TSA ITF follows a 6-phase Innovation Lifecycle tailored from 8 essentials of innovation that synthesize best practices for innovation-driven growth.

**ASPIRE**
The Aspire phase sets a bold strategy and goals for innovation and establish targets that are cascaded across the organization.

**DISCOVER**
The Discover phase solicits problem statements from diverse stakeholders that assist with "make a difference tomorrow" and "stuck in limbo" problems to improve the quantity of quality ideas and support the definition of the customer.

**SELECT**
The Select phase sets a goal of managing portfolio and selecting solutions through a process of technical reviews and vendor pitches.

**DEMONSTRATE**
The Demonstrate phase pilots demonstrations of adjacent and transformational solutions in a lab and/or operational environment to prioritize and streamline requirements for solutions and processes.

**SCALE**
The Scale phase allows the ability to have a formal, transparent path to transition to enterprise-wide execution.

**MOBILIZE**
The Mobilize phase leverages the importance of TSA’s mission to motivate and engage employees and partners, celebrate ITF’s impact, and clarify mission space and organizational culture.

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**ITF Airport Innovation Forum**
ITF fosters innovation by integrating key stakeholders to identify and demonstrate emerging solutions for aviation security. ITF’s Airport Innovation Forum (AIF) helps establish ITF’s mission to convene the aviation security system, demonstrate innovative solutions, and measure solution effectiveness to achieve the optimized future state with improved solutions for airports across the United States.
Advancing the Checkpoint Environment

Innovation Checkpoint

The ACE Checkpoint at the Las Vegas Harry Reid International Airport (LAS) demonstrates the latest innovative technologies for the transportation security mission.

Current Featured Technologies

- Digital signage
- Automated Screening Lanes integrated with CT X-ray scanners
- Enhanced Advanced Imaging Technology body scanner
- Crowd Vision
- UV-C Bin Sanitation
- Crowd Vision SVIP
- Sabel STORM
- Credential Technology-2b
- AutoCAT
- Stream of Commerce

Innovation Test Bed at TSA Systems Integration Facility (TSIF)

The Innovation Test Bed Checkpoint will explore innovation initiatives and solution applications that impact the TSA mission space. It will enable vendors to rapidly evaluate solutions or procedures in the full checkpoint system with limited preparation or requirements.

Upcoming Demonstration Highlights

Project Dartmouth – Pangiam

Project Dartmouth makes use of open platforms and open software which prevents vendor lock-in, and allows integration and interoperability with any security technology, irrespective of manufacturer as well as other third-party algorithms. This creates an environment that benefits from the innovation and expertise across the ecosystem, rather than relying on a single provider.

AX-Box Gatekeeper – aXite Security Tools

aXite Security Tools (AST) is proposing to demonstrate its proven, comprehensive cybersecurity tools for the protection of the Operational Technology (OT) systems of TSA’s fleet of legacy checkpoint and checked baggage transportation security equipment (TSE) ecosystems.

XTR4 – HumanLink

XTR-4 is a web-based software training platform that is easy to use, flexible and state-of-the-art. It delivers training beyond what Original Equipment Manufacturers (OEMs) provide. XRT-4 identifies training, feedback, and skills security officers need to increase threat detection and decrease false alarm rates.

Facial Recognition List – Corsight AI

Corsight AI proposes to deploy a facial recognition Authorized List (also known as "whitelist" or "greenlist") where the desired result would be to prove the efficacy of using Authorized List facial recognition to reduce the number of ID checks in the greater traveling population while maximizing the security of sterile areas.

Foundry – Palantir

The Palantir Foundry solution is a commercial data infrastructure that can integrate TSA’s operational data and translate it into human-readable objects and dynamic relationships. This single ‘source of truth’ data layer will unlock TSA’s ability to rapidly stand up lightweight, rich applications that help operators harness massive amounts of data.