



Primary Screener Backpack Basic (PSBB) Course PER-246

This operations-level preventative radiological and nuclear detection (PRND) course will be delivered throughout the nation to jurisdictions or agencies approved by 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 and public safety officers to employ department procured and issued backpack radiation detection systems within the bounds of the jurisdiction/agency operational environment, including local instruments, procedures, and legal considerations. The course provides training and extensive hands-on practice with actual radioactive material so that personnel employing a backpack radiation detection system during detection and interdiction missions will be able to do the following:¹

- ◇ Detect, verify, and locate the presence of radiation and/or radiological material.
- ◇ After receiving an alarm, identify and distinguish between the following:
 - Non-Threat - Innocent Alarms (background, NORM, and medical patient alarms)
 - Non-Threat - Illegal Conveyance (radiological material transported or stored improperly)
 - Threat (illicit materials – RED, RDD, or IND)
 - Unknown (requires additional assistance)
- ◇ Upon detecting, verifying, and locating the source of the alarm, measure 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 the responders and the public.



Equipment:

Each attendee will be issued a backpack radiation detection system for use in the course. Each delivery of the backpack radiation detection system course will use one specific make and model of the backpack radiation detection system, 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 backpack systems to be used in the course. See contact information for the current course availability on specific models of backpack radiation detection systems.

¹This is a "live agent" course using radioactive materials. This course is designed and monitored so attendees 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 7 hours. All training is provided at the participant location by a Mobile Training Team.

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

Prerequisite:

Attendees should be law enforcement, public safety officers, and other personnel who are issued a backpack radiation detection system, and whose duties place them in locations where illicit radiological/nuclear material may be hidden, transported, assembled, and/or employed by terrorist elements. Attendees shall have completed Personal Radiation Detector Course (PER-243) or equivalent knowledge.

Certificate:

A certificate will be issued upon successful completion of the course, acknowledging 0.7 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 the course participants.

Course Scheduling:

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

Enrollment Information:

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



For More Information, Contact CTOS 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
877.WMD.CTOS (963.2867) • 702.295.3224
Fax 702.537.2639
E-mail: ctosmtreg@nv.doe.gov
www.ctosnnsa.org

DOE/NV--1355-REV1.1

August 2010

