

Chemical, Biological, Radiological, Nuclear and Explosives Training: SRNL-104-PREV

Recognition and Interdiction of Chemical and Biological Select Agents

Exercise Description

This two-day course combines interactive classroom instruction along with field exercises conducted by subject matter experts. The classroom portions focus on fundamental knowledge of chemical and biological weapons and cover production processes, transport, and delivery of these weapons. The practical exercise portions use tabletop and field scenarios to improve the participants' situational chemical and biological weapons of mass destruction (WMD) awareness. The exercises utilize clues for rapid recognition and interdiction of chemical and biological WMDs in venues that include vessels, vehicles, mock laboratory facilities and hands-on examination of key dual-use equipment. The exercises are constantly updated due to technology advancements.

Tasks and Topics

The following tasks and topics can be addressed or tailored to the customer's needs with training objectives.

- > Key chemical and biological select agents
- > Detecting visually and sensory chemical and biological WMDs in a variety of venues
- > Key dual-use equipment associated with the production, transport and delivery of chemical and biological WMDs
- > Health and safety factors associated with these agents and equipment
- > Risks and strategies for personal protection while approaching, interdicting and handling chemical and biological agents and their perpetrators
- > Typical packaging and smuggling strategies for chemical and biological agents covered by U.S. and International law and trade agreements

Other tasks and topics may be addressed as requested based on the team's protocols and procedures, and may include Reachback communications.



Weaponized surrogate anthrax spores



Castor beans used in ricin toxin



Bacteria growth: in-class demonstration



Biological agent transport

Completion

An evaluation report/assessment will be provided for each team's performance against the objectives.

Target Audience/Discipline

Personnel tasked to screen, investigate or interdict chemical and biological Weapons of Destruction, such as U.S. military; federal, state, and local law enforcement; emergency services personnel (medical, HazMat); event security personnel; TSA; or other skilled personnel that may provide first detection, interdiction and response for weapons discovered in a variety of locations. This work may include target searches through shipment manifests or physical searches of items, personnel and cargo-in-transit.

Location

A selected facility at the Savannah River Site (SRS) and the Savannah River National Laboratory (SRNL) in Aiken, S.C.; Federal Law Enforcement Training Center (FLETC) in Charleston, S.C.

Compliance

Supports National Preparedness Goal Core Capabilities for Response/Health and Safety; Interdiction and Disruption; On-scene Security and Protection; Operational Coordination; Physical Protective Measures; and Screening, Search, and Detection focusing on the CBRNE capabilities as part of a Prevent and Response Mission

Enrollment Information

Duration: 1-2 days, dependent on selection of classroom instruction, team numbers, and objectives

Format: Presentations, hands-on demonstrations and evaluated exercises

Prerequisites: None

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