



# Innovation Task Force Fly By

## DEMONSTRATIONS

### IDEA BAA Window 1 Demonstration Updates

ITF started the Demonstration Planning phase of the ITF Solution Demonstration Lifecycle with four of the solutions selected in the Innovative Demonstrations Enterprise Advancement (IDEA) Broad Agency Announcement (BAA) Window 1.

**XRT-4** – HumanLink’s XRT-4 is a web-based, flexible, state-of-the-art training platform that aims to provide skills and feedback to Transportation Security Officers (TSOs) to rapidly and reliably detect prohibited items, increase their knowledge of X-ray interpretation, and decrease their rate of false alarms. ITF completed demonstration planning and documentation in August 2022 and is in the Integrated Project Team (IPT) phase. ITF is tentatively planning to have a live demonstration of the XRT-4 capability in January 2023.

**Project Dartmouth** – Pangiam’s Project Dartmouth uses artificial intelligence, machine learning, and computer vision technologies to highlight areas of interest in computed tomography images. ITF is in the demonstration planning and documentation phase and will conduct assessments at the TSA System Integration Facility (TSIF) from December 2022 to February 2023.

**AX-BOX Gatekeeper** – aXite Security Tools’ AX-BOX Gatekeeper provides comprehensive cybersecurity tools to protect the Operational Technology systems in TSA’s fleet of legacy checkpoint and checked baggage transportation security equipment ecosystems. ITF completed the demonstration planning and documentation phase in July 2022 and is in the IPT phase. TSIF assessments and assessment report generation is ongoing through December 2022.

**Foundry** – The Palantir Foundry solution is a commercial data infrastructure that integrates TSA’s operational data and translates it into human-readable objects and dynamic relationships. ITF is in the Solution Provider Readiness phase of the demonstration lifecycle.

### Self-Screening

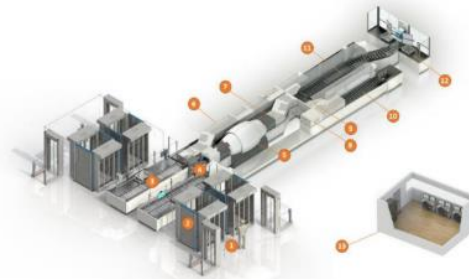
DHS Science and Technology (S&T), in partnership with TSA, leads the Self-Screening Initiative to advance the development of self-screening security checkpoint technology solutions. At the end of FY21, DHS S&T awarded design and developmental contracts to Micro-X and Vanderlande. The initial solution demonstrations are scheduled to happen in the lab environment in 2023.

**Micro-X Inc.** – The Micro-X solutions focus on consolidating Passenger Identity Verification, On-Person Screening, and Accessible Property Screening to allow passengers to simultaneously divest and receive screening. The Passenger Self-Screening Concept Designs contract is creating a screening solution that uses the natural motion of passengers removing their belongings and provides near real-time feedback if additional screening is needed.



Micro-X Airport Screening Station Design

**Vanderlande** – Vanderlande’s proposed solution is to design and build a prototype automated checkpoint that combines the current PAX Advanced MX2 Automated Screening Lane with off-the-shelf passenger screening systems to create four integrated screening stations for one screening lane. Vanderlande’s system will also provide continuous screening for prohibited and concealed items and give passengers real-time feedback.



Vanderlande Solution Concept

## INDUSTRY EXCHANGE RECAP

### Future Travel Experience 2022

In September 2022, TSA’s Requirements and Capabilities Analysis (RCA) and ITF attended the Future Travel Experience (FTE) in Las Vegas. The exposition hosted attendees from across the world to share information and ideas for the future of airports. RCA hosted tours of the ACE Innovation Checkpoint at Harry Reid International Airport (LAS), observed



Melissa Conley speaks on the Transformative Approaches to Industry Collaboration Panel at FTE

vendor start-up pitches, hosted an exhibition booth, and delivered presentations on digital identity and biometrics, transformative approaches to industry collaboration, next-generation seamless and secure travel, and cybersecurity. FTE provided an opportunity for ITF to collaborate with solution providers.

### International Design Symposium

In November 2022, Acting Assistant Administrator for RCA Keith Goll, Acting Executive Director of Capabilities Management and Innovation Matt Gilkeson, and Acting Director of the Innovation Task Force Christina Peach spoke at the International Design Symposium (IDS) in Las Vegas. IDS is an annual event where TSA and its international partners discuss emerging aviation technologies and process improvements to pave the way for the future of aviation. RCA leadership provided capability and innovation updates, answered audience questions and conducted a tour of the Innovation Checkpoint at LAS.

## UPCOMING EVENTS

### Consumer Electronics Show and EDGE23 @ CES

On January 5-8, 2023, 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 2023 conference participation will be a critical force in encouraging industry collaboration with ITF.

While in Vegas, ITF will also attend EDGE23 and participate in roundtable discussions. EDGE is a semi-annual conference produced by the Government Business Executive Forum, an organization of senior technology-regulated industries and government professionals. ITF attended the EDGE winter and summer sessions in 2022, which enabled networking opportunities with industry and other federal agencies.

## AIRPORT INNOVATION FORUM

### Airport Innovation Forum Q4 Briefing

In August 2022, ITF held its FY22 Q4 Airport Innovation Forum (AIF) briefing. Synect kicked-off the briefing by introducing their new ReadySeeGo system, which is currently in use at Orlando International Airport and LAS. TSA uses ReadySeeGo to educate passengers on the necessary steps to take before, during, and after the security checkpoint, enabling TSOs to focus on screening rather than directing passengers. LAS provided an airport briefing and shared updates on its Checkpoint Property Screening System, ReadySeeGo totems, Enhanced Advanced Imaging Technology and Credential Authentication Technology demonstrations. The AIF FY23 Q1 meeting is on November 17th and will include a brief from Amorph Systems and airport briefings from Tampa International Airport, Detroit Metropolitan Wayne County Airport, San Francisco International Airport, and Billings-Logan International 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.

