

PER-245

SECONDARY SCREENER/RADIATION ISOTOPE IDENTIFIER DEVICE COURSE

COURSE DESCRIPTION

This instructor-led, exercise-based course is designed to train the Preventive Radiological/Nuclear Detection (PRND) mission using a Radiation Isotope Identifier Device (RIID) to perform a secondary radiological assessment. Responders operate RIIDs to detect radiation, verify the alarm, localize the source of radiation, measure the radiation level, identify radioactive isotopes, and assess the threat status of detected material. Participants employ the RIID 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. Additionally, participants gain knowledge working with technical reachback assistance. Training is conducted using radioactive material and agency-specific RIIDs. Course content includes the secondary screener's role in the Global Nuclear Detection Architecture and the National Preparedness Core Capabilities.

COURSE OBJECTIVES

- Identify the core elements of secondary screener knowledge requirements and actions.
- Describe the RIID operation and, using the RIID and Field Operations Guide, perform the Alarm Response Guide steps to detect, verify, locate, measure, identify, and assess radiological sources, and transfer spectral data files to a personal computer.
- Employ the RIID to detect, verify, locate, measure, identify, and assess radiological materials on people.
- Employ the RIID to detect, verify, locate, measure, identify, and assess radiological materials in packages.
- Employ the RIID to detect, verify, locate, measure, identify, and assess radiological materials in vehicles and facilities.
- Describe the capabilities of the

regional, state, local, and U.S. Department of Homeland Security Joint Analysis Center (JAC) reachback resources.

- Use the RIID, the RIID data files, and an email-capable computer with RIID software and simulated radiation alarm scenario information, use the JAC to identify and help adjudicate an unknown simulated alarm.

TARGET AUDIENCE/ DISCIPLINE

Fire Service, Hazardous Materials, Law Enforcement, Search and Rescue, Transportation Security

ELIGIBILITY

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

MIN/MAX ENROLLMENT:
16-18

HOURS: 14 HOURS (2 DAYS)

CEUS: 1.4

FORMAT: MOBILE

DHS COURSE #: PER-245

PREREQUISITES:

- PER-243 Personal Radiation Detector Course



Radiation Isotope Identifier Device—CTOS/NNSA