Next Generation Passenger Screening

A Collaborative Effort

WAGA 2015
“Smart Security envisions an improved journey from curb to airside, where passengers proceed through security checkpoints with minimal inconvenience, where security resources are allocated based on risk, and where airport facilities can be optimized”
Who is involved?

Smart Security Management Group

- Defines policy, technical and operational requirements, develops positions and drives the program of work
- 15 members representing industry and government

Smart Security Working Group

- Contributes to recommended practices, guidance material and other deliverables
- Includes airlines, airports, governments, solution providers, consultants, academia
The three pillars of the solution

- Risk-based security and differentiated screening
- Technology for enhanced detection capability
- Process innovation for increased operational efficiency
How we work

develop guidance material

facilitate wider implementation

research
trials
proof-of-concept

blueprint

Smart Security Diagnosis
Component 1 ✔
Component 2 ✔
Component 3 ✔
Component 4 ✔
Component 5 □
Developing guidance material

+ other airport partners for specific component trials

Guidance material
Passenger Screening

Guidance material
Cabin Baggage Screening

Guidance material
Other Screening Measures

Guidance material
Centralized Image Processing

Guidance material
Staffing

Guidance material
Checkpoint Environment

Guidance material
Risk Based Differentiation
Components in focus for 2015

- Parallel preparation and reclaim
- Lane automation
- Centralized Image Processing
- Advanced cabin baggage screening
- Passenger security scanners
- Explosive Trace Detection
- Unpredictability & risk-based approaches
- Checkpoint environment
Parallel preparation and reclaim
Lane automation
Centralized Image Processing
Advanced cabin baggage screening
Passenger security scanners

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Checkpoint environment

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It’s as much about process and human factors as it is about technology.

There’s a lot you can do right now.

It’s not the new one-size-fits-all.

The greatest benefits will come from an integrated solution.

Success will depend on collaboration between stakeholders.
Common Departure Lounges (mixing of passengers)

Self hold bag drop

Self boarding

Differentiated screening
Biometrics are captured at ticket presentation gate

Process is fully automated

These biometrics are then verified at the boarding gate
Heathrow – Self hold bag drop

- Biometrics taken as the passenger checks in hold baggage
- These biometrics are then verified at the gate room
- This makes sure the passenger who checked in the bags is the same as the passenger who boards.
Heathrow – Self boarding

- Biometrics taken as the passenger boards the flight

- At the same time the passenger scans their passport and boarding card

- This makes sure the right passenger boards the flight
Heathrow – Differentiated screening

- Passenger biometrics captured at ticket presentation gate

- These biometrics are verified at the security checkpoint

- Risk based security is then applied
This is just the beginning. Work with us to deliver the future.

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