Transport Security Management

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WHO THIS MODULE IS FOR

The audience for this module consists of individuals employed by organisations with responsibilities for the safe, secure shipment of nuclear or other radioactive material. Examples include those who prepare nuclear material for transport (producers, suppliers, distributors, consignors), those who transport nuclear material (carriers), those who take delivery of a shipment (receivers, consignees), and those who provide operational support (escort and guard force personnel).

KEY ISSUES

Organisations face several key issues when they are planning and implementing the transport of nuclear and other radioactive material. For example, transport may entail multiple modes (roads, rail, inland waterways, sea), take place across national boundaries, and require adherence to a variety of laws and regulations. Nuclear transports may also involve numerous stakeholders, many of whom change as the transport proceeds. Consequently, ensuring effective transportation security requires careful planning, communication and coordination.

KEY LEARNING OBJECTIVES

By the end of the course, participants will understand the international framework for transport security, the types of materials that may be transported, and the risks these materials pose during transport that require specific security actions. Participants will also understand how to plan, develop and implement a sound security system using a graded approach based on risk and how to ensure that e response capabilities are adequate over the transport route to be followed.

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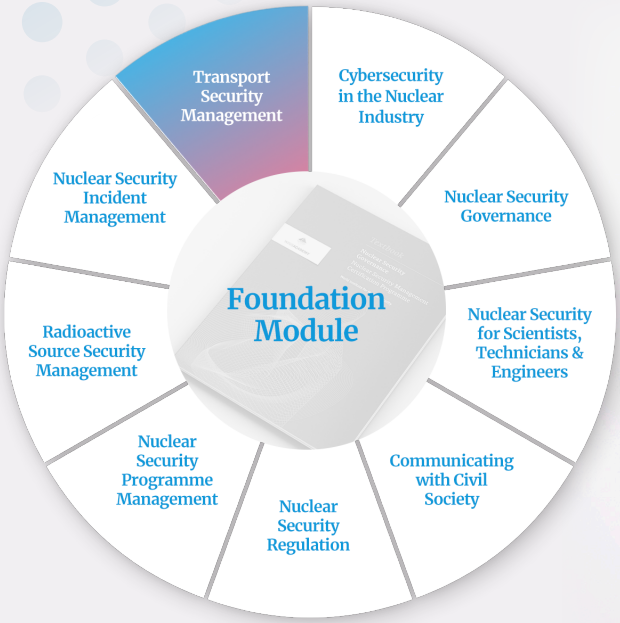

OUTLINE

UNIT 1: THE EVOLUTION OF NUCLEAR TRANSPORT SECURITY

1.1 Modern Transport Security

1.2 Threats and Potential Consequences

1.3 The Challenges of Shipping Nuclear Materials

UNIT 2: THE FRAMEWORK FOR TRANSPORT SECURITY

2.1 The Role of International Organisations

2.2 State Roles and Responsibilities

UNIT 3: PREPARING FOR TRANSPORT

3.1 Principles of Transport Security

3.2 Categorising Nuclear Material for Transport

3.3 Categorising Radioactive Material for Transport

3.4 Designing a Transport Security Plan

UNIT 4: KEY OPERATIONAL CONSIDERATIONS

4.1 Command, Control and Communications

4.2 Managing Transport Personnel and Resources

UNIT 5: TRANSPORT OPERATIONS AND INCIDENT RESPONSE

5.1 Monitoring and Tracking Shipments

5.2 Transport Incident Management

5.3 Significant Incident Response

5.4 Post-Shipment Performance Evaluation

UNIT 6: TRANSPORT SCENARIO DEVELOPMENT

COURSE SUMMARY