



Personal Radiation Detector (PRD) Train-the-Trainer (TTT) Course PER-243-1

This operations-level preventative radiological and nuclear detection (PRND) course is delivered at the Nevada Test Site to jurisdictions approved by Federal Emergency Management Agency/National Preparedness Directorate (FEMA/NPD) and the U.S. Department of Homeland Security State Administrative Agencies (SAAs).

Course Description:

This course is designed to train law enforcement and emergency responders to instruct the Personal Radiation Detector (PRD) PER-243 Course. PER-243-1 provides Train-the-Trainer level instruction on the employment of issued PRDs and includes instruction on local instruments, procedures, and legal considerations. The course provides training, teach-back experience, and extensive hands-on practice with real radioactive sources so that personnel instructing the employment of PRDs in detection and interdiction missions will be able to instruct PRD users on:¹

- ◇ Detecting and locating the presence of radiation and/or radiological material.
- ◇ After receiving an alarm, how to identify and distinguish between the following:
 - False alarms
 - Alarms due to background radiation
 - Alarms due to legitimate causes
 - Alarms due to illicit radiological/nuclear material
- ◇ Upon detecting, locating, and assessing the alarm, how to instruct on measuring the approximate radiation level that generated the alarm.
- ◇ Using radiological/nuclear material recognition factors to assist in assessing the situation.
- ◇ Upon discovering the illicit use of radiological/nuclear material, initiating organizational protocols to ensure the health and safety of responders and the public.



Officer detects radiation near a person (mannequin)

Equipment:

Each attendee will be issued a PRD instrument for use in the course. Each delivery of the PRD TTT course will use one specific make and model of PRD, which will be the same as (or as close as practical to) the instruments owned and issued by the agency being taught.

See Contact Information for the current course availability on specific models of PRDs.



Examples of some PRD models taught in this course

¹This 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."

Course Length:

This course is conducted in conjunction with the prerequisite PER-243 Personal Radiation Detector (PRD) Course. The PRD Course is conducted in one day (7 hours), followed by three days (24 hours) of PER-243-1 PRD TTT Course.

Cost and Delivery:

All training, travel, lodging, meals, and course materials are provided at no cost to eligible participants. The course is delivered at the Counter Terrorism Operations Support (CTOS) training facilities located on the U.S. Department of Energy, National Nuclear Security Administration Nevada National Security Site.

Target Audience:

- ◇ Law Enforcement
- ◇ Emergency Medical Services
- ◇ Fire Service
- ◇ Hazardous Materials (HazMat)
- ◇ Public Works

Enrollment Information:

In order to attend a training class delivered by one of the FEMA/NPD Training Partners, a request must be provided to the designated U.S. Department of Homeland Security SAA Training point of contact. For the training coordinator in your area, contact the FEMA/NPD Help Line at 800-368-6498.

Certificate:

A certificate will be issued upon successful completion of the course, acknowledging 2.4 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.

Eligibility:

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

Course Scheduling:

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

Prerequisite:

Attendees should be law enforcement and emergency responders who are qualified instructors and have successfully completed PER-243 within the last year or attend the PER-243 course delivered as a prerequisite to the three-day PRD TTT course. Attendees must provide written documentation of instructor certification within their respective jurisdiction. Attendees must be part of a regional or statewide program that has developed a comprehensive plan for future delivery of PRD training in their region or state. Such plans require the jurisdiction to show acquisition of training equipment and radioactive source material for replicating PRD training locally. States and Urban Areas Security Initiative regions that have completed their plan and received the required training material will be given priority in scheduling to train additional instructors.

Performance Standard:

Using the job aid provided, attendees must pass a written test with a score of 70% or higher and successfully complete teach-back evaluations instructing one classroom and one practical PER-243 module.

For More Information, Contact CTOS at:
National Nuclear Security Administration/Nevada Site Office
Counter Terrorism Operations Support Program
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