
Radiation and Transport Safety

Objective

To support Member States in improving radiation safety of people and the environment through the development of safety standards and by providing for their application. To support Member States in establishing the appropriate safety infrastructure through support and implementation of the Code of Conduct on the Safety and Security of Radioactive Sources and Supplementary Guidance, as well as through safety reviews and advisory services. To support Member States in capacity building, through education and training, and in encouraging the exchange of information and experience.

Radiation Safety and Monitoring

The Postgraduate Educational Course (PGEC) in Radiation Protection and the Safety of Radiation Sources continued to be an effective programme through which Member States address their needs for training personnel with regulatory or advisory functions in radiation safety. The Agency held five PGECs on Radiation Protection and the Safety of Radiation Sources, in Algeria, Argentina, Belarus, Ghana and Jordan in different languages.

The Agency held a virtual Technical Meeting on Developing Effective Methods for Radiation Protection Education and Training of Health Professionals in March 2021 to share experiences in developing education and training and to identify potential gaps and/or issues.

The Agency held a virtual Technical Meeting on the Establishment of a Web-based Information Exchange Platform for Occupational Radiation Protection in Industries involving Naturally Occurring Radioactive Material in November 2021.

The Agency published an educational handbook on safety culture in medical uses of radiation, entitled Radiation Safety Culture Trait Talks, in March 2021, which is structured around ten principles, or traits, that contribute to a strong safety culture.

The Agency published an electronic handbook on radiation safety culture in health care settings in February 2021.

Regulatory Infrastructure

The Agency surveyed 124 regulatory bodies for radiation safety to identify the impacts of the COVID-19 pandemic on the safety of facilities using radiation sources and their regulatory oversight. Early analysis suggests that many regulatory functions have been diminished and some companies may have to close as a result of the economic impact of the pandemic, and there could be an increased risk of radioactive sources becoming orphaned. This information, and other information relevant to the COVID-19 pandemic,

was provided to the 65th regular session of the General Conference within document GC(65)/INF/9.

The Agency published *Application of a Graded Approach in Regulating the Safety of Radiation Sources* (IAEA-TECDOC-1974) in July 2021 and *Application of a Graded Approach in Regulating Nuclear Installations* (IAEA-TECDOC-1980) in November 2021.

The Agency launched on-line tools for the control of radioactive material inadvertently incorporated into scrap metal in May 2021 to facilitate the exchange of information between Member States and encourage the participation of scrap metal industries. Furthermore, in June 2021, the Agency launched an e-learning training course entitled 'Control of Radioactive Material Inadvertently Incorporated into Scrap Metal'.

Transport Safety

The Agency launched Version 2.0 of Modules 0–4 of the transport safety e-learning platform to reflect *Regulations for the Safe Transport of Radioactive Material* (IAEA Safety Standards Series No. SSR-6 (Rev. 1)), in Spanish in June 2021. In addition, the Agency launched Version 2.0 of Modules 0–4 of the transport safety e-learning platform to reflect IAEA Safety Standards Series No. SSR-6 (Rev. 1), in Chinese in October 2021.

The Agency held a virtual Technical Meeting on Denials of Shipment — Issues and Solutions in March 2021 to provide a forum to discuss the options for addressing denials of, and delays in, the shipment of radioactive material.

Systems and Services for Dosimetry Laboratories

The Agency launched a Dose Management System for dose information management in dosimetry services laboratories in Member States in March 2021.