

CLP4NET Course Description Form

Detailed Description	
Course Full Name	Nuclear security threats and risks: material and facilities
Purpose of the course	This e-learning module is designed to give learners a basic overview of nuclear security threats and risks for material and facilities, including topics such as threat assessment and planning; roles and responsibilities; coordinating assessment activities; and threat-based approaches to designing security.
Target audience	All organizations and personnel with nuclear security prevention, detection, and response responsibilities. This includes: customs, border security, law enforcement agencies, intelligence agencies, security services, technical support organizations, response organizations, regulators, and operators.
Syllabus	<ol style="list-style-type: none"> 1. Nuclear security threats 2. Threat assessment and planning 3. Roles and responsibilities 4. Coordinating assessment activities 5. Threat-based approaches to designing security
Learning Outcomes	<p>Upon completion of this course, learners will be able to:</p> <ol style="list-style-type: none"> 1.1 Discuss threats to material and facilities 1.2 Distinguish between insiders and external adversaries 1.3 List different motivations, intentions, and capabilities of the threat 2.1 Define Threat Assessment 2.2 Describe the relationship between a Threat Assessment and a threat statement, in particular a Design Basis Threat (DBT) 2.3 Describe a Design Basis Threat (DBT) 3.1 List the potential role players in threat assessment and DBT and outline and define the responsibilities associated with specific authorities and organizations 4.1 Recognize the importance of coordination between the role players 4.2 Describe potential coordination mechanisms between role players 5.1 Distinguish between prescriptive and performance-based approaches for designing the Physical Protection System (PPS) 5.2 Describe how the threat statement and DBT are used in application of prescriptive and performance-based approaches 5.3 Recognize the relationship between adversary scenarios and PPS design
Knowledge Domain	
Keywords	Nuclear Security, Material and Facilities, Physical Protection System, Threat Statement, Design Basis Threat, Insider and Outsider Threat
Pre-requisites (if any)	Overview of nuclear security threats and risks
Language	English
Interactivity	Self-study
Format	Online e-learning
Duration	3 h
Assessment	Assessed
Certification	Certificate of Completion
Version Number	v1.00
Version Date	June 2017
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	3077; 3079; 3105; 3232; 3303; 3740; 3744; 3764

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IAEA Web Taxonomy Tag Names	Computer and Information Security; Department of Nuclear Safety and Security; Nuclear Safety and Security; Online learning; Safety and security culture; Security; Security aspects of nuclear facilities; Security of nuclear and other radioactive material
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