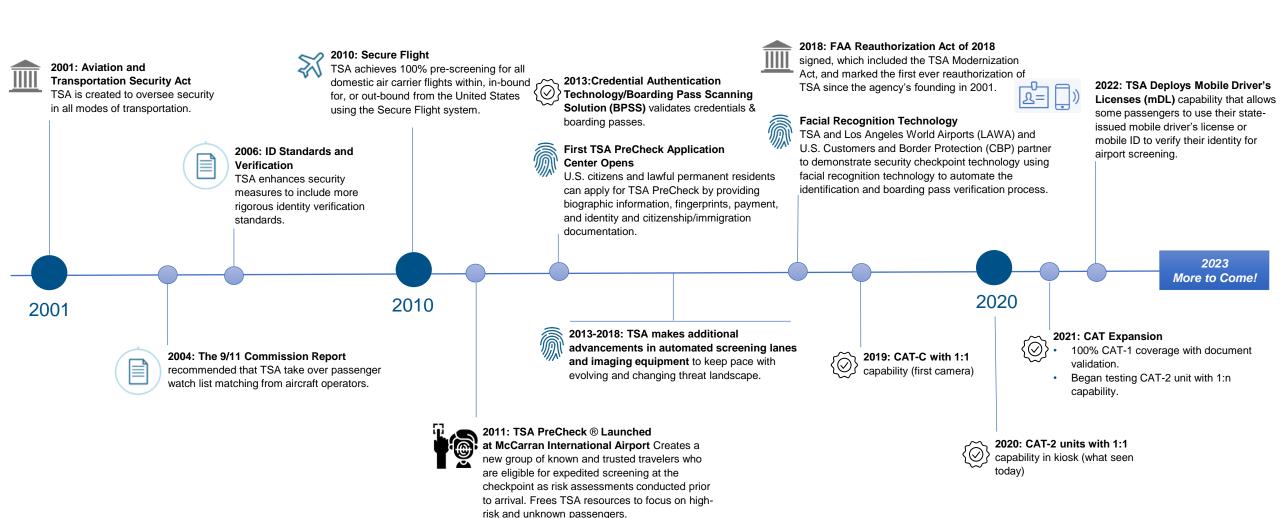


# **TSA ESVP** | Enrollment Services and Vetting Programs

# TSA's HISTORY IN IDENTITY MANAGEMENT

TSA - The Largest Consumer of Identity



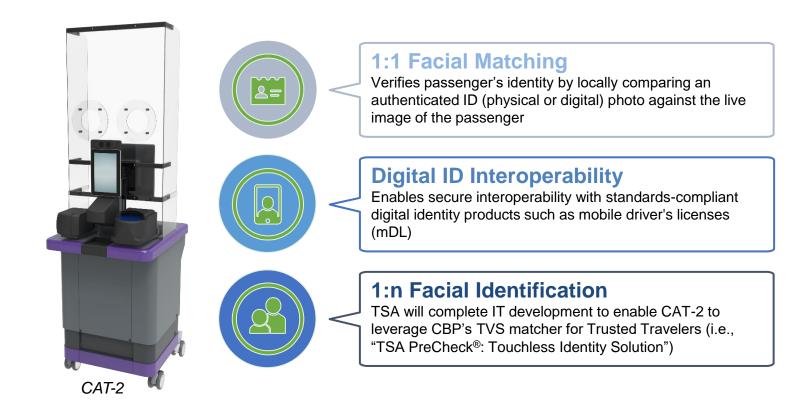
# **CAT-2** Integration

TSA is developing 1:1 facial matching, digital identity, 1:n facial identification technologies to enhance IDM capabilities at the TSA checkpoint.

## **Travel Document Checker (TDC)**

Prior to physical screening, TSA must perform the following steps at the TDC:

- 1. Verify authenticity of presented form of ID
- Verify match of the passenger and his/her form of ID
- 3. Validate passenger flight reservation status
- 4. Validate passenger **Secure Flight vetting status**
- 5. Direct passenger to appropriate level of screening
- 6. Resolve any **non-matches** and **security issues** manually



TSA collaborated across an ecosystem of vendors and DHS partners to develop these capabilities which will increase transportation security and provide an improved, contactless experience.

# **CAT-2 Overview**

TSA is upgrading Credential Authentication Technology (CAT) machines with biometric, digital identity, and self-service capabilities to enhance security effectiveness, improve operational efficiency, and yield a more streamlined passenger experience.

## **CAT-2 Objectives**



# Biometric Identity I

Integrates biometric capture to verify an individual's ID (physical or digital) against a live image



# Flight Reservation Information

Confirms individual's flight reservation



## **Pre-Screening Status**

Verifies the individual's prescreening status through TSA Secure Flight in near real time



#### **Self-Service**

Reduces unnecessary contact between TSOs and passengers through self-service capabilities

#### **CAT Functionality**

- Verifies passenger's physical ID is authentic
- Maintains document libraries of ID templates covering thousands of variations and versions
- Utilizes the Security Technology Integrated Program (STIP) to sync with TSA Secure Flight to update passenger sameday airport departures
- · Recognizes and validates REAL ID features

#### **CAT-2 Enhancements**

- Verifies passenger's identity by biometrically comparing their face image (via camera capture) against the image on their ID
- Adds a digital identity reader to read and authenticate digital identities
- Incorporates Plexiglass shielding to encourage social distancing
- Instructs passenger using an updated graphical user interface
- Enables passengers to scan their own ID



CAT-2: Passenger-facing

# TSA PreCheck®: Touchless Identity Solution Overview

TSA has partnered with CBP to explore facial identification solutions that will provide Trusted Travelers with a more seamless travel experience.



A Trusted Traveler checks in with the airline and opts-in



The passenger checks their baggage with the airline



TSA verifies
the passenger's identity at
the checkpoint with CAT-2



Airline biometrically confirms the passenger's identity at boarding

\*Photos taken by Delta Air Lines

# **Example benefits include:**

Shorter wait times allow for cost and resource saving

Elevated passenger experience across airline touchpoints

Increased incentives for TSA PreCheck® enrollment

Modernized approach to privacy, security, and documentation

# How Does It Work?

The TSA PreCheck®: Touchless Identity Solution leverages airline systems, CBP's biometric Traveler Verification Service (TVS), and TSA vetting programs to enable a seamless curb-to-gate passenger experience for Trusted Travelers using 1:n facial identification technology.



## **Technology / Solution**

TSA compares a live image to a gallery of photos that the passenger previously provided to the government for travel purposes (e.g., U.S. passport).



#### **Identity Verification**

If the system makes a match, the confirmation is sent to a monitor used by the TSA officer to verify before directing the passenger to the appropriate screening lane.



#### **Privacy**

Participation is optional. Eligible passengers who opt-in have photos in TVS can choose to participate in the pilot.



#### Locations

Detroit Metropolitan Wayne County Airport (DTW) Hartsfield-Jackson Atlanta International Airport (ATL)



\*Photos taken by Delta Air Lines

# **TSA ESVP** | Enrollment Services and Vetting Programs

# Educating the Public

TSA is committed to protecting passenger privacy and civil liberties as it implements biometric and digital identity solutions to improve the travel experience.



Putting People First



- > TSA minimizes the information that is shared at the Travel Document Checker (TDC).
- ➤ Passengers control the information transaction.
- > Transactions are not shared with the issuer.
- Live photos and ID photos are overwritten by the next passenger's scan.



## Communication

- > TSA increases information sharing with the public by posting updated information on official websites, being a part of interviews, responding to media inquiries, and working with reporters on providing initiative updates.
- > TSA continues to remain transparent by notifying the public via signage posted in operational assessment airport locations.
- > TSA has hosted multiple roundtable discussions with privacy and civil liberties advocacy groups.



Technology Modernization



- > TSA has partnered with the Department of Homeland Security Science and Technology Directorate (DHS S&T) to measure biometric performances of the systems.
- > Data shared between a passenger's mobile device and a TSA checkpoint is always passed through secure, encrypted channels.
- > The ID data exchanged is neither copied nor stored by TSA.





# Contact Information

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