



October – December 2023

IN THIS ISSUE

As companies continue to integrate artificial intelligence (AI) into global products and technology, TSUSG is responding. A new TSUSG priority committee focused on AI will kick off shortly, and volunteers are needed to help navigate this challenge. If you are interested in joining a kickoff meeting in early February, please send an email to tsusg@ornl.gov.

TSUSG’s new, AI-focused Priority Committee 10 (PC-10) will broadly investigate how a rapidly evolving AI landscape is directly impacting transportation security. As adversaries evolve and leverage highly advanced tactics to achieve their ultimate goals, AI is a powerful new tool in their toolbox – one with the potential to facilitate the interception of high-risk and high-security cargo or material. Along with other applications and scenarios up for discussion, PC-10 will dive into existing and developing AI technologies and how they can be used in adversarial or nonhostile/friendly ways to disrupt or assist with heavy-duty freight infrastructure at ports.

WELCOME, NEW MEMBERS

We would like to welcome the following new members to TSUSG! We are very happy to have each of you on board and look forward to a continued and beneficial partnership, as we strive to enhance the security of radioactive materials in transit, together. Please join us in welcoming:

- Jonathan Semones – U.S. Customs and Border Protection
 - Christine Moore – Summit Exercises and Training
 - David Bryant – Massachusetts Emergency Management Agency
 - William Lorenzen – Nuclear Sector Coordination Council
 - Adian Cook – Oak Ridge National Laboratory
 - Carter Christopher – Oak Ridge National Laboratory
 - Kerby Young – Pennsylvania State Police
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ANNOUNCEMENTS & UPDATES



Mark your calendars to attend the TSUSG Annual Conference on Aug 27-29, 2024, in New York. Details about the venue, agenda, and recommended lodging will be forthcoming.

The TSUSG website is up and running for members. Members have access via tsusg.ornl.gov/members to view the announcements, resource library, and events. Check out the [training page](#) that PC-8 put together, and [take the survey](#) about which trainings you need. Bookmark this link and use it to access members-only information, but please don't share the link with non-members. If people are interested in joining TSUSG, refer them to tsusg.ornl.gov to get started.



PRIORITY COMMITTEE UPDATES

Priority Committee 7 (PC-7) - Managing radioactive source transport security regulations:

Following the 2021 TSUSG Annual Conference, PC-7 was assigned three ongoing, priority tasks:

- Updating the practical crosswalk guide that identifies source transport security regulations in the United States, Canada, and IAEA
- Developing a good-practice guide for multi-modal transportation to address inconsistencies with the different modal regulations (excluding rail, as it is not a mode used to transport sources covered by TSUSG)
- Addressing possible inconsistencies among the various transportation regulations of DOT, NRC, and Agreement States

PC-7 is also using AI software to develop guidance documents that touch on related topics:

- Identifying major differences among various transportation regulations, as promulgated by NRC, DOT, and IAEA
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- Identifying how such differences are managed during multi-modal shipments
- Identifying currently available guidance documents and an updated list of contacts where subject matter experts can assist in clarification and guidance
- Developing a frequently-asked-questions document with possible responses
- Highlighting areas where – due to differences in regulations – issues or problems exist that could negatively impact source security during transport
- Identifying current regulations that permit the use of drones for delivery of radioactive packages (Canadian Regulatory Agency currently permits delivery for limited activities)

Priority Committee 8 (PC-8) - Training opportunities within TSUSG:

- With help from the Oak Ridge National Laboratory web development team, PC-8 members launched <https://tsusg.ornl.gov/training/> within the TSUSG website. This collected listing of available, significant training courses, programs, and references serves as a living repository for stakeholders responsible for the secure transport of radiological material. Moreover, in the interest of building a broader, more comprehensive listing over time, PC-8 developed a survey to advance collective understanding of each stakeholder’s previous training experiences; it should provide helpful input for the development of new training designed to meet challenges of the future. Thank you for taking the time to review and [complete this survey!](#)

Priority Committee 9 (PC-9) – Cybersecurity issues and mitigation options:

We are working toward creating a TSUSG webpage featuring Cybersecurity Awareness information. Sections of this page will include Planning, Detection, and Response. We have also created our first quarterly cybersecurity news bulletin. PC-9 members are encouraged to discuss items at our monthly meetings, which will be included on lists like the following:

Oct 2023:

- [Local Knoxville trucking company makes national news! Victim of cyberattack](#)

[NHTSA offers pilot testing for Vehicle Cybersecurity Training program](#)

Nov 2023:

- [CISA Shields Ready Campaign: Critical Infrastructure Risk Assessment & Resilience](#)
 - [Cyber incident in Australia leaves ports shuttered](#)
 - [Host of “High” severity vulnerabilities uncovered in Google Android](#)
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 **DID YOU KNOW...**

In 2016, there were approximately 150 land shipments, 1,800 air shipments, and 40 sea **shipments of Category**

1 and Category 2 radiological sources in the U.S. These included roughly 400 import shipments, 1,500 export shipments, 60 transshipments, and 40 domestic shipments.

TSUSG Members: *if you have anything of interest you would like to share in this section with the rest of the membership via this quarterly bulletin, please send it to tsusg@ornl.gov for consideration.*

 **UPCOMING EVENTS**

COHMED Conference – January 22-26, 2024 – Savannah, Georgia

- **TSUSG FY24 Q2 Tactical Meeting** (Virtual) – March 5, 2024, 1100 – 1300EST: TSA will present overview of roles and responsibilities, and resources available to help improve and enhance surface transport security. A virtual link (for attending via Teams) will be emailed to members in February.

SUBMIT [feedback, events, or other items of interest for this quarterly bulletin](#)