

Harmonization of Transport Regulations for Class 7 Dangerous Goods in Thailand

Thailand has undertaken efforts to harmonize its national regulations governing the transport of radioactive materials (Class 7 Dangerous Goods) with international standards, particularly those of the International Atomic Energy Agency (IAEA) and the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). These efforts are led by the Office of Atoms for Peace (OAP) and the Department of Land Transport (DLT), following the enactment of the Nuclear Energy for Peace Act in 2016.

This paper outlines the recent development and implementation of transport safety and security regulations, including the application of security recommendations from the IAEA Nuclear Security Series: Security of Radioactive Material in Transport, as well as the integration of ADR under ASEAN Protocol 9. It also highlights the role of stakeholder engagement, regional cooperation, and capacity-building activities supported by international partners.

Current challenges in the regulatory framework, such as outdated regulations and limited inter-agency coordination, are addressed. Finally, the paper discusses strategies including the deployment of the DG-TSA system and the regulatory activities to enhance emergency preparedness and shipment tracking. These initiatives aim to strengthen Thailand's transport safety and security infrastructure for radioactive materials in alignment with global best practices.