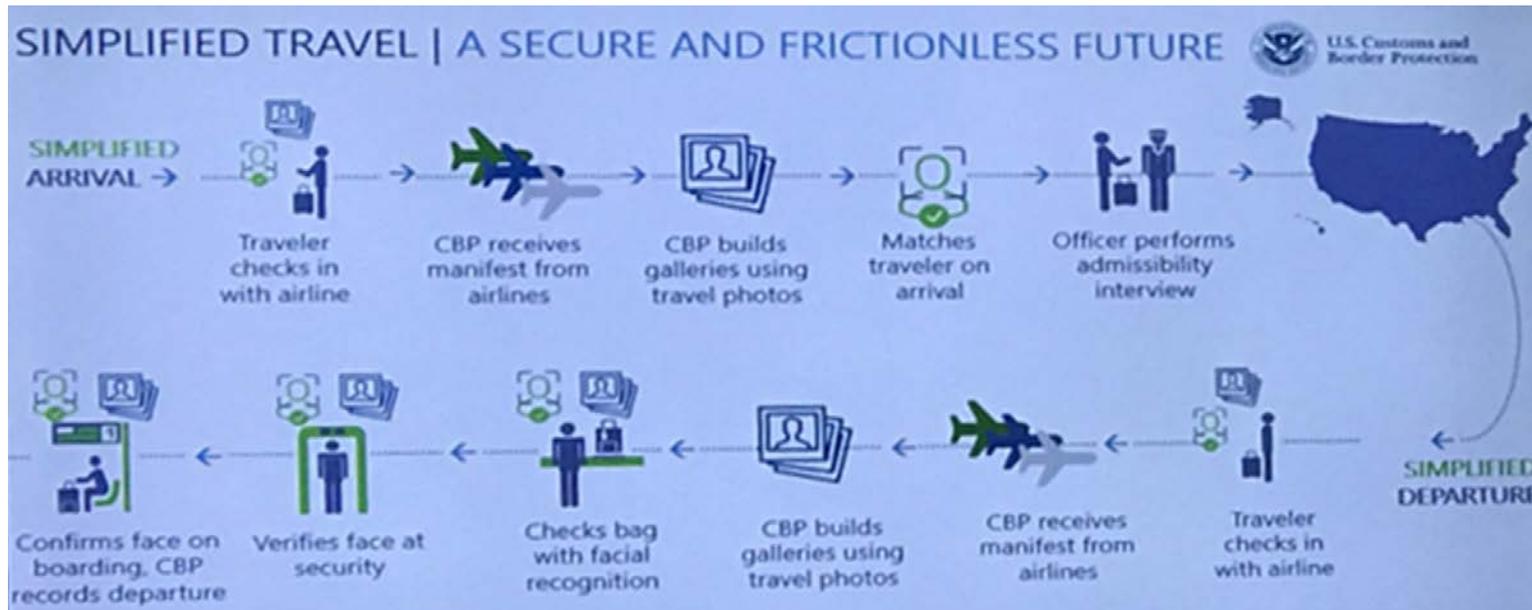
Biometric Solutions

Biometric Exit

- Several airlines including British Airways, Lufthansa, Qantas, Air France, and KLM are using Biometric eGates to board passengers without any documentation – using only face
 - First time done anywhere in the world
- Reduced boarding time on large capacity aircraft, such as the Airbus A380, by approx. 40%
 - One airline boarded 350 passengers within 20 minutes
 - A380s regularly being boarded within 25 minutes
- Pilot received global recognition and has been showcase for CBP and visited by many airports and airlines



Biometric Exit part of CBPs Simplified Travel Initiative



Has led to LAWA gaining pilot for Simplified Arrival Pilot

Biometric Solutions

Simplified Arrival Pilot

- CBP piloting facial recognition technology to process all arriving international passengers and crew during designated hours
 - Passengers: 06:00 a.m. to 08:00 a.m.
 - Crew: 06:00 a.m. to 01:00 a.m. (TBIT hours of operation)
- Started July 23, 2018
- Location: TBIT
- Duration: Indefinite
- Impact
 - APC kiosks not used during the pilot hours
 - Global Entry and Mobile Passport Control (MPC) remain available for use

TSA Phase I Pilot at Security Check-point



Biometric Solutions

CBP/TSA Phase II Pilot at Security Check-point

- Purpose: CBP/TSA piloting biometric facial recognition technology which will assist with identity verification and improve airport security
- Pilot started on August 6, 2018
- Hours: 06:30-10:30 a.m.
- Location: TBIT, north side at all four TSA screening checkpoints
- Pilot Duration: 30 days



Biometric Solutions

Biometrics - next steps

- Self Service Common Use Bag Drop pilot
- Expand current pilots in TBIT/MSC
- Explore roll-out of solutions to other terminals
- Develop new biometric solution pilots
 - Check-in
 - Lounge entry
 - Etc.

TSA – AIT Security Scanner



Objectives

- Bring cellular network performance on par with the best airports in the U.S.
- Improve the experience for guests, tenants and LAWA employees

Status

- Executed Non-exclusive License Agreements (NELAs) with 4 major cellular carriers: AT&T, Sprint, T-Mobile & Verizon
- Will kick-off implementation project this month (MAR18)

Overview

- Services intended to cover public spaces and LAWA/tenant operational areas
- Cellular companies will work through single General Contractor/PM
- Will leverage common infrastructure
- Will deploy to facilitate future upgrades, e.g. 5G, without significant re-work
- Finding space for equipment in terminals will be a challenge



Current Status

- 60% Design for TBIT completed
- Space for IT in TBIT identified
- Initial survey for IT space in all terminals completed and IT space need requirements submitted to LAWA
- LAWA searching and identifying available IT and other potential spaces

Draft Schedule (still under discussion)

- TBIT: AUG19
- T4/5: DEC19
- Remaining terminals every 4 months – order tbd
- Macro sites
 - P3 Relocation JUL18
 - P3 Sprint new build AUG18
 - P7 OCT18

Discussions continue to try to do more concurrently to expedite schedule



Key Projects in Progress

- Customer engagement/loyalty solution
- Data management and analytics CoE
- Shopping and ordering pilot
- LAX chat bot
- Passenger tracking pilot/RFP
- Video analytics pilots
- Smart Parking
- Remote baggage (as part of APM)
- Etc.