



Innovation Task Force

RCA | REQUIREMENTS & CAPABILITIES ANALYSIS

Innovation Task Force Fly By

Hello!

Welcome back to the Transportation Security Administration (TSA) Innovation Task Force (ITF) newsletter. Have you ever wondered how your priorities align with ITF priorities? Or how TSA is working with industry partners and the traveling public to innovate? Our quarterly newsletter serves as a resource to learn more about recent happenings and important information. We also provide you with the updates you need for upcoming solicitations and collaboration opportunities.

Over the last quarter, ITF released a new animated video, planned for the upcoming release of our Future Checkpoint solicitation, wrapped up construction at the Innovation Checkpoint, furthered TSA's Dynamic Screening initiative, and piloted three solutions in live airport environments. Read about some of our biggest accomplishments below!

THE FUTURE OF TRAVEL

ITF Releases New Animated Video

Our vision

What will travel look like over the next 5 years? Can it be both **safer** and **more convenient**? We think so. As a follow-up to the 2019 "[Journey to Seamless](#)" video, ITF recently released "[TSA's Vision: A Glimpse at the Future of Travel](#)", where we take a look at the kind of technology you'll start to see at airports, train stations, and more over the next five years, plus a vision of the future beyond. ITF promoted the new video in their latest social media campaign, via TSA's Instagram account, reaching **259,809 distinct users** and garnering **2,465 views**! Click below to [watch our new video](#), and join us on the journey to seamless.



TSA's Vision: A Glimpse at the Future of Travel

UPCOMING SOLICITATIONS

ITF Plans for Upcoming Release of Future Checkpoint BAA

First of all, what is the Future Checkpoint?

The Future Checkpoint is a [designated innovation space and prototype for TSA labs of the future at the TSA Systems Integration Facility \(TSIF\) in Arlington, VA](#). The Future Checkpoint will be used as a capability integration and evaluation environment primarily for [technology integration, solution co-creation, and rapid prototyping](#).

Expanding the way we do business

In the near future, ITF plans to release a [new Broad Agency Announcement \(BAA\)](#) in conjunction with the opening of the TSIF Future Checkpoint. The Future Checkpoint BAA will differ from ITF's recent solicitations in that it will [seek out solutions of lower Technology Readiness Level \(TRL 4+\)](#) to demonstrate [in the TSIF Future Checkpoint space](#), as opposed to a live airport environment. By allowing vendors the freedom to demonstrate their solutions [without the typical constraints of the existing security structure and operations](#), this solicitation expands the opportunity for solutions with the potential to transform TSA's security capabilities and enhance the Transportation Security Officer (TSO) and passenger experience.





An inside look at the TSIF, which will soon be the home to a new Future Checkpoint space and welcome a cohort of innovative solutions for demonstration

Interested in partnering with us?





Keep an eye out on beta.sam.gov and the [ITF website](#) to stay in the know about all solicitation opportunities, including the upcoming release of the Future Checkpoint BAA!

ADVANCING THE CHECKPOINT ENVIRONMENT

Innovation Checkpoint to Reopen this Summer

The new and improved Innovation Checkpoint

ITF, in partnership with McCarran International Airport (LAS), developed the ACE Innovation Checkpoint to showcase unique opportunities to modify and define the future aviation security process and enhance the passenger experience. After several months of [remodeling and refurbishments](#) during the pandemic, the Innovation Checkpoint at LAS will be ready to [reopen to the public in the summer of 2021!](#) Upon reopening, passengers traveling through the checkpoint can expect to [experience some of TSA's most innovative technologies](#), including the several technologies shown below.

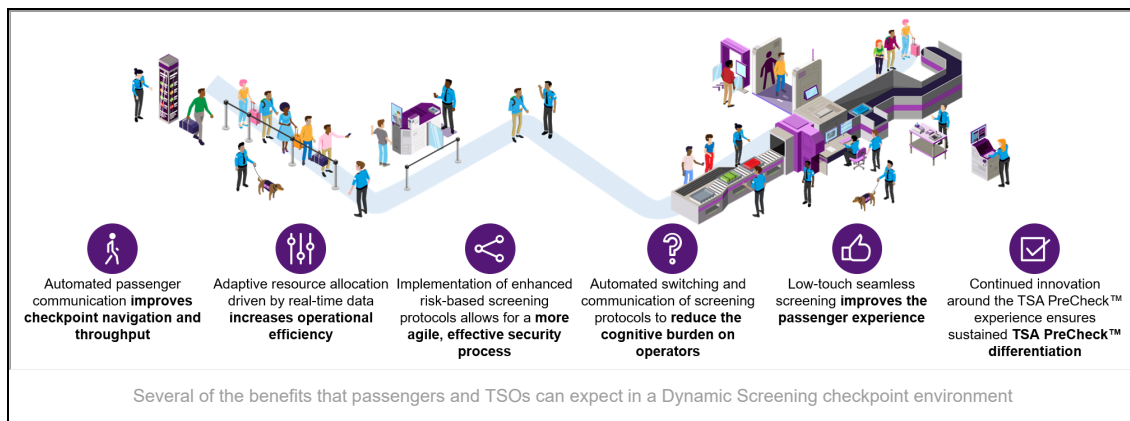
Computed Tomography (CT) integrated with Automated Screening Lanes (ASL)	Digital Signage Totems	Customer Movement Analytics	Enhanced Advanced Imaging Technology (AIT)
			

DYNAMIC SCREENING

Reimagining the Screening Experience

What is Dynamic Screening?

Dynamic Screening imagines a checkpoint of the future that provides **personalized screening** that adjusts its level of screening based on what is known about each passenger rather than relying on static, one-sized fits all screening. Dynamic Screening seeks to **integrate checkpoint technology** interfaces procedurally and systematically so technologies connect and communicate throughout the screening process. Through these efforts, TSA can ultimately create a **user-friendly, lighter-touch, at-speed experience** for both the passenger and TSO.



So, how can we get there?

ITF recently launched its **Dynamic Screening Community of Interest (COI)**, a forum for collaboration on cross-capability development to further TSA's progress towards implementing the dynamic checkpoint of the future. The COI is the direct result of the series of successful **journey mapping working sessions** that engaged personnel across all levels at Innovation Airports to understand strengths, weaknesses, and pain points of current checkpoint operations. Outputs of the journey mapping sessions are the **bedrock of Dynamic Screening goals**: improve checkpoint navigation, increase operational efficiency, create a more agile security process, reduce cognitive burden on officers, sustain TSA PreCheck® differentiation, and improve the passenger experience. Through the COI, stakeholders from across **TSA will work collaboratively to shape their strategic vision** for the future of Dynamic Screening and establish a path forward for capability development and execution.

DEMONSTRATIONS GO LIVE

UV-C Bin Disinfection Solutions Piloted at DCA



The two UV-C disinfecting models being trialed at two security checkpoints at DCA

Slowing the spread of COVID-19

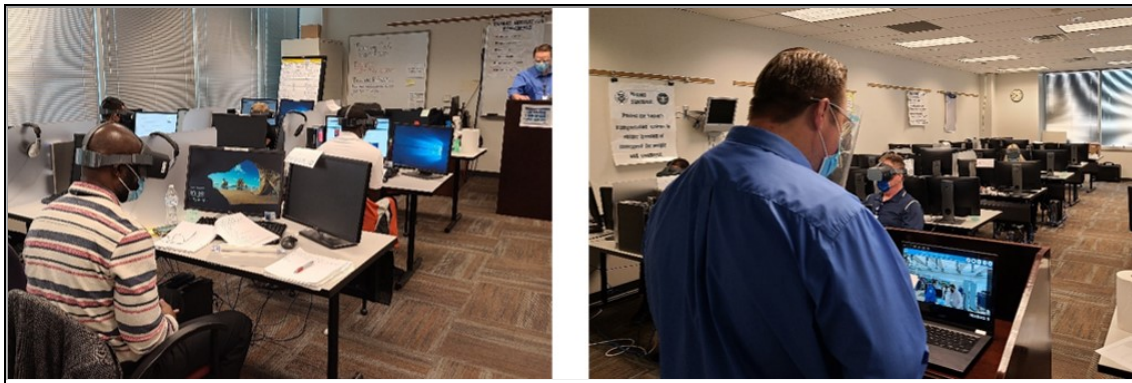
Last month, ITF launched an assessment of a new technology that uses **ultraviolet (UV-C) light to disinfect airport checkpoint bins**, as part of its efforts to provide safer checkpoint experiences amidst the ongoing COVID-19 pandemic. The standalone conveyer belt systems **expose bins directly to UV-C light** as the rollers advance them through the system. TSA anticipates the equipment will have **no impact on passenger screening times** or the efficiency of the checkpoint screening process. The **initial assessment of two different models** is taking place in two checkpoints at Ronald Reagan Washington National Airport (DCA).

How we measure success

In the lab environment, **TSA conducted efficacy testing** using digital and sticker dosimeters placed on the bins to evaluate UV-C dosage, safety, and processing times. ITF will be further assessing the technology to determine the equipment's ability to reach the required UV-C dosage and **reduce the number of pathogens** on the checkpoint bins. The assessment seeks to determine efficacy in creating a **more hygienic security checkpoint**, while maintaining **operational efficiency** and balancing space and staff requirements.

DEMONSTRATIONS GO LIVE

Virtual Reality Solution Redefines Officer Training



A new way to learn

In order to test a new innovative method for training TSOs, ITF teamed up with TSA Training and Development to demonstrate the Virtual Reality Training Classroom solution. This solution allows TSA to design and develop their own customized [360-degree video content](#) based on training needs and [train officers in an immersive, virtual reality environment](#).

VR in action

ITF started the field demonstration of the VR training solution at Denver International Airport (DEN) in March 2021 and successfully delivered [multiple sessions for the two different TSO basic training lessons](#) developed. As seen above, officers viewed the training content through [VR headsets](#), while the [instructor controlled the virtual course through a laptop](#). Check out the photos above to see officers experience this innovative training delivery solution!

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

VISIT OUR WEBSITE

