

28 February 2019

“One ID” Facial Recognition, a New “Check-in to Boarding Experience” using Biometric Authentication will be introduced at Narita Airport
 - Innovating Airport Passenger Experience through Cutting-Edge Technology! -

From Spring of 2020, Narita Airport will start introducing a innovative passenger experience for the Check-in to Boarding process named the “One ID”, using the world's most advanced facial recognition technology.

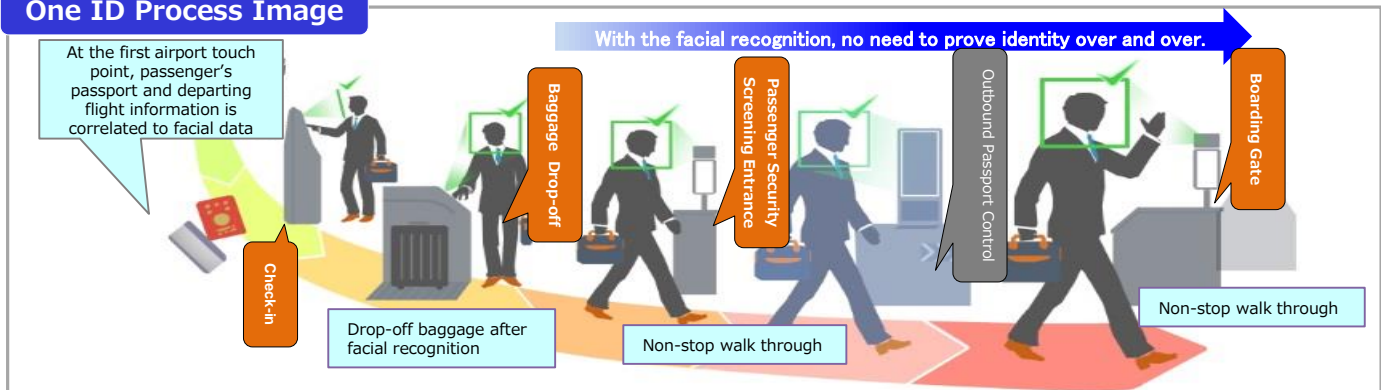
With this technology, passengers when their facial data is recorded at the first touch point at the airport, such as the self check-in KIOSK or other initial touch points, the facial data is correlated with the passport and the check-in data, then the passenger will no longer be asked for their boarding pass and passport as presently required across the end-to-end passenger process experience (baggage drop-off, passenger security screening entrance and boarding) to board a flight. Simply, you can walk through using “One ID” facial recognition.

One ID will relieve departing passengers from repetitive processes to board a flight and we anticipate benefits in less queuing. By utilizing the most advanced cutting edge facial recognition system, it will improve the passenger authentication accuracy and enable improvements in aviation and airport infrastructure security.

One ID will also improve staff productivity by reducing time spent on manual ID checks. The technology exists today and the new travel style is the first initiative of its type anywhere in the world and the system to be introduced by Narita Airport is the first in Japan. Please look forward to the One ID system introduction.

Details for applicable flights and system operation will be decided in consultation with the participating airlines.

One ID Process Image



■ Implementation schedule

Spring 2020 (actual date to be announced later)

Number of units to be deployed and other detail will be announced later.

■ Deploying Passenger Terminals and initial participating airlines

Terminal 1, South Wing: All Nippon Airways

Terminal 2: Japan Airlines

* Participating airlines and deploying terminals and wings will expanded in phases.

One ID System

① Check in



ID generation



*At the airport, passenger would need to present their passport or / and a boarding pass only once at the first touch point to start passing through with One ID Facial Recognition System.

At the first touch point, passenger's consent will be asked to use the One ID Facial Recognition System.

① Confirmation is made for a match on passport IC chip stored photo data and the passenger in front.

② Passenger's facial photo, passport data and the check-in data are correlated and stored in the One ID Facial Recognition System for one time use.

② Baggage drop-off (Passenger Authentication)



Check
Confirm

One ID
Facial Recognition System

Once the One ID is generated in the system, at the Baggage Drop-off, facial photo is taken and verification is made with the One ID Facial Recognition System.

Passenger identity is confirmed in the system, allowing passenger to proceed the baggage drop-off without being asked to present their passport and boarding pass as presently done.

③ Passenger security screening entrance (Boarding pass check)



Check
Confirm

One ID
Facial Recognition System

One ID
Facial Recognition

At the entrance to passenger security screening area, as passenger walks through the entrance, a facial photo is taken and cross-matched with the One ID Facial Recognition System. Passenger identity is confirmed in the system, allowing passenger to proceed to the security screening area.

④ Boarding gate (Passenger Authentication)



Check
Confirm

One ID
Facial recognition system

One ID
Facial Recognition

At the boarding gate, a facial photo is taken as the passenger walks through the boarding gate and cross-match is made with the One ID Facial Recognition System. Passenger's identity is confirmed in the system, allowing passenger to continue walking through to the airplane.

Boarding