

## CLP4NET Course Description Form

Detailed Description	
<b>Course Full Name</b>	<b>Nuclear security threats and risks: material and facilities</b>
<b>Purpose of the course</b>	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.
<b>Target audience</b>	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.
<b>Syllabus</b>	<ol style="list-style-type: none"> <li>1. Nuclear security threats</li> <li>2. Threat assessment and planning</li> <li>3. Roles and responsibilities</li> <li>4. Coordinating assessment activities</li> <li>5. Threat-based approaches to designing security</li> </ol>
<b>Learning Outcomes</b>	<p>Upon completion of this course, learners will be able to:</p> <ol style="list-style-type: none"> <li>1.1 Discuss threats to material and facilities</li> <li>1.2 Distinguish between insiders and external adversaries</li> <li>1.3 List different motivations, intentions, and capabilities of the threat</li> <li>2.1 Define Threat Assessment</li> <li>2.2 Describe the relationship between a Threat Assessment and a threat statement, in particular a Design Basis Threat (DBT)</li> <li>2.3 Describe a Design Basis Threat (DBT)</li> <li>3.1 List the potential role players in threat assessment and DBT</li> <li>3.2 Outline and define the responsibilities associated with specific authorities and organizations</li> <li>4.1 Recognize the importance of coordination between the role players</li> <li>4.2 Describe potential coordination mechanisms between role players</li> <li>5.1 Distinguish between prescriptive and performance-based approaches for designing the Physical Protection System (PPS)</li> <li>5.2 Describe how the threat statements such as DBT and Representative Threat Statement (RTS) are used in application of prescriptive and performance-based approaches</li> <li>5.3 Recognize the relationship between adversary scenarios and PPS design</li> </ol>
<b>Knowledge Domain</b>	
<b>Keywords</b>	Nuclear Security, Material and Facilities, Physical Protection System, Threat Statement, Design Basis Threat, Insider and Outsider Threat
<b>Pre-requisites (if any)</b>	Overview of nuclear security threats and risks
<b>Language</b>	Arabic, English, Chinese, French, Russian, Spanish
<b>Interactivity</b>	Self-study
<b>Format</b>	Online e-learning
<b>Duration</b>	3 h
<b>Assessment</b>	Assessed
<b>Certification</b>	Certificate of Completion
<b>Version Number</b>	v2.00
<b>Version Date</b>	Aug 2022
<b>Unique Technical Requirements</b>	N/A
<b>Author(s)/Owner(s)</b>	
<b>Intellectual Property Owner</b>	IAEA
<b>Copyright &amp; other restrictions</b>	IAEA copyright
<b>Contact Point</b>	<a href="mailto:nsnselearning@iaea.org">nsnselearning@iaea.org</a>
<b>IAEA Web Taxonomy Tag IDs</b>	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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