



Secondary Screener Radiation Isotope Identifier Device (SS/RIID) Course PER-245

This operations-level preventive radiological and nuclear detection course is delivered throughout the nation to regions, jurisdictions, or agencies approved by the Federal Emergency Management Agency/National Preparedness Directorate and the U.S. Department of Homeland Security State Administrative Agencies.

Course Description:

This course is designed to train law enforcement officers and personnel from other disciplines designated to support law enforcement agencies to perform radiological/nuclear detection secondary screener duties through the employment of radiation isotope identifier devices (RIIDs). The course provides training, which includes extensive hands-on practice utilizing actual radioactive material, to enable personnel assigned as secondary screeners to respond effectively to a request for assistance from a primary screener.¹ As a result of this training, secondary screeners will be able to assist primary screeners by employing the RIID to perform the following detection mission tasks:

- ◇ Assist the primary screener in verifying the alarm and pinpointing/measuring the source of radiation that caused the alarm.
- ◇ Identify the name(s) and category of the radioactive material(s) and the confidence level of the identification result.
- ◇ Based on the RIID measurements and identification results, shipping documentation, interview results, assessment procedures, and recognition factors, assess and adjudicate the radiation alarm (on a person, package, vehicle, or facility) as innocent, illicit, or requiring further investigation.
- ◇ If the alarm requires further investigation, utilize technical reachback assistance, via telephone and email, to adjudicate the alarm.



Identifying hidden radioactive material in a vehicle

The SS/RIID is a pre-event detection course aimed at training personnel to perform secondary screener duties at points of illegal manufacture, transportation, deployment, and emplacement. This course does not train personnel in response activities for the activation/detonation of a weapon of mass destruction (WMD) or hazardous materials release.

Equipment:

Each team (two participants) will be issued a RIID for use in the course. Each delivery of the SS/RIID course will use one specific make and model of RIID, which will be the same as (or similar to) the instruments owned and issued by the agency being taught. The host agency may choose to provide the RIID instruments to be used in the course. See contact information for the current course availability on specific models of RIIDs.



Examples of some RIID instruments to be taught in this course

¹This is a "live agent" course using radioactive materials, including combinations of innocent bulk cargo, simulated nuclear medical patients, industrial devices, and nuclear materials. This course is designed and monitored so participants receive only minor radiation doses (lower than a chest X-ray or a typical round-trip airline flight across the U.S.). This course complies with ANSI N42.37-2006 "American National Standard for Training Requirements for Homeland Security Purposes Using Radiation Detector Instrumentation for Interdiction and Prevention."

Cost, Course Length, and Delivery:

All training and course materials are provided at no cost to eligible participants. This course is 14 contact hours in 2 training days. All training is provided at the participants' location by a Mobile Training Team. Class size is 16 participants.



Using a RIID to determine if material is illicit

Target Audience:

Detection mission/operation primary screener trained participants from the following disciplines who will perform or conduct secondary screening duties:

- Law enforcement
- All disciplines supporting law enforcement radiological/nuclear detection operations

Certificate:

A certificate will be issued upon successful completion of the course, acknowledging 1.4 continuing education units (CEUs) sponsored by the University of Nevada, Las Vegas. Upon request, CTOS can provide a letter verifying course completion and eligibility for CEUs.

Enrollment Information:

In order to attend a scheduled training class, contact CTOS for further information.

Course Scheduling:

Coordination between CTOS and the hosting jurisdiction is required at least 8 weeks prior to course delivery.

Eligibility:

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

Prerequisite:

- Participants should be law enforcement officers, or those disciplines that support law enforcement agencies, that are assigned secondary screener duties in support of radiological/nuclear detection missions/operations.
- It is recommended that participants be experienced primary screeners and have attended a radiological/nuclear weapons of mass destruction awareness level training course (such as AWR-140 or AWR-140-W WMD Radiological/Nuclear Awareness Course) and PER-243 Personal Radiation Detector Course.

For More Information, Contact CTOS at:
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