



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

This operations-level preventative radiological and nuclear detection (PRND) course will be delivered at the Nevada Test Site to jurisdictions approved by Federal Emergency Management Agency/National Preparedness Directorate (FEMA/NPD) and the Centralized Scheduling and Information Desk

### Course Description:

This course is designed to train law enforcement and public safety officers to instruct the Personal Radiation Detector (PRD) PER 243 Course. PER-243-1 provides Train the Trainer level instruction on the employment of issued personal radiation detectors 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:

- ◇ Detection 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, attendees will be taught how to instruct on measuring the approximate radiation level that generated the alarm.
- ◇ Use radiological/nuclear material recognition factors to assist in assessing the situation.
- ◇ Upon discovering the illicit use of radiological/nuclear material, initiate organizational protocols to ensure the health and safety of responders and the public.

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."

### 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.



*Officer detects radiation near a person (mannequin)*



*Examples of some PRD models taught in this course*

## Course Length:

This course is a four day program, one day (8 hours) of PER-243 and three days (24 hours) of PER-243-1.

## 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 CTOS training facilities located on the U.S. Department of Energy, National Nuclear Security Administration (DOE/NNSA) Nevada Test 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 State Administrative Agent (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.

## Performance Standard:

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

## Eligibility:

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

## Course Scheduling:

Coordination between Counter Terrorism Operations Support (CTOS) and the hosting jurisdiction is required at least eight (8) weeks prior to the course delivery.

## Prerequisite:

Attendees should be law enforcement and public safety officers who are qualified instructors and have successfully completed PER-243 within the last year. Attendees must also attend the PER-243 course delivered as the first day of the four-day PRD TTT training program. 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 UASI regions that have completed their plan and received the required training material will be given priority in scheduling to train additional instructors.

**For More Information, Contact the Registration Desk at:**  
National Nuclear Security Administration/Nevada Site Office  
Counter Terrorism Operations Support Program  
P.O. Box 98521, M/S NLV126, Las Vegas, NV 89193-8521  
702.295.3224 • 702.537.2639 Fax  
E-mail: [ctosreg@nv.doe.gov](mailto:ctosreg@nv.doe.gov)  
[www.nv.doe.gov/combatingterrorism](http://www.nv.doe.gov/combatingterrorism)

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