Detailed Description	
Course Full Name	**Conducting Computer Security Assurance Activities**
Purpose of the course	This e-learning module is designed to provide an introduction to computer security assurance activities, including planning and preparing for a computer security assessment and conducting computer security assurance activities. Topics include the definition of assurance, how assurance activities are part of a continuous improvement process and support a State's nuclear security regime. The student will learn the functional and security domains the types of assessments, and the assessment process, which includes information collection, analysis and reporting.
Target audience	The audience for this course is personnel and organizations with responsibility for planning and conducting computer security assurance activities, such as assessments and audits, in support of a State's nuclear security regime.
Syllabus	1. Introduction to conducting computer security assurance activities 2. Computer security assessment planning 3. Conducting computer security assurance activities
Learning Outcomes	After completing this course, the learner should be able to: 1.1 Describe the concept of and need for conducting computer security assurance activities as part of a nuclear security regime 1.2 Recognize the difference between compliance-based and performance-based assurance activities 1.3 Identify common types of computer security assurance activities 1.4 Explain the concept of computer security metrics and their use 2.1 Describe both the functional and security domains 2.2 Describe the three phased process for conducting an assessment 2.3 Understand each of the 5 key steps involved in assessment preparation 2.4 Recognize the common basis documents used in computer security assessments 3.1 Recognize the three types of computer security control measures: administrative, physical and technical 3.2 Describe the information collection options during the information collection phase: document reviews, interviews, observations, and technical testing 3.3 Describe the three steps in the analysis and reporting phase: analysis of the information gathered, report preparation, and the exit briefing
Knowledge Domain	
Keywords	Nuclear Security, Nuclear Security Series, Computer Security, Assurance Activities, Metrics, Functional Domains, Security Domains, Control Measures, Administrative Controls, Physical Controls, Technical Controls, Information Collection, Audit
Pre-requisites	none
Language	Arabic, Chinese, English, French, Russian, Spanish
Interactivity	Self-study
Format	Online e-learning
Duration	2 h
Assessment	Assessed
Certification	Certificate of Completion
Version Number	v1.00
Version Date	June 2019
Unique Technical Requirements	N/A
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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