



# Innovation Task Force Fly By

## ITF UPDATES

### IDEA BAA Window 2 Cohort A

The Innovative Demonstrations for Enterprise Advancement (IDEA) Broad Agency Announcement (BAA) is ITF's formal, competitive solicitation method and seeks to identify emerging people, process, and technology capabilities for demonstration in live airport or laboratory environments. Through the BAA, TSA seeks to address specific capability gaps related to security effectiveness and screening, the traveler experience, compliance, and the Innovation Checkpoint. On April 17, ITF received various submissions from vendors related to its current priorities. ITF received 21 total submissions: eight for security efficiency, five for traveler experience, four for the Innovation Checkpoint, two for security effectiveness, and one for Regulatory/Compliance focus areas. ITF selected solutions to proceed to the Pre-Demonstration Planning phase of the ITF Solution Demonstration Lifecycle. In the Pre-Demonstration Planning phase, ITF will gather more information from each vendor, analyze the pathway to a potential demonstration, and determine any lab assessments that may need to be conducted prior to potential field demonstrations.

The BAA remains open for white paper submissions until October 17<sup>th</sup>, 2023. For any questions related to the BAA, please email [IDEA@tsa.dhs.gov](mailto:IDEA@tsa.dhs.gov). You can also learn more about ITF's focus areas, and the BAA submission requirements, by visiting [SAM.gov](http://SAM.gov).

### Self-Service Screening Initiative

The DHS Science and Technology Directorate (S&T), in partnership with TSA ITF, leads the Self-Service Screening Initiative to advance the development of self-screening security checkpoint technology solutions initially intended for TSA PreCheck® passengers. Self-Service screening is a network of connected and integrated Transportation Security Equipment (TSE) that allows an individual to complete the screening process and resolve system alarms with minimal TSO interaction. The first of two self-service screening systems is currently installed at the TSA Systems Integrated Facility (TSIF) for assessment and testing. The Vanderlande Self-Service Screening system is currently a prototype design. It focuses on the initial design elements and contract requirements that will lead to development, modification, and/or refinement of requirements associated with a self-service screening system.

### XRT-4 Complete Suite Kickoff

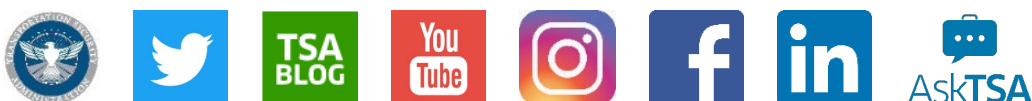
In February 2023, ITF kicked off the X-ray Tutor 4 (XRT-4) Complete Suite demonstration at LaGuardia Airport (LGA) and Harry Reid International Airport (LAS). XRT-4 is a web-based, flexible, state-of-the-art training platform. The solution delivers training beyond what the Original Equipment Manufacturers (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 interpretation. TSA is demonstrating the capabilities of the XRT-4 and its ability to replicate user interface and functionality of current and future state image generating screening solutions. The end goal is to obtain a simulator platform that can be remotely updated or easily modified to align with changes in requirements. The demonstration concluded on April 23 at LGA and May 15 at LAS.

## AIRPORT INNOVATION FORUM

### Airport Innovation Forum Q2 Briefing

In March 2023, ITF held its second Airport Innovation Forum (AIF) briefing of FY23 and received several updates from Innovation Sites. Charlotte Douglas International Airport was approved in January 2023 to work on their own data sharing effort to analyze local passenger profiles for age, gender, arrival time to airport, and other demographics to see how correlating those characteristics can improve checkpoint wait time accuracy. George Bush Intercontinental Airport (IAH) in Houston is making efforts to install 17 additional Automated Screening Lanes (ASL) and is working with TSIF to ensure the cyber security methodology used aligns with TSA goals and ensures lanes are secure. Los Angeles International Airport has been strategically planning technology incorporation at their checkpoints. The AIF FY23 Q3 meeting is scheduled for June 2023 and will include briefings from Boston Logan International Airport, Denver International Airport, and San Juan Airport.

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.



## INDUSTRY EXCHANGE RECAP

### Passenger Terminal Expo 2023

From March 14-16, members of TSA, U.S. Customs and Border Protection (CBP), and Department of Homeland Security (DHS) Science and Technology Directorate (S&T) traveled to Amsterdam, Netherlands to attend the Passenger Terminal Expo (PTE) 2023 Conference and Exhibition. PTE is an annual global industry event for airports, airlines, government agencies, vendors, and other industry stakeholders to collaborate on current issues in the aviation industry and define tomorrow's end-to-end passenger experience.



TSA engaged with event attendees at an exhibition booth that it co-hosted with U.S. CBP. TSA Representative (TSAR) for the Netherlands Katie Logisz, Acting RCA Deputy Assistant Administrator Melissa Conley, TSA Chief of Staff Holly Cavenari, Acting ITF Director Christina Peach, and ITF S&E Branch Manager Anca Alexandrescu (pictured below) represented TSA at the booth. TSA representatives spoke in multiple panel engagements on topics including Counter Unmanned Air Systems (C-UAS), Biometrics, Digital Identity, Checked Baggage, and Remote and Self-Screening Technologies. Christina Peach and RCA Executive Director of Analysis & Engineering Erick Rekstad participated in a joint panel alongside representatives from Noblis Inc. and the Integrated Defense & Security Solutions (IDSS). ITF's activities were a critical force in driving submissions to TSA ITF's current BAA and encouraging further industry collaboration with ITF.



### Aviation Festival Americas 2023

From May 16-17, TSA participated in the Aviation Festival Americas (AFA) 2023 conference in Miami, Florida. AFA is an annual event that brings together commercial airline and airport leaders in the U.S., Canada, and Latin America. The exposition connected participants with 2,500+ airline and airport professionals to discuss new strategies and technologies and build new relationships. TSA RCA representatives spoke on panel discussions on open architecture and biometrics to drive TSA ITF BAA submissions and industry collaboration with ITF.

### DEFENSEWERX Collaboration Event

On June 7, TSA ITF participated in a DEFENSEWERX-hosted Collaboration Event (CE) in Arlington, Virginia, to brainstorm resource optimization solutions for ITF.

The CE aimed to identify current limitations and ideate ways to overcome limiting factors for the Plan of Day



(PoD) problem statement submitted in August 2022 as part of ITF's problem statement intake. In addition to leading one of the session groups, ITF Strategy & Engagement (S&E) Program Manager (PM) Nicholas Kobilansky briefed attendees on the necessary background for PoD. During this open forum, participants from industry, academia, DHS S&T, and national laboratories ideated on specific challenges, potential paths forward, and actionable implementation plans.

## UPCOMING EVENTS

### Future Travel Experience 2023

On September 19-21, 2023, ITF will attend the Future Travel Experience (FTE) Global Conference and Exposition in Long Beach, California. 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 plus exhibitors, and more than a thousand senior aviation executives to share information for the future of airports. ITF is coordinating with conference organizers on speaking topics and exhibiting a TSA booth.