

CLP4NET Course Description Form

Detailed Description	
Course Full Name	Nuclear security threats and risks: cyber threats
Purpose of the course	This e-learning module is designed to develop learner's understanding of a cyber threat in nuclear security, including the characteristics of a cyber threat, potential targets and consequences, and the anatomy of a cyber-attack.
Target audience	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.
Syllabus	<ol style="list-style-type: none"> 1. The cyber threat 2. Cyber threat characteristics 3. Potential targets and potential consequences in nuclear security 4. Anatomy of a cyber attack
Learning Outcomes	<p>Upon completion of this course, learners will be able to:</p> <ol style="list-style-type: none"> 1.1 Describe the cyber threat in nuclear security 2.1 Describe the specific cyber threat attributes 3.1 Identify potential targets and vectors of a cyber-attack in nuclear security 4.1 List the basic phases in a cyber-attack in the proper sequence 4.2 Recognize the basic phases in a cyber-attack 4.3 Describe a blended attack scenario
Pre-requisites (if any)	Overview of nuclear security threats and risks
Knowledge Domain	
Keywords	Nuclear Security, Computer Security, Cyber Security, Cyber Risk Analysis, Risk Management, Cyber-Attack
Language	English
Interactivity	Self-study
Format	Online e-learning
Duration	2 h 30 min
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; 3105; 3232; 3303; 3740; 3744; 3764
IAEA Web Taxonomy Tag Names	Computer and Information Security; Department of Nuclear Safety and Security; Nuclear Safety and Security; Online learning; Security; Security aspects of nuclear facilities; Security of nuclear and other radioactive material