



Advanced Radiation Detection Course

This technician-level course is delivered on a regional basis throughout the nation to jurisdictions approved by the U.S. Department of Homeland Security/Domestic Nuclear Detection Office (DHS/DNDO).

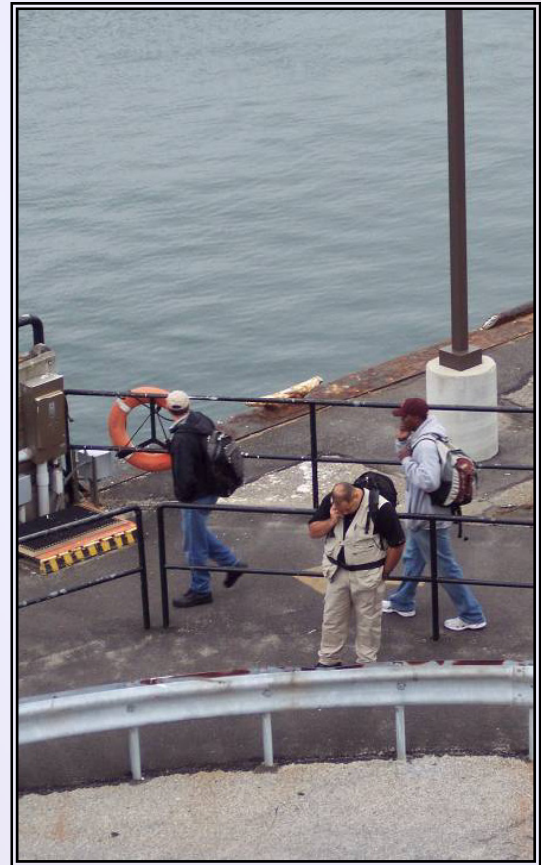
Course Description:

The Counter Terrorism Operations Support (CTOS) Program, National Security Technologies LLC, on behalf of the DHS/DNDO, conducts this ARD training course. The five-day course focuses on the Homeland Security radiological/nuclear Prevent mission and provides attendees with the skills needed to detect radioactive material and assess detection instrument alarms so they can determine whether the radioactive material is legitimate or illicit. Attendees are trained to conduct low-profile operations in small teams at public venues. The course will cover instrument operation and deployment, detection mission operations and activities, team organization, reporting/reachback protocols, and other federal assets available for assistance. The DHS/Target Capabilities List and the DNDO Detection Response Protocol document were used to develop the following tasks that are taught in this advanced course.

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."

Major mission/task areas include:

- ◇ Operate and employ the radiation detection equipment listed on following page.
- ◇ Inspect and monitor radiological/nuclear material at key interdiction points.
- ◇ Detect, verify, locate, measure, and identify illegal radiological/nuclear material at point of manufacture, transit, emplacement, or use.
- ◇ Employ team detection operations/activities and reporting processes to detect, identify, and, if necessary, adjudicate radiological/ nuclear sources.
- ◇ Detect and characterize an area, facility, or venue for emplacement of an illicit radiological/ nuclear device.
- ◇ Detect radiological/nuclear material on persons entering special events, boarding mass transit, or related activities.
- ◇ Detect radiological/nuclear material in vehicles at choke points, transportation corridors, or other potential terrorist targets.
- ◇ Employ technical reachback processes whereby appropriate assistance is provided to State and local communities.
- ◇ Interface with the DNDO Joint Analysis Center to adjudicate radiation/nuclear detection anomalies.



Officer conducting low profile detection for illicit material during an ARD exercise

Equipment:

The instruments used in this course will be provided by a Mobile Training Team (MTT) and will be available for attendee use during the course. With prior coordination, the attendees may use their jurisdictions' instruments. Attendees will learn to use backpack detectors, a vehicle-mounted mobile detection system, and an advanced spectroscopic system. They will be taught to use these advanced detection instruments in conjunction with personal radiation detectors (PRDs) and hand-held radiation isotope identifier devices (RIIDs), with which they have prerequisite skills.

Cost, Course Length, and Delivery:

All Training and course materials are provided at no cost to eligible participants. This course is 40 hours (five 8-hour days). All Training is provided at participant locations by an MTT.

Target Audience:

- ◇ Law Enforcement
- ◇ Hazardous Material (HAZMAT) personnel
- ◇ Health Physicists
- ◇ Other applicable Operations Management and support personnel

Course Scheduling:

Coordination between Counter Terrorism Operations Support (CTOS) and the hosting jurisdiction is required at least 12-16 weeks prior to the course delivery

Prerequisite:

Attendees should have completed training in the use of PRDs and RIIDs prior to enrollment in ARD. The Detection Equipment for Law Enforcement Course (PER-244) and/or Personal Radiation Detection Course (PER-243) are recommended but not required.

Eligibility:

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

Certificate:

A Certificate of Completion is issued upon successful completion of the course.



Detecting radioactive material on pedestrians (above) and vehicles disembarking from an interstate ferry (left).

Enrollment Information:

In order to attend this course, a request must be provided to the designated DHS State Administrative Agent (SAA) training point of contact. For the Training point of contact in your area, contact the FEMA/NPD Help Line at 800-368-6498.

NOTE: The ARD course is currently being piloted. Delivery of the National Preparedness Directorate (NPD)-certified course is scheduled to begin in 2008 and will be conducted regionally throughout the United States.

For More Information, Contact the Registration Desk at:
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Counter Terrorism Operations Support Program
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E-mail: ctosreg@nv.doe.gov
www.nv.doe.gov/combatingterrorism
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DNDO Training Team at email:
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