

## CLP4NET Course Description Form

Detailed Description	
<b>Course Full Name</b>	<b>Overview of nuclear security threats and risks</b>
<b>Purpose of the course</b>	This e-learning module is designed to provide a basic introduction to nuclear security threats and risks through exploring the following: nuclear security events; threat / adversaries ; potential targets and consequences; nuclear security risk; understanding risk assessment and threat mitigation.
<b>Target audience</b>	The audience for this course is intended to include all personnel and organizations with nuclear security responsibilities and functions. This includes, but is not limited to: national security authorities, regulatory bodies, national nuclear security coordinators, law enforcement, customs, intelligence and security agencies, operators, technical support organizations, educational and training organizations, and nuclear security support centres.
<b>Syllabus</b>	<ol style="list-style-type: none"> <li>1. Nuclear security events</li> <li>2. The threat / adversary</li> <li>3. Potential targets and consequences</li> <li>4. Nuclear security risk</li> <li>5. Understanding risk assessment and threat mitigation</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 Define what is meant by a nuclear security event</li> <li>2.2 Define what is meant by an adversary</li> <li>2.3 Describe the factors used to characterize adversaries (motivation, intention and capability)</li> <li>2.4 Describe potential sources of information on the adversaries</li> <li>3.1 List potential targets to be exploited by an adversary</li> <li>3.2 Identify the four types of potential consequences associated with a nuclear security event</li> <li>4.3 Define nuclear security risk and its components</li> <li>5.1 Describe the need and role of risk in making decisions related to nuclear security</li> <li>5.2 Describe a graded approach</li> <li>5.3 Describe defence in depth</li> <li>5.4 Describe the importance of a balanced approach to security</li> </ol>
<b>Knowledge Domain</b>	
<b>Keywords</b>	Nuclear Security, Nuclear Security Event, Adversary, Targets, Consequences, Nuclear Security Threat, Nuclear Security Risk, Nuclear Security Risk Assessment, Graded Approach, Balanced Approach, Defence in Depth
<b>Pre-requisites (if any)</b>	none
<b>Language</b>	Arabic, Chinese, English, 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>	v1.00
<b>Version Date</b>	June 2017
<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
<b>IAEA Web Taxonomy Tag Names</b>	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