CSI eLEARNING™

RADIATION DETECTION TRAINING

CSI eLearning, a division of Crisis Simulations International, develops comprehensive, online training that combines the proprietary simulation technology and expertise of Crisis Simulations International with the 24/7 on-demand benefits of online learning.

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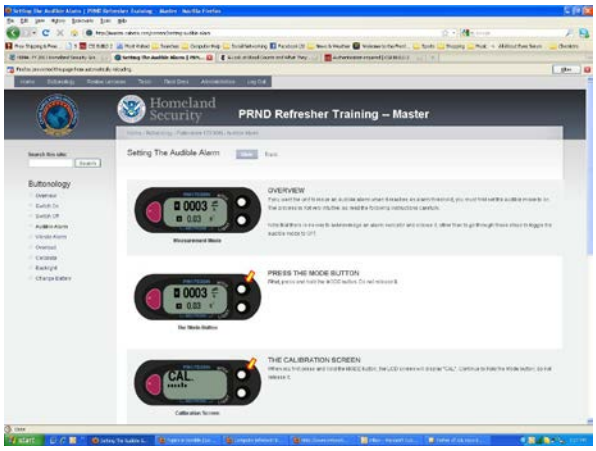
CSI eLearning's online radiation detection training, sponsored and endorsed by the Department of Homeland Security's Domestic Nuclear Detection Office, provides instruction for radiation detection devices used by state and local law enforcement. The devices are currently deployed by DHS to interdict the illegal transportation of radioactive material at the local level.

Online training is provided for a number of commonly-used PRDs and RIIDs, including:

- Thermo Fisher RadEye PRD-ER
- D-tect Systems mini rad-D
- Polimaster PM1703GN
- Thermo Fisher indentiFINDER
- Thermo Fisher PackEye backpack

The Domestic Nuclear Detection Office supports Crisis Simulation International's online radiation detection training as effective training for personal radiation detectors.

Homeland Security



Buttonology covers operations involved in using PRDs or RIIDs

The training program covers the use of handheld PRDs (personal radiation detectors), RIIDs (radio isotope identification devices) and detection backpacks, including:

- Basics in radiation and radiation detection -- including definitions, safety issues and adjudication issues -- delivered via video review lessons
- An overview of each device – what it does, how it operates and what it measures
- Button functions ("buttonology") – the operational use of the devices
- Scanning techniques – how to effectively scan people and objects to get reliable and meaningful results
- Simulated scenario-based field exercises and adjudication decision-making
- Tests that validate students' understanding of content, techniques, detection strategies and adjudication decisions

CRISIS SIMULATIONS INTERNATIONAL, LLC

csi eLearning

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FLEXIBILITY

CSI eLearning modules can be customized to meet local training requirements. This includes incorporating standard operating procedures, using local landmarks in the simulations, or adding precinct-specific or other local agency details.

Administrators can require students to sequentially access the material or repeat a module, task or technique until they reach proficiency before moving on to the next topic. Training can also be programmed to allow students to skip familiar content and focus on new or unfamiliar topics.

And, importantly, CSI eLearning's training extends flexibility to students and training departments. Using any browser, they can take training when and where they want, as many times as they want, eliminating scheduling issues, travel expenses and the costs associated with employing certified trainers.

AFTER THE TRAINING

The site monitors all choices and keystrokes a student makes, whether correct or incorrect, for further evaluation. Training administrators can access reports that include page views, time spent online, test results and more.

Training managers, department heads and the student himself can gain insights and uncover areas needing further review. The program can include additional tests, quizzes and self-evaluation forms to supplement the overall evaluation process. This provides managers with a better idea of how well each student understood the content.

Students test what they've learned via a virtual field exercise simulation

SCENARIOS

We use simulated field exercises for students to search virtual buildings, offices, vehicles, and public spaces with a virtual radiation detection device. The simulations require students to search for unusual radiation levels and their sources in a virtual, yet realistic, environment, making the student feel as if s/he is in the scenario.

Each scenario takes 10-25 minutes depending on the student's skill in locating the radiation source. Students make decisions based on device readings, the situation, and department protocols, leading to a final threat assessment and event adjudication. Current scenarios include:

- OFFICE BUILDING
- ABANDONED VEHICLE
- MARINA VIOLATION
- STADIUM/PUBLIC SPACE

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