TSA Perspectives and Initiatives-Introduction & Checkpoint CT Roadmap

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Accessible Property Screening (APS) Capability Maturation Roadmap

APS Roadmap Overview

Security

Administration

The TSA Accessible Property Screening (APS) Capability Maturation Roadmap depicts the functions and efforts required to enhance future carry-on screening detection capabilities. These capabilities aim to enhance screening detection, increase throughput, and enable screening automation.

		Phase 1 (CPSS Increment 1)	Phase 2 (Future CPSS Increments)	Phase 3 (Future CPSS Increments)	Phase 4 (Pre-Planned Cap. Improvements)*	
		To enhance threat detection and throughput	To establish system network connectivity	To expand APS automation and remote access capabilities	To explore advances in APS detection and operational efficiency	Capability Achievements
Move	Automated Conveyance	Pilot automated conveyance functions	Demonstrate localized multi- plex system concept	Pilot localized multi-plex concept		Augment screening operations and passenger experience
Detect	Explosives Items Detection	Demonstrate Explosives algorithm (APSS V6.2 Level 0)	Demonstrate Explosives algorithm (APSS V6.2 Level 3)		Demonstrate advanced detection algorithm (APSS V8.0)	Enhance security effectiveness with PI threat detection and reduced false alarm rates, as well as shifting to a future-state of risk-based security screening
	Non-Explosives Prohibited Items (PI) Detection		Demonstrate Prohibited Items algorithm (APSS V6.2 Level 3+)		Demonstrate advanced detection algorithm (APSS V8.0)	
	Dynamic Algorithm Switching			Pilot Dynamic Algorithm Switching proof-of-concept		
Display	Image Display		Pilot Image on Alarm Only capabilities		Develop Alarmed to Secondary Screening concept (no image)	Increase deployment flexibility and optimize training efficiencies through display standardization
	Common Work Station	Pilot common operator interface UX	Implement DICOS (OPSL)	Pilot Common Work Station concept		
Connect	Remote Screening		Demonstrate remote access to TSE operational data	Demonstrate Remote Screening at the airport-level		Enable secure, remote data transmission and screening beyond the checkpoint space
	Security Technology Integration Program (STIP)	IT Security hardening	Develop STIP client; Pilot remote access to APS operational data	Demonstrate APS-STIP connectivity to external databases	Demonstrate remote detection algorithm updates	
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