



Management
Systems Registered to
ISO 9001

Emergency Operations Training Academy 2011 Course Catalog

This introductory web-based course addresses basic information on the current requirements for incident management. This framework forms the basis for interoperability and compatibility that will enable public and private organizations to conduct incident management operations.

OVERVIEW OF THE ACADEMY

The Emergency Operations Training Academy (EOTA) was founded in February of 2000 to provide support to the Department of Energy's (DOE) emergency operations community. The EOTA was subsequently realigned under the National Nuclear Security Administration (NNSA) that same year.

The Academy is managed by a Federal Director and supported by contractor specialists who maintain a cadre of subject-matter-experts from various disciplines to ensure our training is second-to-none.

Courses developed by the EOTA follow the Instructional System Design process, a rigorous methodology that builds a foundation for high training standards. The Academy strives to provide the best training possible by designing, developing, and implementing methods that meet the dynamic training needs of the emergency operations community.



THE EOTA WEBSITE

The EOTA website is a training portal that offers students many support tools. Students can register for courses, request delivery of recorded presentations and receive automated certificates of completion.

OUR MISSION

The Emergency Operations Training Academy provides state-of-the-art training and education for the Department of Energy/National Nuclear Security Administration, to enhance the readiness of personnel in the emergency operations community.

OUR GOAL

To enable the DOE/NNSA emergency operations community to succeed in the areas of emergency management including:

PREPAREDNESS

measures to ensure readiness for an event

RESPONSE

actions required to respond to an event

RECOVERY

actions necessary to recover from the effects of an event

MITIGATION

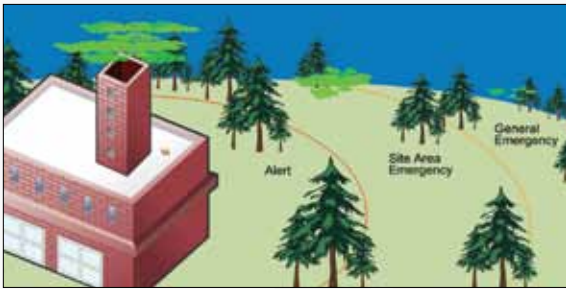
actions to lessen severity of an event

To accomplish this goal, our training encompasses elements from all four pillars of Emergency Management.



BLENDING TRAINING

Training objectives and customer needs are primary considerations for selecting the most appropriate delivery method. Typical implementation may utilize distance learning, conventional classroom courses taught in residence or on site, hands-on workshops, or extensive evaluation exercises. By blending the most effective methodologies, students may use their time more efficiently to successfully master the course material.



Games and animation help to make courses engaging.



DISTANCE LEARNING

The EOTA has developed a wide array of courses supporting the emergency operations community ranging from introductory to advanced topics. Many are available in CD, DVD, or online formats. These courses incorporate animation, simulation, and educational games to illustrate information and enhance comprehension of complex subjects. Online courses can be taken any time from anywhere in the world through the World Wide Web.

CLASSROOM

Classroom courses may be used for more advanced topics that require interaction between students and instructors. Classroom courses can increase efficiency by building upon what the student has already learned from the online courses. The instructors who teach our classroom courses are recognized experts in their field.

WORKSHOPS AND EXERCISES

Preparedness is the key to effective response in emergency situations. The EOTA provides practical hands-on application through a variety of real-world workshops and exercises. Students can enhance understanding and improve their performance through innovative situational scenarios conducted in structured and safe learning environments.



Hands-on training prepares students for real-world situations.

STRIVING FOR EXCELLENCE

The EOTA administers evaluations for all of its courses in order to better identify course validity, reliability, and value. A student feedback survey is completed for each course through the online learning management system and the data is regularly and systematically analyzed to assist in evaluating the course effectiveness.

A comprehensive course review is conducted every two years to assess course relevancy, accuracy of content, appropriateness of delivery method, and to ensure the training is continuing to meet the needs of the DOE/NNSA emergency operations community.

As a leader in the field of Emergency Management and Response Training, the Emergency Operations Training Academy's Business Management System is registered as being in full compliance with the ISO 9001:2008 International Quality Standard.



Management
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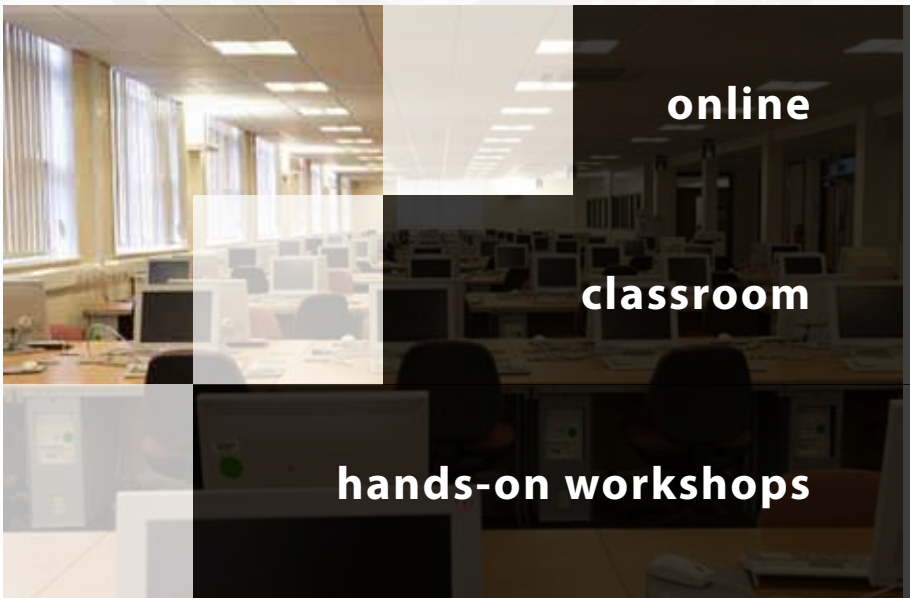
Emergency Operations Training Academy

2201 Buena Vista Drive, SE Suite 203
Albuquerque, New Mexico 87106

eota@eota.energy.gov

(505) 842-7110

<http://eota.doeal.gov>



The **Emergency Operations Training Academy** currently hosts a wide variety of courses plus several comprehensive training programs supporting the DOE/NNSA community.

We invite you to view our courses online at:

<http://eota.doeal.gov>

If you have any questions or comments please feel free to contact us:

eota@eota.energy.gov

Emergency Operations Training Academy's Course Formats

CD-ROM, DVD & Classroom Formats

May be accessed by logging onto our website <http://eota.doeal.gov> or creating a new user account. Click on the "Add New Course" button in the menu bar, scroll to locate desired course, click on the course title to register for the course, an e-mail will be sent to the OLSS and the materials will be mailed to you within one to two weeks. For classroom courses, registration will send a request to the course manager.

WBT Formats (Web Based Training)

May be accessed by logging onto our website <http://eota.doeal.gov> or creating a new user account. Click on the "Add New Course" button in the menu bar, scroll to locate desired course, click on the course title to register for the course, click either Add More or View Course buttons, and then click the "Start here" link to begin the training.

<u>Course #</u>	<u>Course Name</u>
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CIP100D	Introduction to Analytical Risk Management
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This course presents the fundamentals of Analytical Risk Management (ARM), a systematic approach to assessing risk and making decisions. ARM was developed to assist officials involved in identifying priorities for protecting the nation's infrastructure and ensuring the continuous supply of energy. Of particular concern are the critical points within the energy infrastructure that provide terrorists with opportunities to cause catastrophic events.

[Format: DVD](#)

CIP101DW	DOE/NNSA Asset Overview
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The DOE/NNSA Office of Emergency Operations has assembled a comprehensive suite of radiological emergency response assets to provide one of the nation's responses to a radiological accident or incident. This course provides a general overview of the primary mission of each DOE/NNSA asset, and describes basic roles, responsibilities, and capabilities of each asset.

[Format: WBT](#)

CIP110DW	Vehicle Bomb Search Methods
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This interactive course provides security personnel and others with the basics of access point and parked vehicle bomb search methods. There is also a historical perspective that explains various significant bombings in the United States and abroad. Several games are incorporated to enhance the learning experience and provide a review of the lessons. An interactive exercise provides practice of the learned search techniques.

[Format: WBT](#)

Course # **Course Name**

CIP300DC **Weapons of Mass Destruction (WMD): Training**

This CD-ROM series is comprised of 4 “stand alone” training programs designed to support Weapons of Mass Destruction (WMD) training activities for state and local personnel. The topics include: Incident Commander and Staff, HAZMAT - First Responder, Hospital and EMS - First Responder and General Education.

Format: CD

CIP400DC **Weapons of Mass Destruction (WMD): Training Exercises**

This CD-ROM series is comprised of 4 “stand alone” training exercise CD’s designed to compliment and reinforce the learning objectives of the Weapons of Mass Destruction (WMD) training CD’s.

- Chemical Exercise (Disk 1)
- Biological Exercise (Disk 2)
- High Explosives Exercise (Disk 3)
- Radiological Exercise (Disk 4)

Format: CD

COO101DW **Continuity of Operations Awareness**

The goal of this introductory course is to describe the roles and responsibilities of personnel during an emergency situation and to help minimize confusion and ensure efficient operations during a continuity situation. After completing this course, personnel should be able to describe the basis of continuity procedures, identify roles and responsibilities of essential and non-essential personnel, and describe the necessary steps to plan for family support in a continuity situation. Personnel will also be given generic sample checklists which will provide guidance on how performance of essential functions and activities are sustained.

This course will serve as a fundamental overview for more advanced practitioners and will be supplemented by additional courses pertaining to response, coordination and planning and continuity procedures. After completing this course, personnel will understand their role in a continuity situation and in particular how crucial it is to plan for continuity during or following an emergency.

Format: WBT

ECA110 **Consequence Assessment Application**

This course provides a working-level understanding of the fundamentals of consequence assessment. This course is presented in 12 consecutive learning modules that follow a logical progression, treating in detail-selected elements of the consequence-assessment process. Most lessons allow students to apply elements of the consequence process through the use of scenarios or computer-modeling exercises. Although this course will not make participants into consequence-assessment “experts,” they will depart with a broad, working-level understanding (and appreciation) of how consequence assessments are performed.

Format: Classroom

Course #**Course Name****ECA201****Consequence Based Emergency Decision Making**

This course provides a working-level understanding of consequence assessment and is presented in 10 consecutive learning modules that follow a logical progression. There is a need for consequence assessors and consequence assessment decision-makers to be proficient in using consequence assessment results and products in making decisions about updating event classification, onsite protective actions, and offsite protective actions recommendations as real time information becomes available. The consequences of concern are health impacts to workers and the public from unplanned releases of hazardous materials into the atmosphere. The information produced in the consequence assessment process directly influences key emergency response decisions, such as event classification and protective actions.

[Format: Classroom](#)

ECC101DW**Categorization and Classification Overview**

This web-based training course is an overview of DOE/NNSA policy and procedures for administration of a site's Categorization and Classification Program. This course provides students an opportunity to gain an understanding of the categorization and classification program related to operational emergencies at DOE facilities. The course will review the terminology associated with emergency categorization and classification, the "how and why" of categorizing an operational emergency, and the "how and why" of implementing a classification system. Students will also learn the importance of identifying and categorizing events and understand the process of defining Emergency Action Levels (EALs). This course will also provide a base-line understanding so that students may take higher-level training that is offered by the Academy, however it is not intended to prepare the student to perform categorization and classification duties.

[Format: WBT](#)

ECC120D**Integrating Emergencies into the Occurrence Reporting System**

This videotaped series of lectures, discussions, and hands-on exercises teaches participants how to identify the boundaries between reportable occurrences and operational emergencies on a category-by-category basis. They also learn an approach for integrating the two systems presented.

[Format: DVD](#)

EFE101DW**Emergency Facilities and Equipment Overview**

The Emergency Facilities and Equipment course will fulfill the need for DOE and NNSA personnel to learn the DOE requirements for Emergency Management Systems, guiding managers in the event of an emergency in planning and responding with the necessary resources to protect workers, the public, the environment and national security. The overall goal of this course is to provide training to assist DOE/NNSA field elements in complying with the requirements and implementing the guidance for emergency facilities and equipment. DOE Order 151.1C requires that sites and facilities have available and maintain emergency facilities and equipment adequate to support the emergency response, commensurate with hazards. The participants will understand the requirements and guidance to address emergency facilities and equipment in their emergency programs and ensure that activities conducted using emergency facilities and equipment are fully integrated.

[Format: WBT](#)

Course # **Course Name**

EMP170DW **Introduction to DOE Emergency Management System**

This course is designed to provide the student an understanding of the DOE Comprehensive Emergency Management System (EMS). EMS training is conducted to ensure DOE and NNSA are ready to respond promptly, efficiently, and effectively to any emergency affecting DOE or NNSA facilities and activities. This includes on-site and off-site transportation activities or any emergency requiring DOE or NNSA assistance. During this course students will gain a conceptual understanding of how to apply the necessary resources to mitigate consequences and protect workers, the public, the environment, and national security.

[Format: WBT](#)

EMS101DW **Emergency Medical Support Introduction**

This web-based course will introduce the student to the fundamentals of emergency medical support. It will provide basic information on effective concepts designed to help understand the requirements, guidance, and performance criteria associated with emergency medical response programs as set forth in DOE Order 151.1 and the corresponding guidance through text, audio, animations, and interactive review. Case studies and photographs will be used to illustrate implementation of the DOE requirements and guidance pertaining to emergency medical response. Different approaches and experiences in integration and coordination of medical programs across the DOE complex will be presented and discussed.

[Format: WBT](#)

EMS200D **Emergency Medical Integration & Coordination**

This “200-level” course provides broad intermediate-level coverage of the requirements for emergency medical response set forth in DOE Order 151.1 and the associated guidance in DOE Guide 151.1, Volume IV. The purpose is to provide student understanding of emergency medical response related to operational emergencies and the corresponding interfaces between onsite and offsite organizations. Course material addresses emergency medical response with focus on DOE site organizations as well as integration and coordination with offsite non-DOE organizations.

[Format: DVD](#)

ENC101DW **Emergency Notifications and Communications**

This introductory web-based course provides basic information on the current requirements, guidance and the performance criteria associated with notification and communication through text, audio, animations, and interactive review.

[Format: WBT](#)

EPA102DW **Program Administration Overview**

This course will fulfill the need for DOE and NNSA personnel to learn the DOE requirements associated with Emergency Management Program Administration. The content for this course is based upon tasks identified in the DOE Functional Analysis of Emergency Operations, final report dated August 2001. These tasks are identified as the primary job tasks of the Emergency Manager responsible for Program Administration.

[Format: WBT](#)

<u>Course #</u>	<u>Course Name</u>
EPA130DW	<p>Roles and Responsibilities of the EM Program Administrator</p> <p>This course will fulfill the need for DOE and NNSA personnel to learn the DOE requirements for the position of Program Administrator associated with Emergency Management Program Administration. The content for this course is based upon tasks identified in the DOE Functional Analysis of Emergency Operations, final report dated August 2001. These tasks are identified as the primary job tasks of the Emergency Manager responsible for Program Administration.</p> <p><u>Format: WBT</u></p>
EPI101DW	<p>Emergency Public Information Overview</p> <p>This course provides an overview of DOE/NNSA Emergency Information Program requirements and describes how to develop and implement Emergency Public Information (EPI) plans. Training covers EPI roles and responsibilities, media relationships, public education, activating a Joint Information Center (JIC), and EPI participation in drills and exercises.</p> <p><u>Format: WBT</u></p>
EPI110D	<p>Spokesperson and the Media Training</p> <p>This training video covers topics such as, Meet the Media, The Bottom Line and Rules for success. The training is designed for DOE and DOE contractors designated as DOE spokespersons and who have no media training or experience. This training will also be beneficial to other DOE and DOE contractor personnel who, during the course of their duties, may interface with the news media as well as provide refresher training for people who have media training and/or experience.</p> <p><u>Format: DVD</u></p>
EPI120D	<p>Joint Information Center (JIC) Overview</p> <p>The Joint Information Center (JIC) Overview addresses the requirements for DOE site and contractor public affairs offices to make available JICs or similar facilities as needed during emergencies or for training purposes. This course takes a look at aspects of JICs and at the knowledge and skills necessary for JIC team members. JICs are part of the process for proactively communicating to employees, the public, and the media during emergencies or crises. Plans and processes for establishing, activating, and operating JICs should be written and carried out in accordance with DOE Order 151.1 and DOE Guide 151.1-1 Volume 4.</p> <p><u>Format: DVD</u></p>

Course # **Course Name**

EPI230DT **EPI & Social Media Distance Tutorial**

The EPI & Social Media Tutorial identifies challenges and impacts of Social Media and new communication technology on the goals and activities of Emergency Public Information. It is a strategic planning guide designed to help students 1) ask the appropriate questions 2) guide research efforts 3) formulate a plan to respond to the impact of new communication technology on Emergency Public Information programs. Students learn the impact new communication technology has on audience, media, control of message and the process for developing Emergency Public Information including collection, message strategy, dissemination, collaboration, relationship management etc.

The EPI and Social Media Tutorial is supported by white papers in the Emergency Management Issues Special Interest Group (EMI SIG) EPI Subcommittee SharePoint Library, ongoing discussion, research and real world data from the EPI Subcommittee, and site research and planning.

[Format: WBT](#)

ERA101DW **Readiness Assurance Overview**

The purpose of this course is to familiarize students with the concepts, requirements and guidance for readiness assurance (as outlined in DOE Order 151.1 and DOE Guide 151.1-1), and details of the framework for a Readiness Assurance program.

[Format: WBT](#)

ERA131DW **Managing Corrective Actions Overview**

This web-based course is designed to provide the necessary knowledge for those responsible in managing observations, findings, and corrective actions resulting from analyses, assessments and reviews including: evaluations and assessments of DOE security and emergency management programs, self-assessments, readiness assessments and reviews, safety reviews and evaluations, and root cause analyses. The purpose is to provide a basic understanding of corrective action requirements, guidelines, and standards used to identify, implement, evaluate, follow-up, and close-out responses to observations, findings, and corrective actions.

[Format: WBT](#)

ERA200D **Preparing for Evaluation of Your Emergency Management Program or Exercise**

This "200-level" course addresses evaluations of site/facility emergency management programs and emergency response exercises, focusing on the perspective of the organization and individuals being evaluated. Course content is based on the requirements and guidance in DOE Order 151.1 and DOE Guide 151.1-1. This course's purpose is to better prepare organizations and individuals for evaluations by improving their understanding of the objectives and processes of evaluations conducted by external organizations.

[Format: DVD](#)

Course #**Course Name****ERA400****Effective Techniques for Evaluating Your Emergency Management Program**

This course presents information via lecture and demonstration, seminar-style discussions, case studies, and student problem-solving and role-playing sessions to illustrate and practice techniques and skills. The course provides an in-depth understanding of processes and techniques used to conduct evaluations, including self-assessments, and provides opportunities for application and practice. The course also addresses protocols for organizing and managing evaluations, techniques for gathering information, and tools to organize and process information for reporting.

[Format: Classroom](#)

ERO102DW**Emergency Response Organization Overview**

This is a web-based course which provides an introduction to the Emergency Response Organization (ERO). This course provides an in-depth understanding of the ERO structure, the ERO functions, and ERO positions. This course discusses how to staff the ERO and the operational aspects of the ERO. This course is designed to provide an effective concept of the ERO through text, audio, animations, and interactive review. There is a multiple choice test that students must complete to receive a course completion certificate.

[Format: WBT](#)

ERO110D**Roles and Responsibilities of Initial Responders: Enhancing Initial Response Effectiveness**

At a DOE facility, effective response to an emergency event begins with initial responders who must work in concert to accomplish multiple activities quickly and efficiently. If you're a key decision-maker, you know that you must accurately assess the emergency situation and formulate appropriate response actions, including any necessary protective measures. This training examines roles and responsibilities of initial responders and decision-makers in light of the Evaluations and Follow-up Review conducted by the Office of Independent Oversight (OA). The first day gives you an overview of the OA findings as well as orienting you to generic roles and responsibilities. (This orientation establishes a common set of terms for describing key response positions and activities.) You'll also identify the tools and methods that responders and planners use to establish links between their respective activities-vital links that support initial response and decision-making.

[Format: DVD](#)

ERO170D**Explosive Effects and Countermeasures**

The impact of a vehicle bomb blast on a building can be determined by analyzing the:

- (1) Over pressure that the building structural elements can withstand,
- (2) Standoff distance that can be enforced, and
- (3) Potential damage from a specific amount of explosives detonated at an enforceable standoff distance.

This presentation will address the potential effects of a postulated bomb blast and identification of protective measures to reduce risk. Section one describes the effects of a bomb blast on the buildings and occupants (e.g., columns, walls, windows, and personnel) as well as charts and graphs for determining blast effects. Section two shows how to calculate the kinetic energy and the maximum attainable vehicle speed for a moving vehicle. Section three provides suggestions for conducting such an analysis, including the use of available software.

[Format: DVD](#)

Course #**Course Name****ERO220D****Enhancing Response Effectiveness**

This course will provide a brief review of the planning process and response roles and responsibilities; background and content of the Federal Radiological Emergency Response Plan (FRERP); issues related to FRERP implementation; a description of the relationships among and between sites and offsite responding organizations and DOE assets; and the Integrated Federal Response.

Format: DVD

ETD101DW**Introduction to Training and Drills**

The overall goal of this course is to serve as an orientation to the role and application of training and drills in the DOE/NNSA Emergency Management System. Participants will be presented with information that will assist them in determining what to expect from a comprehensive training and drills program, which has been implemented according to DOE/NNSA directives and guidance. This course will also serve as a fundamental overview for more advanced practitioners and should be supplemented by additional coursework that covers advanced concepts and practices for implementing training and drill programs.

Format: WBT

ETR101DW**Emergency Termination and Recovery Overview**

This course will fulfill the need for DOE and NNSA Managers and personnel to learn the DOE Order 151.1C requirements for termination of Emergency Operations, and the procedures necessary for recovery activities directed at restoring the facility and area affected by the emergency to a safe, pre-incident condition.

The overall goal of this course is to provide training to assist DOE/NNSA Field Elements in complying with the requirements and guidance on emergency termination and recovery. DOE Order 151.1C requires that sites and facilities terminate Operational Emergencies only after predetermined criteria have been met and formal termination of the response phase has been coordinated with offsite agencies. Depending on the nature and severity of the emergency, recovery may involve a variety of activities directed at restoring the facility and area affected by the emergency to a safe, pre-incident condition. This course is intended primarily for facilities and activities required to implement an Operational Emergency Hazardous Materials Program, although some guidance reflected in the training is applicable to Base Program facilities.

Format: WBT

ETR400**Event Investigation and Analysis for Emergency Management**

This course involves two primary instructors who will present information via lecture and demonstration, seminar-type discussions, case studies, and student problem-solving and role-playing sessions to illustrate and practice techniques and skills. Students will understand the integration of Emergency Management with accident investigation, cause analysis, and corrective action programs.

Format: Classroom

Course # **Course Name**

EXR101DW **Overview of the DOE/NNSA Emergency Exercise Program**

This course is designed to provide students with a conceptual understanding of the DOE NNSA exercise requirements, types of exercises, the exercise planning process, and resources that are available to assist each facility/site in the development of the exercise package. Exercises are necessary to test and validate the facility/site's ability to mitigate emergency events while protecting people, facilities, and the environment.

[Format: WBT](#)

EXR102DW **Developing Exercise Scenarios**

These tutorials are part of the Emergency Management Issues – Special Interest Group (EMI-SIG) website. Individuals accessing these tutorials will be directed to the EMI-SIG website and will be required to create a user profile. Membership in EMI SIG is not required.

These tutorials are designed to assist individuals in developing scenario materials for emergency drills and exercises. These self-paced Exercise and Drill Tutorials are self-study, stand-alone job aids that can be used as often as needed. Individuals may access training tutorials as often as they wish.

[Format: WBT](#)

EXR103DW **Developing Exercise Objectives**

In this course, students will be able to do the following:

- Identify the purpose and characteristics of exercise objectives
- Determine sources to consider before writing exercise objectives
- Understand how to develop exercise objectives by using a five-point strategy and three main components
- Identify common mistakes made when writing exercise objectives
- Understand considerations for grouping and numbering exercise objectives
- Comprehend how to create a Master Exercise Objectives List
- Differentiate how to use exercise objectives

[Format: WBT](#)

EXR111 **Drill and Exercise Train the Trainer Evaluator and Controller Course**

This course will train Federal and contractor employees assigned as evaluators, controllers, and evaluator/controllers in the basic techniques of drill or exercise evaluation and control. The participants will understand the basic techniques, terminologies, roles and responsibilities of drill or exercise evaluation and control in support of site/laboratory training and exercise programs. The class covers lessons 2 and 3 ONLY. The prerequisite of EXR 131 covers lesson 1. Lesson 4 is designed for site specific use.

[Format: DVD/Classroom](#)

Course # ***Course Name***

EXR131DW **Fundamentals of Exercise Design**

This course is designed to provide the student with an overview of an effective approach to the design and development of exercises that meet DOE/NNSA requirements and guidance for ensuring effective exercise design.

[Format: WBT](#)

EXR231 **Exercise Design Lab**

This course is an application of the DOE/NNSA Exercise Design and Development Process. This course will integrate Exercise Builder 2008, a computer-based job aid, in a structured classroom/laboratory environment to accomplish the dual goals of teaching an effective approach to exercise design, and providing practical instruction on using Exercise Builder to design and develop an exercise package.

[Format: Classroom](#)

HAS102DW **Hazards Survey and Hazards Assessment Overview**

This course introduces personnel to the DOE Emergency Management System and the “Commensurate with Hazards” approach to hazard identification, analysis, planning and preparedness. The purpose of and the process for doing both the Hazards Survey and the facility-specific Hazards Assessment is explained. Specialized terminology associated with hazards identification, screening and analysis is defined and the impacts that may result from releases of hazardous materials to the environment are described, as are the uses of Hazards Assessment results to create emergency plans and preparations that are commensurate with hazards at each facility.

[Format: WBT](#)

ICS300 **Intermediate Incident Command System (ICS) Training (Restricted)**

The FEMA/NFA/NWCG/USDA “ICS-300: Intermediate ICS for Expanding Incidents” Course, is an intermediate-level Incident Command System (ICS-300) course, intended for individuals who may assume a supervisory role in expanding, or Type 3, incidents.

[Format: Classroom](#)

ICS400 **Advanced Incident Command System (ICS) Training (Restricted)**

The FEMA/NFA/NWCG/USDA “ICS-400: Advanced ICS for Command and General Staff, Complex Incidents” Course, is an Advanced-level Incident Command System (ICS-400) course.

[Format: Classroom](#)

Course # **Course Name**

NARAC101 **NARAC Dispersion Modeling**

When a hazardous material is released into the atmosphere, the National Atmospheric Release Advisory Center (NARAC) can map the probable spread of contamination in time for an emergency manager to decide if taking protective action is necessary. NARAC provides its customers with the ability to request automated atmospheric calculations through user friendly software interfaces or by contacting NARAC directly for support during an atmospheric hazard. This course starts by providing a brief overview of NARAC's role as an emergency response asset and its capabilities. This is followed by a comprehensive look at the terminology and science behind NARAC products to provide NARAC software users with an understanding of both the information needed to request a NARAC calculation and the resulting products.

[Format: WBT](#)

NARAC102 **NARAC Web**

This course describes the basic use of the NARAC Web software interface. Emphasis is placed on creating and submitting NARAC model runs, viewing the results of completed runs and other NARAC information, and the process of sharing your model predictions, reports and data with other NARAC Web users. These concepts are described in a manner relevant to consequence assessment staff and emergency responders at DOE facilities.

[Format: WBT](#)

OER103DW **Radiation and Pager/Pager-S**

This 1 hour course is divided into 3 sections of approximately 15 minutes each. The first section delivers basic information about radiation fundamentals. The next two sections provide information on the operation of the Sensor Technologies' Pager® and Pager-S® radiation detectors.

[Format: WBT](#)

OER105DW **Introduction to Radiation**

This interactive course provides basic information on radiological fundamentals, biological effects of radiation, types of contamination, and a historical perspective through text, animation, and interactive review.

[Format: WBT](#)

OER122DW **Crisis / Critical Communications**

When people are under stress they often have difficulty hearing, understanding and remembering information. To overcome these barriers, the crisis/critical communicator must be sure their message is focused and concise. In this course, students learn the process of developing an effective message using the techniques of message mapping. Message mapping is a logical and systematic method to identify possible concerns and generate focused responses. The message map anticipates questions and develops key messages with supporting facts for each question. The rigor of this process will help you focus on public concerns and issues, and prepare a consistent, accurate and compassionate message.

[Format: WBT](#)

Course #**Course Name****OER430****Senior Energy Official - Practical Application Workshop (Restricted)**

The Senior Energy Incident Command System course focuses on the roles and responsibilities of the Senior Energy Official when serving as the DOE/NNSA Incident Commander in a Unified Command during an inter-agency response. It is designed to enhance the student's ability to perform their duties using incident management best practices. The course will focus on command and leadership in a crisis environment, establishing Command Direction, managing an incident management organization, and responding to external influences.

[Format: Classroom](#)

ORI101DW**Managing Offsite Response Interfaces**

This web-based course will provide basic information on DOE Offsite Response Interfaces through text, audio, animations, and interactive review. This course will be an overview that stresses the general concepts for establishing and maintaining Offsite Response Interfaces (ORI) with particular emphasis on the requirements of DOE Order 151.1 and the guidance of DOE Guide 151.1-1 (Volume III).

[Format: WBT](#)

ORI200D**Managing Offsite Response Interfaces - Interactive Forum**

This interactive forum addresses the establishment of interfaces between organizations for the purpose of emergency response. An expert panel consisting of three site representatives will address course material, case studies, and any questions or concerns of participants.

[Format: DVD](#)

PAR101DW**Protective Action and Reentry Overview**

The purpose of this course is to assist DOE/NNSA facilities/sites in complying with the requirements of DOE Order 151.1C, Comprehensive Emergency Management System, following the guidance in DOE Guide 151.1-4, Chapter 7, Protective Actions & Reentry. This course is designed for emergency management personnel responsible for implementing and recommending Protective Actions and planning reentry activities to ensure the health and safety of responders, workers, and the public.

[Format: WBT](#)

PAR200D**Protective Actions & Reentry for Emergency Planners**

This "200-level" course addresses the incorporation of planning into protective action decision-making, and reentry. The content is based on requirements for protective actions and reentry set forth in DOE Order 151.1. The course's purpose is to provide students with an in-depth understanding of the planning and program implementation of protective actions and reentry activities related to operational emergencies. The focus is on events with hazardous material releases. To ensure that decisions and actions related to protective actions and reentry can be effectively made and acted upon, the course addresses various aspects of protective action decision-making, focusing on DOE sites as well as integration and coordination with offsite non-DOE organizations.

[Format: DVD](#)

Course #**Course Name****PAR300D****Implementing Protective Actions & Reentry for Decision-Makers**

This “300-level” course builds on the topics covered in the intermediate-level “200” course for protective actions and reentry, as set forth in DOE Order 151.1. The purpose of this course is to give students an in-depth understanding of the implementation/application of protective actions and reentry related to operational emergencies, with emphasis on hazardous materials events. This course addresses decisions and actions related to protective actions and reentry with focus on DOE sites and on integration and coordination with offsite, non DOE organizations.

[Format: DVD](#)

RAP112DW**Radiological Assistance Program: Health and Safety**

Accidents result from hazards that have been poorly managed or controlled. In DOE/NNSA operations, all personnel are responsible for managing hazards. This online course introduces health and safety issues and reviews solutions and procedures that historically have ensured the personal safety of RAP team members during deployments. This course also reviews safety related command and decision-making models utilized during RAP team deployments.

[Format: WBT](#)

RAP130DW**Assessment and Data Processing**

RAP responders deploy with some of the most sophisticated equipment in the world. This Data Processing Principles course introduces software applications used by RAP teams for communications, modeling, triage, and reporting practices.

[Format: WBT](#)

RAP140DW**Principles of Navigation**

Navigation tools are a necessity for RAP team members working a field response. This course provides a general overview of various types of maps and their unique functions and an understanding of how these benefit a RAP response. It also introduces basic concepts associated with the Global Positioning Satellite (GPS) system. You will begin to understand how integration of maps and GPS systems provide highly accurate navigation information to support a mission

[Format: WBT](#)

RAP150DW**Principles of Radiation**

This course will fulfill the need for a non-technical introduction to the four basic types of radiation and the radiation detection instruments used by responders. In addition, the course will provide an overview of the contexts for radiation detection and monitoring, and a basic knowledge of the limitations of current technology.

[Format: WBT](#)

Course # ***Course Name***

RAP160DW **Security Procedures for the RAP Responder**

In today's rapidly changing world, information does not have to be classified to be valuable to an adversary. Seemingly insignificant bits and pieces of unclassified data can be gathered and analyzed to reveal sensitive or classified information or activities. This program provides the umbrella for the protection and control of classified and sensitive information. RAP team members will be able to identify basic Operations Security (OPSEC), Classified Matter Protection and Control (CMPC) and Classified Information Systems Security which includes Communications Security (COMSEC) principles and practices needed for any hazardous response.

Format: WBT

RAP163DW **Explosive Threat Awareness**

Radiological Assistance Program (RAP) teams are key assets in the overall identification of radiation and/or nuclear material and their subsequent plume in a radiological dispersal device (RDD) event involving an Improvised Explosive Device (IED). This course provides an introduction to the types and uses of IEDs and the various types and effects of explosions that a RAP team might encounter at a bombing incident site.

Format: WBT

RAP166DW **Mission Planning**

This course addresses duties and responsibilities of RAP Team Leaders and Team Captains beginning with the initial call for assistance through termination of assistance and return to home base. Students are asked to select the role of either Team Leader or Team Captain and are given scenario information particular to the position selected. Students must make role-based decisions and can compare their decision to the "school solution".

Format: WBT

RAP169DW **Principles of Recordkeeping and Information Management**

This course reviews the standard forms used by DOE/NNSA responders in a hazardous environment. These forms include: Instrument Check Sheet, Team Member and Instrument Information Log, Sample Control Log, Field Monitoring Log, and Radiation Survey Log. Instructions for completing text entry fields and data requirements on each form are provided in this course.

Format: WBT

RAP170DW **Response Agency Network**

In the event of a radiological or nuclear emergency, Radiological Assistance Program (RAP) teams will find themselves incorporated in a response effort integrating many emergency response agencies. These may include local, county, state, tribal, or federal response elements. This course provides an overview of the agency network that might respond to a radiological or nuclear event, what special capabilities they would provide, and how RAP teams would interface with them.

Format: WBT

Course # **Course Name**

RAP171DW **Crime Scene Issues, Hazards, and Law Enforcement Interface**

This course introduces Radiological Assistance Program (RAP) teams to specific guidance on how to effectively interface with law enforcement officials and other first responders at a bombing crime scene. It provides instruction on how to carefully work within a crime scene to protect potentially critical evidence. This course reminds responders that it is only through effective team effort that the recovery of radiological dispersal device components and the subsequent criminal investigation of the terrorist act that will lead to the identification, arrest and subsequent successful prosecution of the perpetrators.

[Format: WBT](#)

RAP180DW **Training Practices and Instructor Development**

In an emergency event, Radiological Assistance Program (RAP) team members are often called upon to provide on-the-spot instruction of specific equipment to emergency responders. This course provides instructional methods for effectively delivering on-the-job training in the field.

[Format: WBT](#)

RAP190DW **Radiological Assistance Program (RAP) Overview**

This web-based course presents an overview of the Radiological Assistance Program (RAP). The course covers the RAP mission, roles and responsibilities of RAP team members and the organizational structure of RAP teams.

[Format: WBT](#)

RAP430 **RAPTER Training and Evaluation Exercise (Restricted)**

RAPTER is a five (5) day course consisting of classroom instruction, hands-on equipment laboratories, and realistic application exercises. The course supplements and evaluates prerequisite training delivered through web-based courses, Mobile Training Teams, and site/regional teams. Participants practice their roles and responsibilities responding to a variety of radiological incidents. Participants get hands-on experience with old and new equipment as well as practical application of RAP procedures. This course meets the triennial requirements of RAP team members to perform on a RAP team.

[Format: Classroom](#)

Additional courses may be found on our website: <http://eota.doeal.gov>
Many new courses coming soon!



Emergency Operations Training Academy

2201 Buena Vista Drive, SE Suite 203
Albuquerque, New Mexico 87106

eota@eota.energy.gov

(505) 842-7110

<http://eota.doeal.gov>