



## TSUSG PC 7

Status: Ongoing

### Fact Sheet

Priority—Managing radioactive source transport security regulations



### Status and Mission

**Status:** Membership recruitment is under way.

**Mission:** Three priority issues identified at the 2021 TSUSG Annual Conference were assimilated into this PC:

1. Develop a simple, practical guide to identify and implement source transport security regulations in the United States (flowchart—high-level view/map starting with International Atomic Energy Agency (IAEA) tiered system, working to the IAEA member state [i.e., US federal regulations], and subsequently to state regulations).
2. Develop a good-practice guide for multi-modal transportation to address inconsistencies with the different modal regulations (excluding rail since it is not a mode used to transport sources covered by TSUSG).
3. Address inconsistencies in a high-level manner as an add-on to the work of this PC, or as a stand-alone subject for another new PC.

### Guidance on the Preceding:

1. This PC will develop a guide for TSUSG members and functional groups to understand how to develop international, federal, and state regulations. The flow-through approach will use Nuclear Safety and Security Series documents development by the IAEA to serve as a template for federal government regulatory bodies to develop country-specific regulations. The guide will provide an understanding of regulation development, how to work with each level of government for input, how regulations can be changed, and how to identify opportunities to impact standardization and harmonization. Initial considerations include:
  - obtaining IAEA document structure covering all levels of documentation (safety and security standards, fundamentals, requirements, guidance documents, etc.) and IAEA process for development of such.
  - reviewing CFR process.
  - reviewing state process.
  - identifying areas in transport security of radioactive sources where regulations are inconsistent, unclear, contradictory, or nonexistent.
  - identifying a “wish list” of changes to improve effectiveness, efficiency, and consistency of regulations from a TSUSG functional group (government, law enforcement, industry) perspective.



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2. Transport security and transport safety regulations are modal-specific to ensure requirements are appropriate for moving radioactive sources within each mode's operations and controls. Although the intent of all regulations is safe and secure transport, the specific requirements and processes vary among modes. Understanding modes of interest by the TSUSG, such as road, air, and sea, will inform requirements for transport where more than one mode of transport is used for a given shipment. Given the modal-specific nature of regulations, there is a risk that differences exist, and such differences must be managed when a multi-modal shipment occurs.

This PC should consider this aspect of the regulatory process and develop a guidance document that:

- highlights major differences
  - identifies how such differences are managed during multi-modal shipments
  - identifies where guidance can be found and the details of contacts where subject matter experts can assist in clarification and guidance
  - develops a frequently-asked-questions document with responses
  - highlights areas where, because of differences in regulations, issues or problems exist that could negatively impact source security during transport.
3. Elements 1 and 2 provide guidance as to how regulations are developed and will, as part of the review and development process, give rise to a "plan" to suggest needs and potential resolution to applicable competent authorities. A different PC might be assigned to move this along, or this PC might receive an extended scope once it gets to this point in its activities.