

Automated Border Control

AFI-SECFAL meeting
24 May 2017, Gaborone (Botswana)

The
voice
of the
world's
airports

Background

- The need to facilitate smooth and secure border crossings will continue to rise significantly, especially at airports.
- Determine the right balance between border integrity vs identification & facilitation of travelers, considering global passenger traffic trends:
 - Growth of global traffic on average by 4% annually,
 - Estimated to double by 2035 and reach 7.2 billion passengers.
- Find innovative solutions to speed up the passenger processing, while increasing the use of secure passenger identification mechanism, taking into consideration:
 - Reduce queues at airport border controls;
 - Provide faster and smoother passenger flows for increasingly shorter and more predictable connection times;
 - Establish the right levels of border guards and state resources; and
 - Facilitate the air traveller journey overall.

The Solution

- Rapid increase in the number of electronic machine readable travel documents (e-MRTDs) containing biometric data:
 - facilitates deployment of innovative automation concepts;
 - enables integrated secure processes at borders that rely on machine-assisted control.
- New technologies, such as Automated Border Control (ABC) systems, can:
 - improve the management and control of travel flows at the border by reinforcing checks while speeding up border crossing of regular travelers;
 - enable border guards to cope with the ever-rising number of border crossings without compromising security;
 - Potentially enhance security with additional border officers' resources that can focus on potentially higher risk travellers.

The Benefits

For Airlines :

- Improved on-time departure through reduced queues when border crossing is required in transit.
- Cost avoidance through unnecessary increase of take-off delays.
- Improved value proposition through shorter and more predictable connection times, especially when air travel competes with other transport modes.
- Improved value for their passengers.

For Airports :

- More efficient use of space and possible deferment of infrastructure requirements and costs due to reduction in queue length and times at border controls.
- Process optimization within existing infrastructure which will support passenger growth and offer the opportunity for increased dwell time.
- Competitive advantage for airports able to offer a quicker connection time and more passenger friendly experience overall.

The Benefits

For Passengers :

- Reduced queuing times and expedited exits for low-risk travellers.
- Additional self-service option offering; the passenger is in more control.
- Increased predictability of process and queuing time.
- Less stress for passengers and for those in transit.

For Governments :

- Processing higher numbers of low-risk passengers quickly, conveniently and cost-effectively whilst maintaining the security and integrity of the borders.
- Automated approach permits process optimization and allows resources to be focused on potentially higher-risk travelers.
- Enhanced security through the use of biometrics and MRTD's.
- Improved overall country image that can translate into economic benefit and attractiveness to tourists and business travelers.

Latest Deployment Status

Existing Deployments at Airports (2015) : **150 airports in 52 countries**

Types of ABC Systems:

- 48% based on Registered Travel Programs
 - Trusted Travelers using dedicated lanes
- 35 % on electronic machine-readable travel documents (e-MRTDs)
 - Use of e-Passports, e-ID cards and e-Residence permits
- 17 % Automated and Mobile Passport Control (APC / MPC - US CBP Programs)

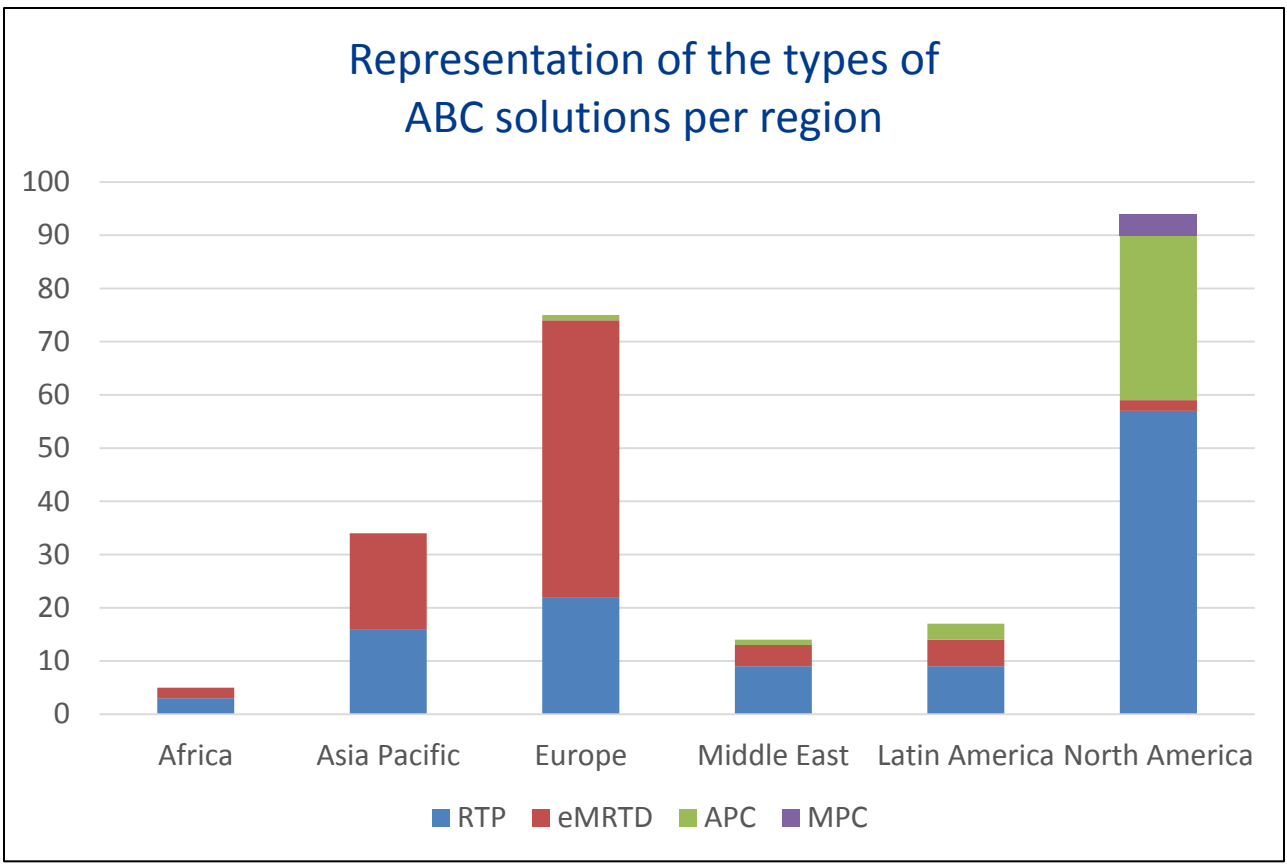
Locations of ABC Systems:

- 53 % present on Arrival
- 34 % found on both Arrival and Departure
- 10 % present on Departure (US Preclearance)

Types of biometrics used:

- 42 % face
- 37 % fingerprints
- 14 % both
- 7 % combination of face, fingerprints and iris

Latest Deployment Status



ABC Implementation Guide

- The Automated Border Control (ABC) Implementation Guide was developed in close collaboration between IATA, FRONTEX and ACI. It was published in August 2014.
- This guide explains the ABC functionalities and provides guidelines, checklists and case studies for the project manager in charge of the implementation of ABC kiosks.
- Brings significant benefits as it is documenting a standardized approach and promotes a common understanding to ABC implementation, considering the variety of stakeholders involved in the process.
- Available for download on the ACI website at:
<http://www.aci.aero/About-ACI/Priorities/Facilitation/Documentation>