



Innovation Task Force Fly By

INDUSTRY EXCHANGE

EDGE 2023 Engagement Summit

On July 10-12, Members of the Transportation Security Administration (TSA) Requirements and Capabilities Analysis (RCA) and the Innovation Task Force (ITF) attended the annual EDGE23 Security Summit in San Diego, CA, to deliver executive roundtable and plenary engagement presentations, and network with event attendees to discuss the latest ITF Broad Agency Announcement (BAA). The exposition hosted air transport executives worldwide to network, learn, forge new partnerships, and collaborate.

Future Travel Experience 2023

On September 19-21, TSA RCA and ITF attended the Future Travel Experience (FTE) in Long Beach, California. The exposition hosted air transport executives worldwide to network, learn, forge new partnerships, and collaborate. FTE is an independent global forum that brings together diverse travel industry stakeholders to define tomorrow's passenger experience. The conference and exposition host multiple educational tracks focused on all aspects of airport operations, 75+ exhibitors, and 1,000+ senior aviation executives to share information for the future of airports. This year's theme was "Air Transport 2023" and featured transformative vendors and inspirational speakers from the industry to deliver ideas, insights, and inspiration from their peers worldwide.



RCA Assistant Administrator Austin Gould at FTE 2023.



ITF at exhibition booth at FTE 2023.

ITF SOLICITATIONS UPDATES

DEFENSEWERX Assessment Event

On November 28-30, ITF will co-host an Assessment Event (AE) centered around Resource Optimization with HSWERX, part of the DEFENSEWERX PIA network. The purpose of this AE is to allow TSA ITF to assess technologies demonstrated by potential solution providers. TSA seeks to enter into non-FAR or FAR-based agreements with Industry, Academic, and National Lab partners whose solutions are favorably evaluated by TSA Subject Matter Experts (SMEs). As such, the AE is considered competitive, and solutions will be evaluated independently of one another primarily for technical merit. To learn more about HSWERX click [here](#). To submit your technology for potential AE attendance and learn more about assessment criteria, click [here](#). Please submit white papers by **October 13, 2023**.

Broad Agency Announcement Industry Day

On August 23, the Innovation Task Force (ITF) hosted its Innovative Demonstrations for Enterprise Advancement (IDEA) Broad Agency Announcement (BAA) at TSA Headquarters. BAA Industry Day is designed to provide overview information on the TSA ITF program's mission and goals, strategy and processes behind industry solicitation and partnership opportunities, and showcase TSA's current projects and successful demonstrations. More than 50 industry representatives attended the event in person in addition to virtual attendance. To view the livestream of this event, click [here](#). The BAA remain open for white paper submissions until October 17th, 2023. For any questions related to the BAA, please email IDEA@tsa.dhs.gov. You can also learn more about ITF's focus areas and the BAA submission requirements by visiting SAM.gov.



ITF Director Matt Gilkeson and TSA Chief Innovation Officer (CiNO) Steven Parker during a Fireside Chat.

AIRPORT INNOVATION FORUM

Airport Innovation Forum Q4 Briefing

In September 2023, ITF held its fourth Airport Innovation Forum (AIF) briefing of FY23 and received several updates from Innovation Sites and vendors. Blue Iceberg provided a briefing on its Flippit demonstration. Flippit allows passengers who have prohibited items that are discovered during screening to be sent to a designated address for a flat fee, increasing operational efficiency and enhancing the screening experience. San Francisco International Airport (SFO) and various TSA Capability Managers provided briefs. The AIF FY24 Q1 meeting is scheduled for December 2023 and will include airport briefings from Denver International Airport (DEN) and San Juan Airport (SJU).

ITF DEMONSTRATION UPDATES

XRT4-Demonstration Close-Out

In February 2023, TSA began the deployment of the X-ray Tutor 4 (XRT-4) Common Suite demonstration at LaGuardia Airport (LGA) and Harry Reid International Airport (LAS). XRT4 is a web-based, flexible, state-of-the-art training platform. XRT4 delivers training beyond what Original Equipment Manufacturers (OEM) provide, and the platform relies on years of scientific research to identify the training, skills, and feedback security officers need to detect prohibited items rapidly and reliably while increasing their knowledge of X-ray and CT interpretation. From the assessments results, ITF



Demonstration Management & Execution Branch (DMx) Program Managers (PM) Michael Torres and Louis Fletcher at LGA for XRT-4 kick-off.

found that the solution holds vast potential in its ability to deliver the training, skills, and feedback Transportation Security Officer's (TSO's) need to detect prohibited items. While the demonstration is currently in the close-out process, ITF will continue to work with Training and Development (T&D) and other stakeholders to inform current and future requirements.

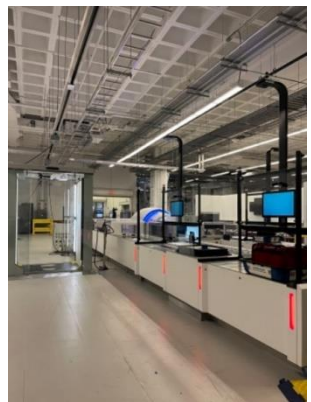
Project Dartmouth Presentation Close-out

Beginning in April 2023, ITF assessed two Project Dartmouth algorithms at the TSA Systems Integration Facility (TSIF). Project Dartmouth utilizes Artificial Intelligence (AI) and Machine Learning (ML) algorithm tools to identify prohibited Item (PI) threats on Computed Tomography (CT).

Over a 17-month process, ITF found that the solution demonstration showed promising capabilities. Following the demonstration close-out, ITF recommends additional Research & Development (R&D) through continued government partnership to mature Project Dartmouth's algorithm for future TSA efforts to enhance screening operations.

Self-Screening @ TSIF

The Vanderlande Self-Service Screening solution was delivered to the TSIF in late February 2023. Over the course of six months, ITF collaborated with the various test teams across the TSA enterprise to assess the Vanderlande solution. Some of the efforts include pressurizing the system by deploying 12 TSOs from the Innovation Checkpoint to TSIF, Human Factors assessments, TED and TSL assessments. In order to social the solution with TSA and DHS S&T leadership, ITF conducted 21 tours and processed 52 mock passengers over several months. These tours included attendees such as Administrator Pekoske and Acting EAA Gould, the Undersecretary of DHS S&T, Hill Staffers, and Program Office Leadership from across TSA and DHS S&T. ITF intends to assess the Vanderlande solution in the Innovation Checkpoint (ICP) at Harry Reid International Airport (LAS).



Vanderlande Self-Service Screening Solution at the TSIF.

UPCOMING EVENTS

Consumer Electronics Show and EDGE@CES 2023

On January 9-12, 2024, representatives from TSA and ITF will attend the Consumer Electronics Show (CES) in Las Vegas. CES is a technology event where global industry sectors showcase existing and future solutions and discuss consumer technology trends. RCA submitted panel proposals for consideration in the conference programming. CES 2024 conference participation will be critical in encouraging industry collaboration with ITF.

While in Vegas, ITF will also attend EDGE24@CES and participate in roundtable discussions. ITF is coordinating with conference organizers on speaking topics and exhibiting a TSA booth. EDGE is a semi-annual conference produced by the Government Business Executive Forum, an organization of senior technology-regulated industries and government professionals. ITF's activities at both CES and EDGE 2024 will be a critical force in driving submissions to TSA ITF's current BAA and encouraging further industry collaboration with ITF.

Please visit our website and social media accounts below to learn more about how TSA is accelerating new technologies and solutions at checkpoints around the country.

