



# PAX ACCESS CONTROL

## DIGITAL SKY MARSHALL DIGITAL BOARDING ASSISTANT

*The main implementation benefits of  
DIGITAL SKY MARSHALL are:*

- Faster verification of travel documents, and accordingly terminal bandwidth. Security officer will check only passport when all the checking lights are green;
- Reduced queues on security check lines and boarding gates;
- Decreased risk of faults made by security officers. Reading and checking data from a 15- inch screen is much simpler than from a boarding pass;
- Paper and electronic based scanning options of boarding passes for passengers;
- Automated search of passenger data for governmental authorities to direct and track passengers who wanted by law enforcement agencies, forbidden to leave the country, tax debtors and so on...;

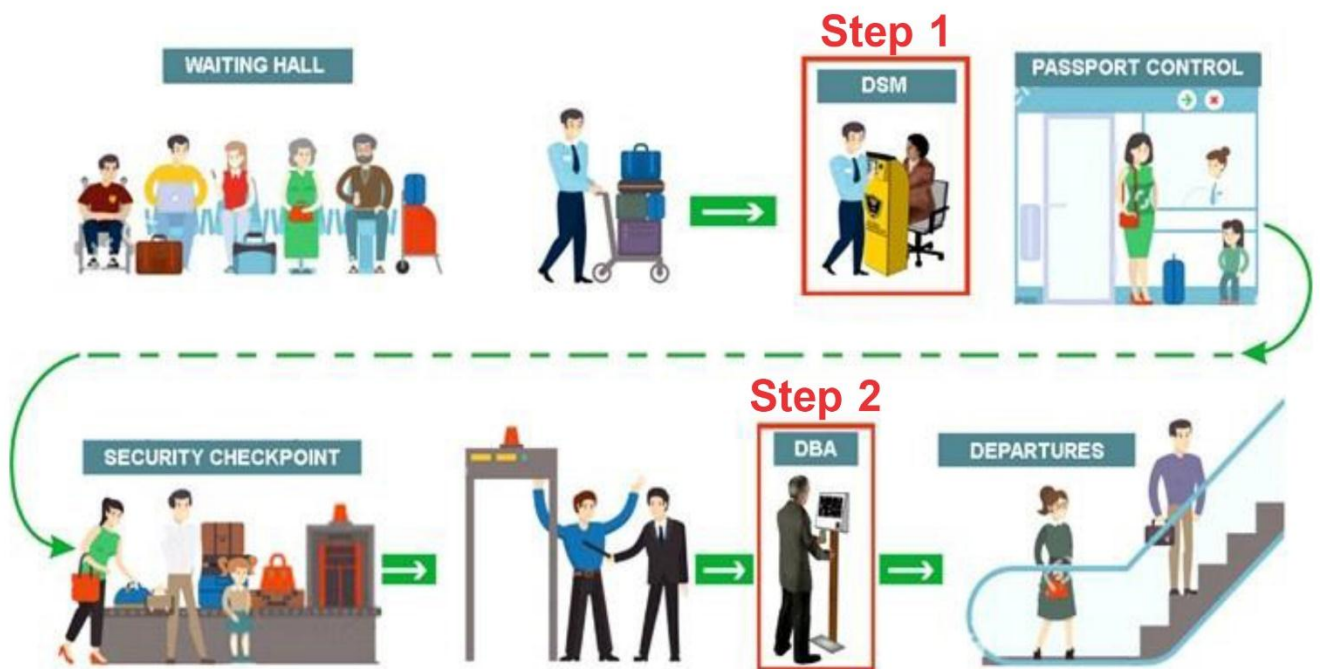
### **DIGITAL BOARDING ASSISTANTE (DBA)**

- The individual "flight information display system" for departing passengers and is a part of positioning and passengers guide system in various areas of the airport.



## STEP 1 – ENTRY TO THE SECURITY LINES ZONE

1



***At this stage, passengers enter to the "Passengers Only Area" of the airport, introduction of DSM system simplifies the procedures of the aviation security check with the following functions:***

- Checks the status of the passenger (either checked – in or not);
- Checks if the boarding pass is valid through the reservation system of airlines;
- Checks and verifies the travel documents. The system, then, displays the passport credentials of the passenger for the aviation security inspector. Previously inspector would check only the details of the boarding pass
- Sorts passengers by their departure zones, International and Domestic. The System checks whether the passenger is in correct Terminal;
- Checks the remaining time until departure - if the passenger is late he/she will be advised by an inspector about the processing steps and options;
- Gives a warning if someone is not allowed to travel;
- Provides a baggage clearance check;
- Counts passengers by Terminal zones;



## STEP 2 – EXIT FROM THE SECURITY LINES ZONE

2

*Since E-gates do not usually show enough useful information we decided to insert a Display that would provide personal information regarding the passenger's flight.*



The individual information system DBA is an information kiosk using only for departures. After passing the security check, the passengers need to go through the E-Gate, where they scan their boarding passes before proceeding to respective boarding gates. The following information will be shown at the E-Gate:

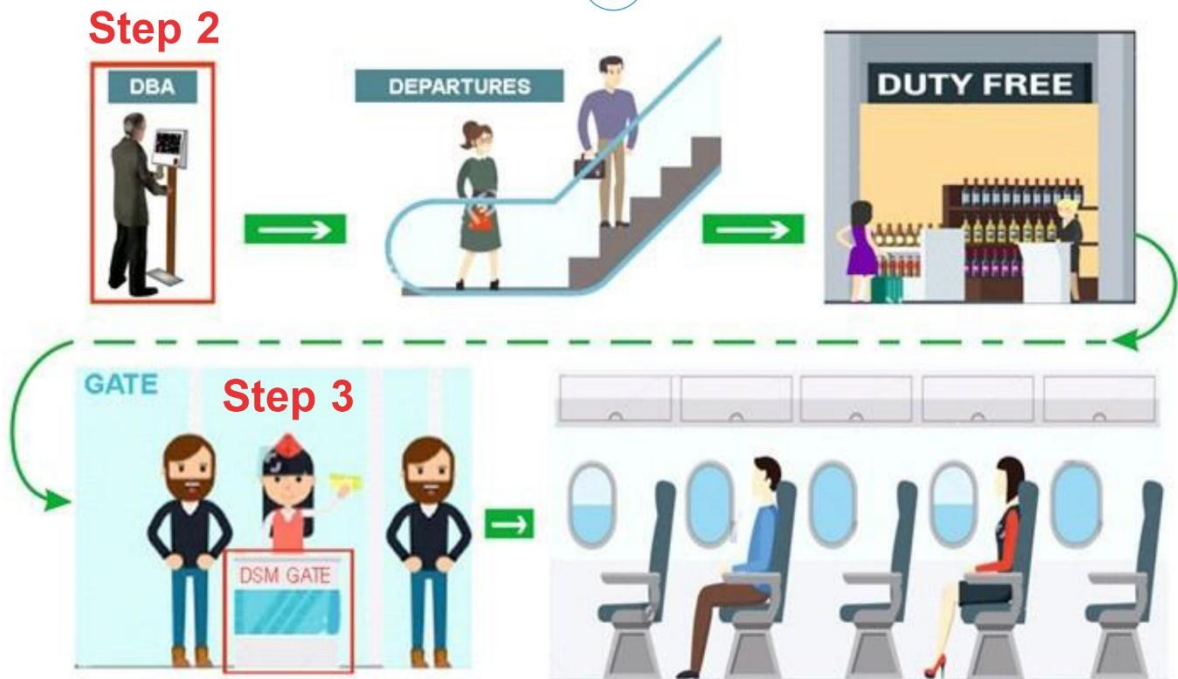
- ➡ flight number
- ➡ flight route
- ➡ flight status: depart/delay / cancel
- ➡ gate number
- ➡ start and closing time of boarding
- ➡ distance from your current location to the boarding gate

The information can be displayed in several languages depending on the needs of the Airport. Besides it, the sign at this check point allows to determine the exact location of each passenger and is a part of positioning and passengers guide system in various areas of the airport.



## STEP 3 - BOARDING

3



Before starting the boarding process, DSM will check the status of a passing security line and baggage clearance, if the check is successful passenger boarding will be allowed.

We have implemented DSM with the scanning process of boarding passes. The check takes a millisecond and does not slow down of passengers' boarding to the airplane.

This function is developed in full compliance with the aviation safety regulations and allows the airport to introduce an automatic self boarding through an E-GATE.



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