Transportation Security Administration

TSA Open Architecture Industry Day

Introduction

The Transportation Security Administration (TSA) is hosting an Industry Day on TSA's Open Architecture (OA) initiatives and invites industry, academia, Department of Homeland Security components, congressional representatives, national labs, and government stakeholders to attend. The objectives of the Industry Day are to:

- Discuss TSA's OA strategy and activities as outlined in TSA's Open Architecture Strategic Roadmap (draft posted to Sam.gov on February 9, 2023)
- Discuss key components of TSA's OA approach
- Share potential TSA opportunities related to OA
- Collaboratively engage with stakeholders and share information and ideas on TSA's OA approach and discuss intended path forward

Background

TSA's mission is to protect the Nation's transportation systems to ensure freedom of movement for people and commerce. To achieve this mission in an evolving threat environment, TSA must prioritize being an agile and flexible organization that can rapidly field innovative screening solutions that improve TSA's security posture. Leveraging an OA design approach will allow TSA to improve its security posture, support its frontline workforce, and promote an improved customer experience.

OA is a design approach in which equipment components, such as software and hardware, are standards-based and interoperable to allow a wide range of industry partners to create improved subcomponents (e.g., new detection algorithms, user interfaces, reporting systems). Leveraging this approach will provide TSA with the ability to establish a superior transportation security System of Systems (SoS) by taking a set of systems or system components that interact and provide a unique capability that cannot be accomplished independently.

TSA released the draft TSA Open Architecture Strategic Roadmap for industry review and feedback and is working towards a final publication. The roadmap will serve as a foundational document providing TSA's vision, goals, and objectives to establish a connected transportation security SoS. TSA intends for the roadmap to evolve and will create more detailed artifacts as the agency partners with industry and stakeholder organizations to implement OA goals and objectives.

Event Date, Time, and Location

Event Name	TSA Open Architecture Industry Day
Date	April 27, 2023
Time	1:00 to 4:30 p.m.
Location	Virtual; Microsoft Teams

Event Description

The half day event will include presentations on TSA's OA vision, near-term and long-term goals and objectives, current demonstrations, and initiatives. The industry day will also include panel discussions to provide an opportunity for industry to engage with TSA representatives.

Agenda

(Tentative, subject to change)

Topic	Description	Time
Welcome	Event logistics and agenda	1:00 – 1:05 p.m.
Opening Remarks	Background, context, drivers, and benefits of pursuing Open Architecture initiatives at TSA	1:05 – 1:15 p.m.
Promoting Innovation in Transportation Security	Overview of the TSA Innovation Doctrine	1:15 – 1:30 p.m.
TSA Open Architecture Strategic Roadmap	Overview of the TSA Open Architecture Strategic Roadmap with deep dives into key topic areas	1:30 – 2:30 p.m.
Break: 2:30pm – 2:40pm		
Applying Open Architecture to TSA Capability Areas	Panel: Open Architecture discussion and application across capability areas to include Accessible Property Screening, On-Person Screening, Alarm Resolution, Checked Baggage Screening and Identity Management	2:40 – 3:25 p.m.
Challenges, Considerations, and Path Forward	Panel: Discussion of the organizational elements, policies, and processes associated with moving towards an Open Architecture environment	3:25 – 4:10 p.m.
Closing	Q&A/Wrap-up	4:10 – 4:30 p.m.

TSA requests that all industry questions for the panel discussions be submitted in advance with your registration.

Attendees

Attendees should include representatives from companies in or pursuing the aviation security industry or those from companies and organizations with applicable technology. This may include federal labs, universities, and third parties that may find the presentations supportive of their research and development related to the TSA mission. Small businesses are also

encouraged to attend.

Registration

This event is free, however advanced registration and approval of attendees by TSA is required. The registration request with the following information must be submitted to email address ORCATechnologyConference@tsa.dhs.gov **no later than 5:00 p.m. EDT on April 19, 2023.** The registration request shall include the following information (one request per organization):

1. Institution/Company Name
2. Institution/Company Type and Size (e.g., OEM or equipment manufacturer, university, national lab, consultant)
3. Individual Attendee Names and Titles (Limited to two (2) persons)
4. Contact Information of proposed individual attendees (e-mail address and phone)
5. Any Advanced Questions for the Panel Discussions

Vetting will be completed by TSA and a final confirmation email with additional details regarding attendance will be sent no later than April 21, 2023, to those who are authorized to attend the TSA Open Architecture Industry Day.

All questions in regards to this announcement and the Industry Day itself shall be addressed in writing to the following recipient: Justin.Keear1@TSA.DHS.gov.