

Detailed Description	
Course Full Name	Introduction to Radioactive Sources and Their Applications
Purpose of the course	This course is designed to help learners understand the common practices when using radioactive sources; understand tools for obtaining information on radioactive sources and devices; and understand key terms of this course.
Target audience	The audience for this course is intended to include regulatory bodies, governmental departments or other competent authorities such as customs and border officers with responsibilities related to the security of radioactive material; manufacturers, producers, or importers of radioactive material and/or radioactive sources; and medical, agricultural, research, or industrial organizations that use radioactive material and/or radioactive sources.
Syllabus	<ol style="list-style-type: none"> 1. Key Terms in Identifying Radioactive Sources 2. The Lifecycle Overview 3. Categorization of Radioactive Sources in Common Devices 4. Common Applications of Radioactive Sources 5. IAEA International Catalogue of Sealed Radioactive Sources and Devices (ICSRS) Database Overview
Learning Outcomes	<ol style="list-style-type: none"> 1.1 Define management of radioactive sources 1.2 Distinguish between radioactive sources and radioactive material 2.1 Describe the lifecycle of radioactive sources 3.1 Identify devices which use radioactive sources 4.1 Discuss applications of radioactive sources and devices 4.2 Match radioactive sources to the device in which they are commonly used 5.1 Discuss resources for obtaining information on radioactive sources and devices
Knowledge Domain	
Keywords	Nuclear Security, Radioactive Sources, Management, Lifecycle, Applications
Pre-requisites (if any)	none
Language	Arabic, English, Spanish, French, Russian, Chinese
Interactivity	Self-study
Format	Online e-learning
Duration	2 h 30 min
Assessment	Assessed
Certification	Certificate of Completion
Version Number	v1.00
Version Date	Dec 2016
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	2916; 3077; 3105; 3232; 3303; 3737; 3740
IAEA Web Taxonomy Tag Names	Department of Nuclear Safety and Security; Nuclear Safety and Security; Nuclear technology and applications; Online learning; Radiation sources; Security; Security of nuclear and other radioactive material