

PER-243

PERSONAL RADIATION DETECTOR COURSE

COURSE DESCRIPTION

This instructor-led, exercise-based course is designed to train the Preventive Radiological/Nuclear Detection (PRND) mission using a personal radiation detector (PRD) to perform a preliminary radiological assessment. Responders operate PRDs to detect radiation, verify the radiation alarm, localize the source of radiation, measure the radiation level, and assess the threat status of the situation. Participants employ PRDs to help adjudicate potential threats regarding situations with people, vehicles, packages, and facilities. Additional information regarding PRND operations in maritime environments is available and included as needed.

Sealed radioactive sources are used during drills and practical exercises. These sources are intended to simulate types of radioactive material that may be encountered in the public domain. Course content includes a primary screener's role in the Global Nuclear Detection Architecture and the National Preparedness Core Capabilities.

COURSE OBJECTIVES

- Identify the properties of radiation and radiological/nuclear material.
- Recognize the difference between exposure and contamination.
- Practice the concepts of time, distance, and shielding.
- Operate and employ the PRD under simulated field conditions in accordance with the manufacturer operations guide, recommended standard operating procedures, and the PRD Participant Guide.
- Discuss legal considerations when employing a radiation detection device for radiological/nuclear detection missions.

TARGET AUDIENCE/ DISCIPLINE

Animal Emergency Services, Agricultural Safety, Citizen/Community Volunteer, Emergency Medical Services, Fire Service, Healthcare, Hazardous Materials, Law Enforcement, Public Health,

Private Sector/Corporate Security and Safety Professionals, Public Works, Search and Rescue, Transportation Security

ELIGIBILITY

It is the responsibility of the jurisdiction to select course participants.

LOCATION

Participant site

CERTIFICATE

A certificate will be issued upon successful completion of the course, granting 0.70 continuing education units (CEUs) through the University of Nevada, Las Vegas (UNLV). A letter verifying CEUs can be provided upon request by contacting CTOS at ctosnsa@nv.doe.gov.

RADIOACTIVE SOURCES

This course uses actual radioactive materials. It is designed and monitored so participants receive only minor radiation doses (lower than a chest X-ray or typical round-

MIN/MAX ENROLLMENT:
27-50

HOURS: 7 HOURS

CEUs: 0.70

FORMAT: MOBILE

DHS COURSE #: PER-243

PREREQUISITES: N/A

RECOMMENDED PREREQUISITES:

Applicants should be law enforcement and public safety officers who have been issued a PRD and whose duties place them in locations where illicit radiological/nuclear material may be hidden, transported, assembled, and/or employed by terrorist elements.



Performing a primary level screening on a transport trailer