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
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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 boarding within 25 minutes

• Pilot received global recognition and has been showcase for CBP and visited by many airports and airlines
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Biometric Exit part of CBPs Simplified Travel Initiative

Has led to LAWA gaining pilot for Simplified Arrival Pilot
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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
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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 Innovations

TSA – AIT Security Scanner
Technology Innovations - Cellular Service Improvements

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
Technology Innovations - Cellular Service Improvements

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.