

International Conference on the Safe and Secure Transport of Nuclear and Radioactive Materials

Monday 13 December 2021 - Friday 17 December 2021

Scientific Programme

The objective of the conference is to provide an opportunity for Member States to further develop their understanding of the issues relating to transport safety, transport security and the interface between, to inform their work to develop or strengthen their transport safety and security regulatory infrastructures.

National and regional needs from the regulator and operator viewpoints will feature in the conference. There will be also the opportunity to discuss and recommend improvements to the IAEA programs that are designed to support Member States' work to develop their transport safety and transport security infrastructures.

Consistent with the objectives set out above, the overall themes and associated topics for the conference will be related to the challenges faced by Member States when they are developing robust, effective and appropriate transport safety and transport security infrastructures, either separately or combined, namely:

Track 1. International framework for transport safety and transport security

Intergovernmental organisations involved in the international framework for the transport of nuclear and radioactive material will be invited to give an insight of their work

Track 2. National regulatory framework for the transport of nuclear and radioactive materials

Track 2.a

Development of National Regulations, including combined transport safety and transport security regulations

Track 2.b

Establishing competent authorities and effective regulatory oversight regimes

Track 2.c

Capacity building; with respect to transport safety and transport security regimes

Track 2.d

Proposing mechanisms for coordinating and enhancing the interface between safety and security in transport

Track 2.e

Sustainability of transport safety and transport security regimes

Track 2.f

Inspections

- Safety inspections
- Security inspections
- Joint safety and security inspections

Track 2.g

Safety and security exercises including exercises on emergency preparedness and response

Track 2.h

Tools and methods for evaluating effectiveness of transport safety and security regime/system

Track 2.i

Graded approach

Track 2.j

Transport of nuclear radioactive material: practices, challenges and regulatory issues

Track 2.k

Issuing Authorizations (safety and security)

Track 2.l

Identify opportunities, such as legal and technical assistance to assist Member States in the development, amendment or revision of a comprehensive framework on the implementation of a safety and security transport infrastructure

Track 3. Industry perspective of implementing transport safety and security regulatory requirements

Track 3.a

Sharing good and appropriate practices developed in Member States, to address the challenges during implementation

Track 3.b

Identifying challenges related to safety and security in transport, and their interface

Track 3.c

Challenges for international shipments and implementation of national regulations

Track 3.d

Harmonization of regulations

Track 3.e

Consequences of conflicting communications/requirements between transport safety and transport security regulators

Track 3.f

Implications of no safety and security interface

Track 4. Sustainability of safety and security regime

Track 4.a

Development of competencies of a competent authority to achieve the sustained delivery of effective regulatory oversight

Track 4.b

Possible scenarios and resources for cooperation in improving the transport safety and security interface at national and regional levels

Track 4.c

Establishing possible scenarios and resources for cooperation in improving the transport safety and security interface at national and regional levels

Track 4.d

Promotion of safety and security cultures

Track 4.e

Capacity building

Track 4.f

Improving the effectiveness of Member State capacity building programs for transport safety and security infrastructures

Track 4.g

Developing and strengthen regional networks

Track 4.h

Raising awareness of the need for transparency and security of information

Track 5. Emerging technologies

Track 5.a

Increasing capability to use technology in transport operations now and in the future

Track 5.b

The use of technology within the regulatory framework

Track 5.c

Cyber security (safety and security interface)

Track 5.d

Reduced physical intervention, benefits and gaps

Track 6. International cooperation and regional approach

Track 6.a

Elaboration and development of existing networks in each region

Track 6.b

Development of new regional safety and security networks

Track 6.c

Regional working groups to discuss:

- 1. Border Crossing: Issues and Proposed Solutions*
- 2. Cooperation/Collaboration: National and International Networks*

Track 6.d

Information exchange; good practices and mutual assistance