The Innovation Task Force

ACC Security Capabilities Workshop

JULY 23, 2019
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The Innovation Task Force
The Innovation Task Force

Founded in 2016, ITF was initiated and championed by TSA out of a need heard from industry to better understand the operational environment earlier in the development cycle and from TSA to better define requirements to close capability gaps in partnership with stakeholders.

Our Mission

Foster innovation by integrating key stakeholders to identify and demonstrate emerging solutions that increase security effectiveness and efficiency, improve passenger experience and the flow of commerce, and deliver solutions that secure the freedom of movement throughout the nation’s transportation system.

Collaborate
Convene the aviation security ecosystem to identify and demonstrate solutions

Demonstrate
Establish the capability for TSA to quickly demonstrate innovative solutions

Assess
Measure solution effectiveness to achieve the optimized future state and provide vendors with data to improve solutions
ITF’s Impact

To date, ITF has closed out 23 demonstrations from 22 vendors, enabling TSA to internally advance requirement development and provide industry partners valuable lessons learned needed to tailor solutions to TSA’s needs.

ITF Results

8
Requirements documents informed

31
Enterprise process improvements completed

4
Acquisition and/or procurement decisions informed

10
Solution demonstrations required further research

4
Solution demonstrations deemed not field-ready

- Developed Requirements
- Enhanced Mission Delivery
- Enabled Capability Refinement
- Transferred Lessons Learned to Partners
- Gauged Solution Market Maturity
The IDEA Broad Agency Announcement

The Innovative Demonstrations for Enterprise Advancement (IDEA) Broad Agency Announcement (BAA) is one solicitation method used by ITF. The IDEA BAA sought to identify emerging people, process, and technology capabilities for demonstration in live airport environments. ITF’s third BAA, IDEA BAA 3, solicited 85 total solutions from 104 unique vendors.

The IDEA BAA 3 sought solutions that:

- Align to the TSA Mission
- Address TSA Capability Gaps
- Improve Security Effectiveness
- Improve Screening Efficiency
- Enhance the Passenger Experience

9 Problem Statements 85 Solutions Submitted 104 Unique Vendors 66 Unique TSA Reviewers 12 Solutions Selected
Industry Exchange

ITF collaborates directly with industry stakeholders through both traditional and innovative means in order to share information with vendors, identify new solutions/solution providers for future identification efforts, and to support global aviation security innovation efforts.

**Past Engagements:** ECAC Innovation Panel, UK FASS Program Support, AAAE Innovation Workshop, ITF Industry Day, Las Vegas Future Travel Experience, London Passenger Terminal Expo
ITF Demonstrations
Previous ITF Demonstrations

ITF-Led solution demonstrations allow vendors to pilot their solutions in the field, capture operational data, and refine their solution for potential future engagement with TSA.
Upcoming ITF Demonstrations

ITF’s upcoming solution demonstrations were sourced from the division’s third annual Broad Agency Announcement.

- Identity Verification
- Explosive Trace Detection
- Officer Tools
- Shoe Analysis
- Passenger Communications
Advancing the Checkpoint Environment (ACE)
The ACE Vision and Objectives

TSA is pioneering change in the transportation security ecosystem in collaboration with McCarran International Airport (LAS). LAS has dedicated an open checkpoint space to ITF for the purpose of demonstrating innovative solutions in a live checkpoint security environment. This will be accomplished through collaboration with local TSA and LAS to house and accelerate the demonstration of multiple innovative capabilities.

ACE Objectives

To be a groundbreaking checkpoint; to drive data-driven decision-making for TSA; to represent the art of the possible

To demonstrate new capabilities and technologies without affecting operations in a “plug-and-play” environment

To support agency-wide developmental efforts

To concurrently demonstrate multiple solutions in a live checkpoint environment

To share data and lessons learned (collected onsite) with ACE stakeholders; to further develop innovative capabilities

To align with agency priority and necessary requirements by strategically controlling passenger throughput and data collection efforts

ITF had a soft go-live for ModSet 1 on June 19. The following equipment is currently installed at ACE:

- Computed Tomography (CT)
- Walkthrough Metal Detector (WTMD)
- Advanced Imaging Technology (AIT)
Future of ITF
ITF’s Solution Intake Toolbox

As ITF continues to mature, ITF sees the BAA as only one solution identification mechanism in a growing toolbox of capabilities.

Traditional Solicitations
- Broad Agency Announcements
- Other Transactional Agreements
- Requests for Information

Innovative Intake Methods
- Crowdsourcing
- Hackathon
- Prize Challenge
- Research Challenge

DHS Component Engagement
- Long Range Broad Agency Announcements
- Tech Scouting
Solution Demonstration Lifecycle

The ITF-Led solution demonstration life cycle allows vendors to demonstrate their solutions in the field, capture operational data, and refine their solution for potential future engagement with TSA.

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Key:
- ITF Activity
- Action if Applicable to Demo
- Decision Point
- Steering or Transition Committee Activity

*As referenced in the TSA Systems Acquisition Manual (TSAM)
Thank you.