USE CASE

AIRPORT IVALIDATE

BAR-CODED BOARDING PASS (BCBP) VALIDATION

Security entities need to address potential security threats, as bar-coded boarding passes (BCBPs) from off-airport web and mobile check-ins are easily copied, altered or created.

ISSUES

Reading mobile BCBPs

Airport security checkpoint agents cannot read 2D mobile bar-coded boarding passes (BCBPs).

Security compromise

BCBPs from off-airport web and mobile check-ins are easily copied, altered or created, thus potentially compromising airport security.

Security queues

Manual validation of bar-coded boarding passes (BCBPs) is time consuming and slows down the security process.

SOLUTION

Airport iValidate provides security checkpoint agents and officers with the ability to scan both paper and mobile bar-coded boarding passes (BCBPs).

The contents of the 2D BCBPs are displayed to security agents for validation against the passenger's travel documentation.

The boarding pass is checked for duplicates and is validated against flight information within an excel spreadsheet, from an airport operational database (AODB), or from a flight information display system (FIDS).

BCBPs can be validated against airline departure control systems (DCS), using the IATA BCBP XML standard.

BENEFITS

- Improved security by i) allowing agents to read the contents of mobile BCBPs for validation against the passenger's identification, and ii) validation against flight information and/or the airline's departure control system (DCS) itself.
- Reduced wait time at security checkpoints through the automation of boarding pass validation, resulting in an enhanced passenger experience.
- Flight-based statistics for the airport regarding passenger flow and the number of passengers going through security, thus resulting in improved situational analysis and data-driven decision making.

For improved security, BCBPs are checked for duplicates and are validated against flight information, or by airline departure control systems directly.

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HOW DOES IT WORK?

SOLUTION COMPONENTS

1. Client options

At security checkpoints, Airport iValidate supports bar-coded boarding pass (BCBP) validation on agent-manned workstations, mobile handheld terminals (HHTs), and self-service automated gates.

2. Server configuration options

Depending on business needs, two server configurations are available: i) a single server and ii) for greater redundancy, dual-clustered servers with a storage area network (SAN) device. CommonUseAnalyzer and Airport iValidate share the same server infrastructure.

3. AirportConnect Open platform compatibility

Airport iValidate can be implemented as a standalone system or as an extension to the AirportConnect Open common-use platform. When deployed in conjunction with AirportConnect Open, Airport iValidate becomes part of an enterprise-wide passenger flow monitoring system, along with CommonUseAnalyzer.

4. Passenger flow monitoring

Airport iValidate is a component of SITA's passenger flow monitoring products suite, providing visibility of passenger movements across the airport in order to improve security, increase efficiency, achieve greater non-aeronautical revenues and enhance the passenger experience throughout the airport.

CASE STUDY

A major, leisure travel destination airport in the United States is using Airport iValidate to provide security checkpoint agents with the ability to scan both paper and mobile BCBPs for visual validation against the passenger's identification.

The BCBP is also checked for duplicates, and to ensure that passengers are going through the correct security checkpoint – one that is appropriate to their flight.

Additionally, information collected by Airport iValidate is used to provide the airport with statistics, such as the number of passengers by flight.

Airport iValidate also provides passenger count data to QueueAnalyzer as input into an algorithm that results in the display of the estimated wait time as passengers approach their security checkpoint.

For more information please contact us at **info@sita.aero**

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