

CLP4NET Course Description Form

Detailed Description

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Course Full Name	Transport Security
Purpose of the course	This course is based on IAEA guidance documents and provides an introduction to the basic principles of transport security. This course will look at how to ensure nuclear and radioactive material is transported safely and securely.
Target audience	Participants of face-to-face training and other human resource development activities implemented by the IAEA and its Member-States. Interested nuclear facility personnel and the public.
Syllabus	<ol style="list-style-type: none"> 1. Objectives of transport security 2. Introduction to safety regulations 3. Fundamentals of transport security regimes 4. Transport Security Plan 5. International instruments and guidance for nuclear material 6. Categorization of nuclear material 7. Transport security system design for nuclear material 8. International instruments and guidance for radioactive material 9. Categorization of radioactive material 10. Transport security system design for radioactive material
Learning Outcomes	<p>After completing this course, the learner should be able to explain</p> <ol style="list-style-type: none"> 1.1 Identify common reasons for transporting nuclear and other radioactive material 1.2 Describe the threats associated with the transport of nuclear and other radioactive material and their potential consequences 1.3 List the four functions in designing transport security systems 2.1 Name the international instruments and guidance that contain the regulations for safe transport of radioactive material 2.2 Identify the different grades of packaging and the requirements for each grade 2.3 Explain the interface between safety and security 3.1 Explain the three basic elements of a transport security regime 3.2 Describe the essential elements of a State's nuclear security regime 4.1 State the purpose of a Transport Security Plan (TSP) 4.2 Identify specific information that should be included in a Transport Security Plan 4.3 Review the structure of an example Transport Security Plan
Learning Outcomes	<ol style="list-style-type: none"> 5.1 Name the key international instruments and guidance relating to nuclear transport security 5.2 State how transport security requirements are imposed on States 6.1 Describe how nuclear material is categorized 6.2 Identify the international instruments and guidance that define nuclear material categorization 7.1 State when a TSP is required for nuclear material 7.2 Identify when a transport control centre is required 8.1 Identify the key international instruments and guidelines relating to the transport security of radioactive material 8.2 Summarize the key principles contained in NSS9 (Rev. 1) and NSS14 9.1 Describe how radioactive material is categorized 9.2 Identify factors that adjust security levels 10.1 List the steps used to determine security levels 10.2 Describe measures applicable to different security levels
Knowledge Domain	
Keywords	Transport Security
Pre-requisites	none

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Language	Arabic, Chinese, English, French, Russian, Spanish
Interactivity	Self-study
Format	Online e-learning
Duration	2 h 30 min
Assessment	Not assessed
Certification	Certificate of Completion
Version Number	v1.00
Version Date	
Unique Technical Requirements	N/A
Author(s)/Owner(s)	
Intellectual Property Owner	IAEA
Copyright & other restrictions	IAEA copyright
Contact Point	nsnselearning@iaea.org
IAEA Web Taxonomy Tag IDs	3303; 3077; 3740; 3105; 3792; 3791; 3737; 2968; 2970; 3232
IAEA Web Taxonomy Tag Names	Department of Nuclear Safety and Security; Nuclear Safety and Security; Online learning; Radiation basics; Radiation protection; Radiation sources; Radiological crime scene management; Security; Security of nuclear and other radioactive material; Transport security