



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 what innovation means to TSA? Our quarterly newsletter serves as a resource to learn about recent happenings and important information. We'll provide you with the information and updates you need for future solicitations and collaboration opportunities. Over the last quarter, ITF has been busy pushing the boundaries of innovation. Take a look at some of our biggest accomplishments!

IDENTIFYING INNOVATIVE SOLUTIONS

IDEA Targeted BAA 2019—NOW CLOSED



IDEA Targeted BAA 2019 closed on January 17, 2020

We asked...you delivered!

IDEA Targeted BAA 2019 opened on October 31, 2019 and closed on January 17, 2020. The targeted BAA focused on identifying solutions that align to problem statements to address currently-identified technological needs by the agency and included an option to submit vendor-identified solutions. The problem statements were:

- **Portable Screening (On-Person and Accessible Property):** How can TSA conduct primary screening of employees and passengers across various areas in the airport environment using portable solutions?
- **Alarm Resolution (On-Person, Accessible Property, and Checked Baggage):** How can TSA, while conducting on-person, accessible property, and checked baggage screening, perform alarm resolution via secondary screening without the need to physically pat-down passengers or directly collect a trace/particulate sample of the alarmed item/substance?

By the numbers

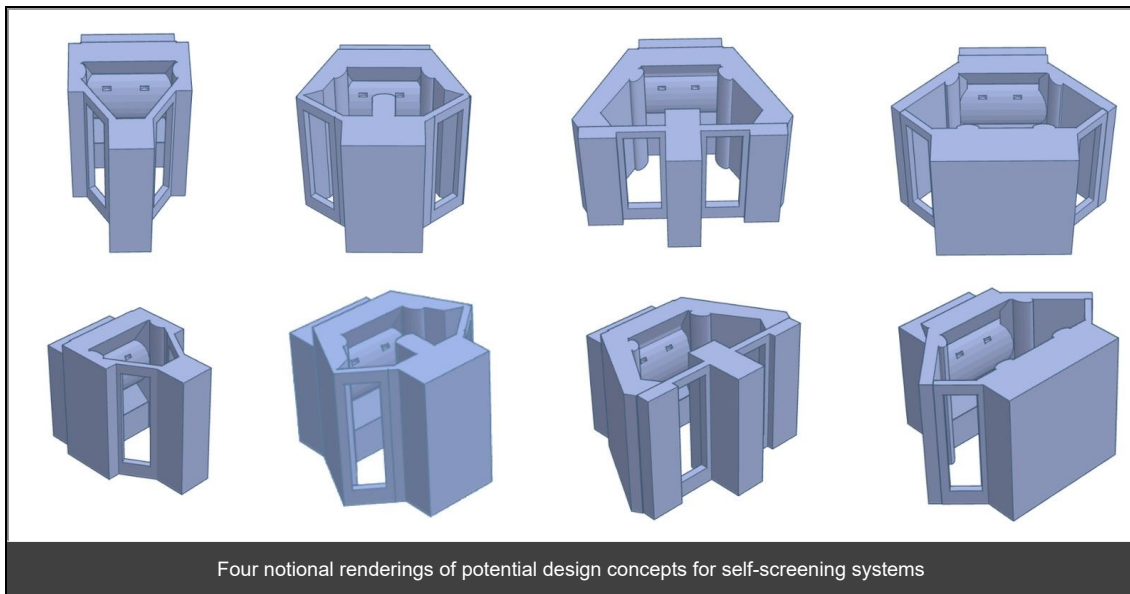
The IDEA Targeted BAA 2019 received 23 total submissions from vendors, with 21 unique vendors submitting solutions. 62% of vendors identified as small businesses, 5% of vendors identified as medium businesses, 19% identified as large businesses, and 14% of vendors chose not to respond when asked.

What's next?

ITF will select solutions to demonstrate in the coming weeks. If you are among the many vendors who submitted to the IDEA Targeted BAA 2019—thank you for participating and taking the time to share your ideas with us. For all those who did not get the opportunity to submit to the IDEA Targeted BAA 2019 or who are among those eventually not selected from IDEA Targeted BAA 2019, we hope you will consider submitting an idea to the Self-Screening Initiative or to an upcoming solicitation. ITF tentatively plans to release another solicitation this summer so stay tuned to this newsletter for any updates about our future intake efforts!

INNOVATING FOR TOMORROW

Self-Screening Accelerator Challenge



DHS S&T innovates

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) Apex Screening at Speed program is pursuing transformative research and development (R&D) activities to increase aviation security effectiveness. R&D activities are expected to influence solutions that will result in reduced wait times and improved passenger experience.

A call to industry

To enable this vision, Apex Screening at Speed, in conjunction with the ITF, hosted an Aviation Checkpoint Industry Day on February 12, 2020 to solicit ideas for passenger self-screening technologies to help transform the security checkpoint concept of operations. The self-screening objective is to create a passenger-friendly, intuitive screening solution while improving security, accelerating the passenger experience, and reducing the need for Transportation Security Officers (TSOs) to conduct physical pat-downs.

Revolutionizing the future checkpoint experience

Nearly 50 unique vendors attended the Aviation Checkpoint Industry Day at TSA Headquarters in Arlington, VA to learn more about Self-Screening from experts at TSA. Vendor solutions are expected to generate the following benefits:

- Transformed Screening Procedure: A refresh in how on-person screening is conducted
- Faster Screening and Alarm Resolution: A reduction in average on-person process times
- Improved Passenger and TSO Experience: A change in the need for TSOs to conduct physical pat-downs
- Improved Pre✓® Product: A transformation in Pre✓® checkpoint layout and experience

RESEARCH & DEVELOPMENT

Planning your R&D strategy?

TSA Capability Roadmaps

Check out the TSA Capability Roadmaps that have been published on our [website](#). We recently published capability roadmaps for [Checkpoint Property Screening](#) and [Biometrics](#). More to come soon!

GLOBAL IMPACT

TSA International Design Symposium



TSA Administrator David Pekoske opens day two of the International Design Symposium

All about collaboration

Requirements and Capabilities Analysis (RCA) convened international partners to collaborate on security checkpoint design and enhancements for an invite-only design workshop from January 29-31, 2020 in Arlington, VA.

Breaking boundaries

RCA gathered over 200 attendees from nearly 40 countries—both internal and external to TSA—including airport representatives, law enforcement, and designers to provide a forum for discussion on checkpoint design and innovation. The event emphasized collaboration across cultures and included representatives from a range of airport sizes with varying capabilities.

Impact across the globe

Highlights from the event included presentations from TSA Administrator, David Pekoske, and ITF Acting Division Director, Mara Winn, with an emphasis on global collaboration of aviation security. Pekoske focused heavily on TSA's security posture and threat detection enhancement across the United States. Winn discussed ITF's impact on rapid modernization of checkpoint technology and the influence of multimillion-dollar equipment acquisition decisions.

Innovating for tomorrow

Attendees participated in a checkpoint design activity that featured revolutionary ideas such as indoor drones and contactless body temperature scans. On the final day, attendees were given the opportunity to speak with Checkpoint Subject Matter Expert, Dale Mason, to aid in checkpoint innovation across the globe. The International Design Symposium received high praise from international attendees and TSA offices alike.

INDUSTRY ENGAGEMENT

ITF at CES (Consumer Electronics Show)





One DHS booth

ITF collaborated with the Department of Homeland Security's Science & Technology Directorate (DHS S&T) to host a "One DHS" booth on the expo floor at CES in Las Vegas, NV from January 6-10, 2020 to better understand how **emerging and disruptive technologies** can be applied to **enhance DHS security operations**.

Connecting with you

With over 170,000 attendees and 4,400+ exhibitors, ITF was able to connect and collaborate with solution providers outside of the traditional aviation security space. In addition to connecting with in-person attendees, TSA spoke on "The Travel Experience of the Future" panel as well as a DHS Town Hall Panel, where speakers shared perspectives on partnering with industry to **improve aviation security outcomes** and **reduce friction in the passenger journey** through the checkpoint.

The trends

By attending CES, a non-aviation industry-specific event, TSA had the opportunity to better understand **emerging and disruptive technology trends** and innovators can better understand how their ideas can be applied to DHS security operations. ITF identified a **number of interest areas**, to include: AR/VR & gaming, artificial intelligence & robotics, design & source, drones, enterprise solutions, high-tech retailing, internet of things (IoT), infrastructure, resilience, self-driving technology, smart cities, tourism, wearables, and more.

Want to learn more?

TSA's presence at CES garnered significant media attention, attracting requests for three separate interviews. Our favorite quotes, captured by external media sources include:

- “We are here to talk about our problems because we do not solve our problems alone. We look to solution providers to give us ideas that we didn't even know were possible before.” -Mara Winn ([Apex](#))
- “Hopefully [the self-screening concepts] will get people thinking about the different technologies that come into play. I'm really putting it on industry. I'm really excited to see what industry comes back with.” -Mara Winn ([Newsy](#))

CONNECT WITH US

Like What You Read? Catch Us At...

South by Southwest (SXSW): March 13 - March 22

We are excited to travel to [Austin, Texas](#) to attend SXSW in mid-March and hope to see you there! For more information on SXSW, visit the SXSW [website](#).

Passenger Terminal Expo (PTE): March 31 - April 2

ITF will also be traveling to [Paris, France](#) to attend PTE in late-March and can't wait to meet you! For more information on PTE, visit the PTE [website](#).

VISIT OUR WEBSITE

