

TSA Multimodal and Public Area Capabilities (MPAC) Program Overview

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Surface Security Technology (SST) Overview

Mission

Evaluate advanced technologies and **facilitate industry awareness** to identify and **mature promising technologies** that help address identified surface transportation security **capability gaps**.

Domains







Maritime



Pipeline



Highway



Freight Rail



Public Areas



Infrastructure Protection

Key Themes

Partnerships

Collaborate with government agencies, technical experts, vendors, and end users to communicate security technology capabilities with a variety of stakeholders

Engagements

Re-engage traditional communication and testing practices in addition to virtual activities to continue to support and inform surface transportation end users

Data Analytics

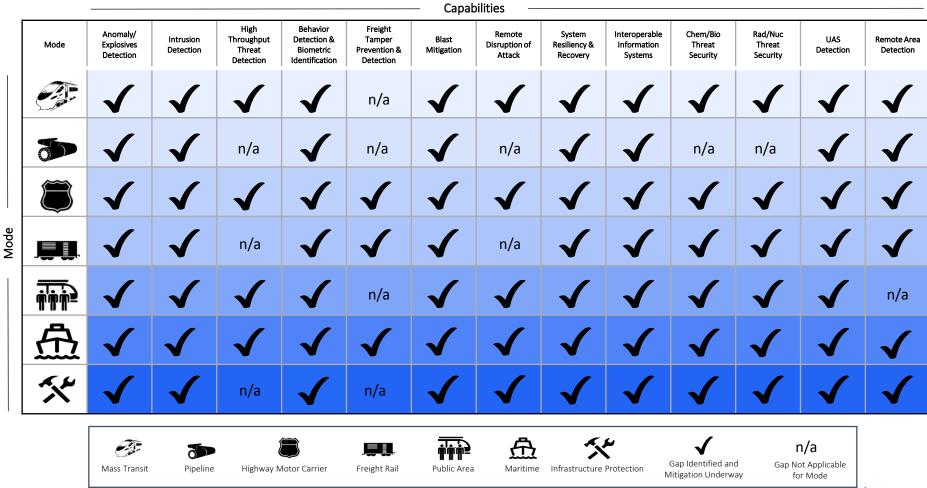
Leverage reports and assessments from new and advanced technologies to better address threats and share operational feedback with stakeholders





SST Capability Gaps

SST collaborates annually with stakeholders in the Research and Development Working Group (RDWG) to identify new capability gaps and refine and reassess existing gaps, and integrates feedback from end users to inform next generation technology. The RDWG helps to set priorities for TSA and Department of Homeland Security Science and Technology (DHS S&T) Research and Development (R&D).

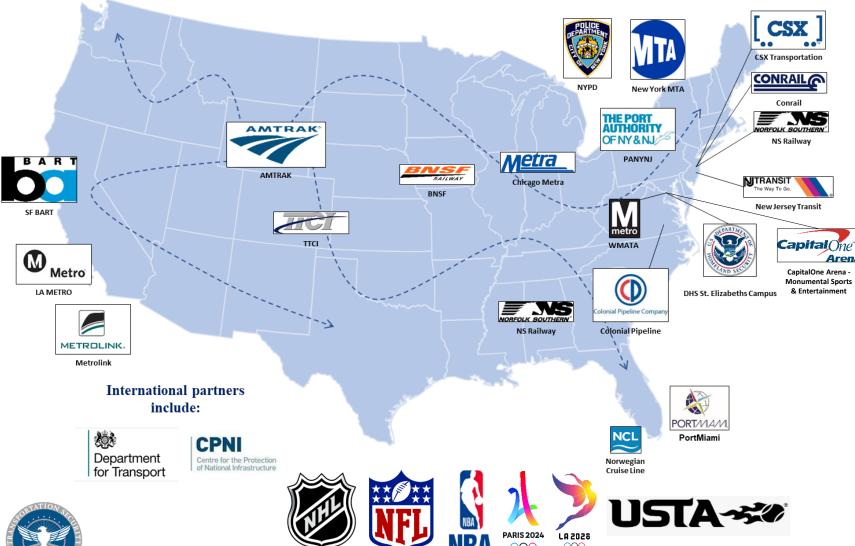






Operational Testing Partners

SST supports an extensive set of transportation modes and security missions across the continental United States, including 11 mass transit test beds (MTTBs). SST will continue to pursue and establish test beds across the country.



Through formal Memoranda of **Agreements** (MOAs), MPAC partners with representative and higher-threat transportation venues to test and evaluate next generation and emerging technologies in operational transportation conditions

TSA Benefits

- Collection of enduser requirements and feedback
- Access to technology testing in live operational environments

End-User Benefits

- Exposure to next generation security solutions
- Access to TSA technology expertise and solutions to address end-user capability gaps













MPAC Stakeholder Communication

Public Area Security Infrastructure Protection Branch (PASIPB) Quarterly Newsletter



- Communicate PASIPB program updates with a distribution list of over 300 Transportation Stakeholders, TSA employees, and Interagency Partners
- Volume 3 Issue 3 was disseminated in July 2023

Air Cargo Screening Technology List (ACSTL)



- TSA's official guide for regulated parties to use when procuring screening devices in accordance with TSA approved Security Programs
- Two versions of the ACSTL were released in FY23

State of Technology Report



- Communicate the present and outline a vision for the future of a variety of technology types
- Past issues covered:
 PBIED Detection
 Systems and Vehicle
 BIED Detection Systems
- Next issue will cover C-UAS

Surface Transportation Security Technology Catalog



Assist surface stakeholders on technology investment decisions, enabling them to tailor their CONOPS and develop improved grant applications

The 2022 Catalog contains:

15 Years of technology assessment data from lab and field testing37 Summaries from SecurityTechnology Demos Since FY16

45 Commercially AvailableTechnologies28 Legacy Systems

Exit Lanes Technology Toolbox



This online toolbox will be made available to all airports to assist the evaluation of Exit Lane Technology applicability to their environments

Key Features:

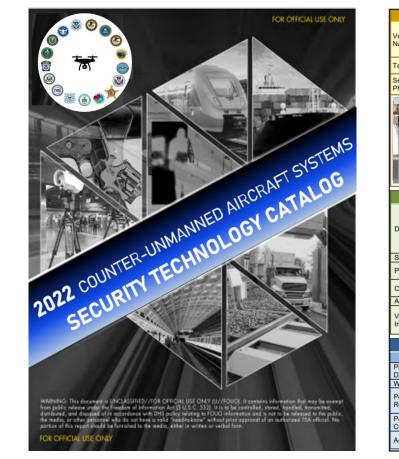
Self Assessment: Evaluate existing Cost Benefit Analysis: Identify exit lane technology solutions break even on new technologies

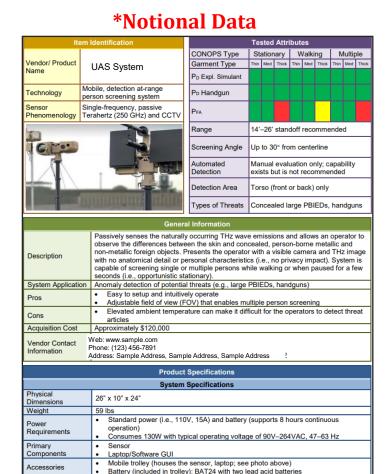
Decision Aid: Determine suitable Videos and Documents: Instruct on technologies for their environment use and requirements



C-UAS Security Technology Catalog

Since 2002, TSA has developed a catalog of current independently evaluated surface security technology solutions and is developing a similar publication for C-UAS technology solutions. **MPAC will annually produce a C-UAS Security Technology Catalog of equipment that is effective and suitable for use in operational airport environments.**





C-UAS Security Technology Catalog

TSA will develop and disseminate a UAS technology testing catalog which will include the following deployment information:

- · Installation and operational guidance
- Effective range, probability of detection, probability of false alarm
- CONOPS recommendations
- Speed of operation, data accessibility and storage
- Tested attributes and deployment considerations



Please direct all questions or inquiries to:

TSA C-UAS Capability Manager

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