



Smart Security

Aviation Security and Facilitation Symposium
Malabo, 27th June 2016

Two different programmes – with the common objective of improving security



Airport Excellence (APEX) – A peer review process to assist airports in their efforts to improve their security measures; to identify areas where efficiency and effectiveness gains can be made. Includes ALL aspects of airport security from facilities to training, screening to quality management.



SMART Security – A joint ACI/IATA programme focused on the future of passenger screening checkpoints, with strengthened security, increased operational efficiency and improved passenger experience through investment in technology and innovation in processes.

SMART Security - Three Pillars

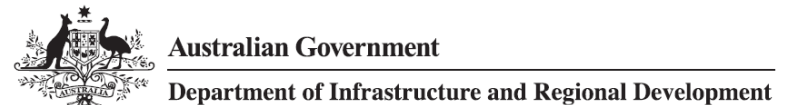


Risk-based
security and
differentiated
screening

Technology
for enhanced
detection
capability

Process
innovation for
increased
operational
efficiency

SMART Security – Trial Partners



Transport
Canada



Transportation
Security
Administration

*+ other partners for
specific component
trials*

Example Implementation



- Centralized Image Processing
- Lane automation
- Parallel loading and repack
- Security scanners
- Explosive Trace Detection
- Checkpoint management systems
- Checkpoint environment & design

Key Components

Risk-based
security and
differentiated
screening

- ↗ Human Factors
- ↗ Unpredictable approaches
- ↗ Explosive detection dogs

Technology
for enhanced
detection
capability

- ↗ Security Scanners
- ↗ Explosive Trace Detection
- ↗ X-Ray enhancements, CT
- ↗ Automated Decision Support
- ↗ Centralized Image Processing

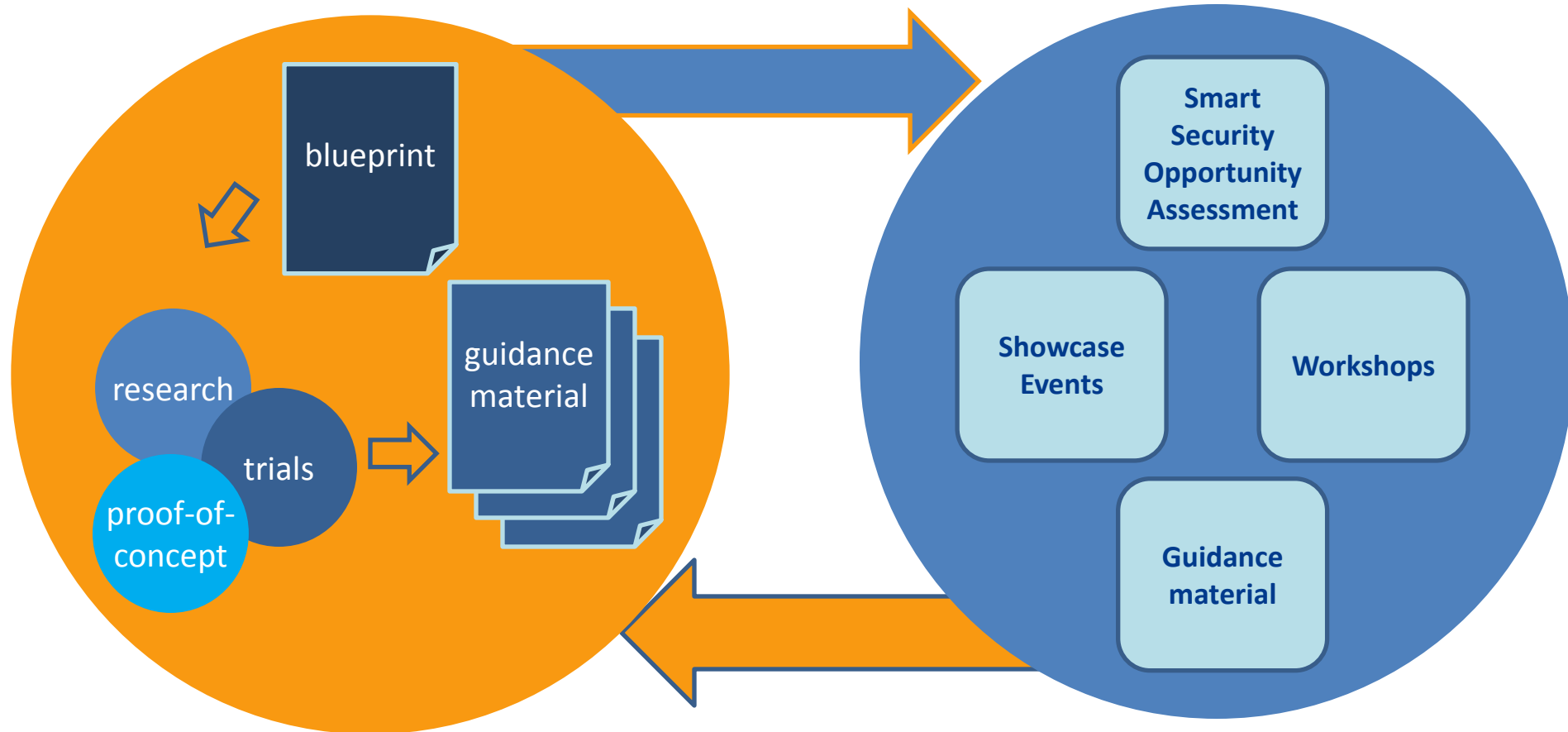
Process
innovation for
increased
operational
efficiency

- ↗ Checkpoint design
- ↗ Checkpoint automation
- ↗ Environment
- ↗ Performance Metrics
- ↗ Centralized Operation

How Smart Security Works

research and development

facilitate wider implementation



What Comes Next?

The next “wave” is already on the horizon

- ✈ It's as much about process and human factors as it is about technology
- ✈ Training and quality management is key
- ✈ 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



Getting Involved



Airports can request a review, or volunteer to be Security partners – contact dboutin@aci.aero



Request access to the guidance material, attend a regional workshop or contribute to research and development – contact smartsecurity@aci.aero