



Weapons of Mass Destruction Training

Incident Response to Terrorist Bombings (IRTB) Information Package

(09/01/06)

New Mexico Tech

Energetic Material Research and Testing Center

EMRTC

801 Leroy Place

Socorro, New Mexico 87801



<http://respond.emrtc.nmt.edu/>

respond@emrtc.nmt.edu

Phone: (505) 835-5573

Fax: (505) 835-5957

INCIDENT RESPONSE TO TERRORIST BOMBINGS (IRTB) COURSE

APPLICATION PROCESS

All training requests must be approved through your Office of State and Local Domestic Preparedness Support-Designated State Agency Training “point of contact”.

1. This training program is supported through the U.S. Department of Homeland Security, Office of Grants and Training (DHS-G&T). It is designed to provide technical operational level training for active state and local firefighters, law enforcement personnel, emergency medical personnel, and other first responders who have significant responsibility for providing specialized support during weapons of mass destruction (WMD) incidents, particularly those involving explosive or incendiary materials.
2. Approved car rental, hotel, and per diem costs are reimbursable through the Department of Homeland Security program. Airfare costs are billed directly to the IRTB funded program. Airline and rental car arrangements must be booked through Paradise Travel Agency. Paradise Travel will use alternative airports to reduce the cost of airfares when possible. Mileage will be reimbursed @ 39¢ per mile for use of Privately Owned Vehicles (POVs) to and from your residence and the airport. In addition, the IRTB Program Manager must approve all costs that exceed \$50.00 for taxi or limousine services to and from your residence and the airport. Hotel costs are not to exceed the federal lodging rate. The federal per diem rate (meals and incidentals) is \$39.00 per day. Federal employees are eligible to attend this training on a space available basis. They are NOT eligible for reimbursement under this program and must pay for their own expenses and travel.
3. We encourage you to complete the attached application and submit it through your channels for review and approval as soon as possible. Your timely response will assist us in ensuring you receive the class date of your preference.
4. It is imperative that you provide a personal email address and three (3) preferred class dates. If the application is incomplete, processing of it will be delayed.
5. In addition to the application, we have provided a course synopsis and applicant information sheet. These are yours to keep. You can access the IRTB training schedule by typing in the following website: <http://respond.emrtc.nmt.edu/>. We recommend that you list three (3) class dates in order of preference in Block 5 of the application. We will make every effort to slot you in one of your preferred class dates.
6. The Scheduling Coordinator will review the application to ensure that it contains all the required information. If approved, a confirmation package with your class date will be emailed / faxed to you, along with travel, rental car and hotel reservation instructions. Class confirmation is determined when your travel request is received through Paradise Travel.
7. If you have any questions regarding any aspect of the program, please contact us. We will be happy to assist you in any way we can.

Official Application : Incident Response To Terrorist Bombings

Personal Information

Last Name

First Name

MI

Home Address

City

State

Zip

Home Phone

Date of Birth (mm/dd/yyyy)

Please take extra care in entering email addresses.
Print clearly and make sure that 'dots' and 'underscores' are easily read.

Email

Preferred Dates of Attendance

First Preferred (mm/dd/yyyy)

Second Preferred (mm/dd/yyyy)

Third Preferred (mm/dd/yyyy)

Agency Information

Department Name

Title / Rank

Mailing Address

City

County

State

Zip

Office Phone

Office Fax

Agency Email

Department Head or Designated Individual Approval and Applicant Signature

State Point of Contact Name (Print)

State Point of Contact Signature

Department Head Name (Print)

Department Head Signature

Date

Applicant Signature

Date

41328



INSTRUCTION SHEET

The following instructions are provided to assist you in completing the application form.

Note: Your DHS Appointed State Point of Contact must sign this application or e-mail approval for attendance for this training.

Personal Information:

1. (Last Name) – Self-Explanatory.
2. (Home Address) – Your complete street address to include Apt #, etc.
3. (Personal e-mail) – You **must** provide a clearly legible email address. This is the most effective means of communication.
4. (Date of Birth) – Example: 04/29/1970.
5. (Preferred Class Dates) – Provide three (3) in order of preference. To view course dates, go to **<http://respond.emrtc.nmt.edu>**
6. If you are selected to attend a class, a confirmation letter will be faxed to you with instructions to contact the travel agency and hotel to make your airline, car rental, and hotel reservations.

Agency Information:

7. (Name of Department) – Official Title of Department/Agency you are employed by.
8. (Position Title) – Your official Position/Duty Title.
9. (Rank) – The rank you currently hold.
10. (Mailing Address) – Your department mailing address.
11. **Office phone and FAX numbers - Ensure that a good office phone and fax number is provided on each application.**
12. (County/Parish) – The county in which your Department is located.
13. (Years of Service) – The total number of years you have served in your current area of expertise.
14. (Agency email)

Departmental Authorization:

15. **Approval and a signature is required from your department/agency to authorize this training.**

Applicant Signature:

16. You must sign your name in this block.

Course Description

In order to succeed in preparing for and responding to future terrorist attacks in the United States involving weapons of mass destruction (WMD), emergency response agencies must complete extensive preparatory actions—developing plans, acquiring equipment, and conducting training and exercises that focus on likely attack scenarios. This program supports those imperatives by providing state-of-the-art training on terrorist use of energetic materials (explosives and incendiaries). This training enables course graduates to assist in:

- writing the plans, policies, procedures, and tactics required for safe and effective response;
- identifying equipment required for response;
- identifying appropriate training;
- and identifying exercise requirements to support agency-wide and multi-agency preparation.

An additional purpose of this course is to prepare qualified participants to present awareness level training in procedures for responding to WMD incidents involving energetic materials. Furthermore, the course is designed to instill in participants a respect for the destructive potential of explosive materials that could be used by terrorists in a WMD incident. This is the capstone course in the U.S. for preparing state and local emergency response agencies and individual responders to deal with terrorist employment of energetic materials against targets in the U.S.

Target Audience

This course is designed for law enforcement officers, firefighters, emergency medical personnel and others who prepare for, or direct response to, terrorist incidents involving energetic materials and/or provide response training in their agencies and communities. Most of these personnel will have experience and job responsibilities related to training other personnel within their agencies.

Prerequisites

The following prerequisites apply to personnel attending this course:

- Substantial experience in their respective agencies in positions beyond entry level.
- Assignment or identification for assignment to a position responsible for conducting WMD training; developing plans, policies, procedures and tactics to govern response; providing specialized response support during WMD incidents; or coordinating initial response to a WMD incident.
- Sufficient tenure remaining in their current or future position to allow for the application of course material upon their return.

Required prerequisites must be verified by the participant's department at the time of application. Participants must have a picture ID (preferably one issued by their department) for presentation to instructors prior to the start of instruction.

Scope of the Course

This is a resident course designed to provide advanced training in WMD, with a focus on explosives and incendiary devices as terrorist weapons. The course offers a unique blend of classroom presentations, field laboratories, case studies and practical exercises. Training is designed to familiarize participants with commercial and military explosives, improvised explosive devices, and readily available explosive formulations that have been used or could be used by terrorists. It addresses, in

detail, what must be accomplished during incident scene operations to ensure a safe and effective response.

There are thirteen modules included in this training program, encompassing twelve classroom sessions, three case studies, three field laboratories and a series of supporting practical activities.

MODULE 1: Course Introduction

During this introductory presentation, training staff and instructors welcome participants to the program, provide background information concerning New Mexico Tech and the training program, summarize course content, administer a pre-course knowledge survey, and explain performance standards and expectations. Additionally, instructors will cover safety requirements governing participants' behavior in the classroom, on ranges and in the community.

MODULE 2: Terrorism and Energetic Materials

This module sets the stage for the contemporary use of explosives and incendiaries in terrorist attacks. Included are discussions of pertinent terminology, descriptions of terrorist targeting criteria, preparatory activity prior to attack, and tactics used by terrorists when employing explosives and incendiaries. The module will focus on assisting participants in developing an awareness of potential targets in their home communities, and in recognizing pre-attack indicators of a terrorist attack.

MODULE 3: Introduction to Energetic Materials

During this module, participants are introduced to basic explosive terms and processes. Included in the presentation is information concerning the components required to produce an explosive or incendiary event, the physical and chemical processes required to cause an explosion, and the physical consequences of an explosion.

MODULE 4: Recognition of Energetic Materials, Devices, and Device Components

During this module, participants are introduced to commercial and military explosives and materials from which improvised explosives and explosive devices may be fabricated. The focus is on enabling the participants to identify these military and commercially available items during the conduct of their routine duty activities (such as fire inspections, emergency medical calls, routine law enforcement patrols) upon return to their communities. The participants are acquainted with the characteristics of these items in terms of their appearance, labeling, texture, and smell.

MODULE 5: Responding to Pre-detonation Incidents

During this module, instructors describe appropriate actions for executing safe and effective response to bomb threat and suspicious item incidents and highlight critical decisions that must be made and problems that frequently develop. At the completion of the instructor presentation, participants complete a practical exercise and prepare to share their work with others in the class.

MODULE 6: Responding to Post-detonation Incidents

This module presents information concerning first responder actions at post-detonation incidents-situations where the response occurs after detonation of an explosive or activation of an incendiary device. The presentation includes discussion of priorities, critical response actions (rescue, scene control, and evidence collection) using examples from past incidents, and includes a comprehensive Practical Exercise in which participants are required to apply skills and knowledge acquired during the module.

MODULE 7: Responding to Special Situations

This module addresses unique challenges and response requirements encountered during “Special Situations,” which are response scenarios that differ significantly from most pre- and post-detonation incidents and require substantial modifications to normal response policies, procedures, and techniques. This module focuses on two kinds of events that could occur in the U.S.; bombing incidents where perpetrators are still present at the incident scene and are positioned to interfere with response operations, and suicide-bombing attacks.

MODULE 8: Preparing Emergency Response Agencies for Bombing Incidents

This module focuses on preparatory actions that emergency response organizations must take in order to execute a safe and effective response during a terrorist attack involving energetic material. These preparatory actions involve development of plans (including policies, procedures and tactics), acquisition of equipment, delivery of appropriate training and the conduct of exercises, all integrated in a manner that supports a coordinated response.

MODULE 9: Case Studies

During this module, instructors and subject-matter experts present lessons learned from major bombing incidents. Presentations include a brief summary of the incident and the errors and best practices that were identified after the incident.

MODULE 10: Performance Level Training

During this module, participants are given an overview of the Performance Level (Direct/Indirect Delivery) Training program.

MODULE 11: Field Laboratory

During three field-laboratory sessions, participants will view explosive materials and IEDs and actual explosions involving these materials and devices; participants will also smell and physically handle selected explosive materials (where safety concerns permit). In addition, instructors will review material already presented and furnish detailed commentary on the potential impact of explosive materials on structures and human victims. Concurrent static display stations allow participants to view closely and handle inert explosive devices and equipment used by bomb technicians and EOD specialists when working with IEDs and military munitions.

MODULE 11 F-1: Field Laboratory One

Field laboratories are designed to give participants an opportunity to observe and perform under conditions that more closely approximate the real-world environment. In this module, participants will be able to observe common explosives, detonators, and initiating systems, as well as handle explosive materials where safety guidelines permit. Participants will then observe the destructive power of selected initiation systems and observe the detonation of explosive materials using these items.

MODULE 11 F-2: Field Laboratory Two

Field laboratories are designed to give participants an opportunity to observe and perform under conditions that more closely approximate the real-world environment. In this module, participants will be able to observe common explosives, detonators, and initiating systems, as well as handle explosive materials where safety guidelines permit. Participants will then observe the destructive

power of selected initiation systems and observe the detonation of explosive materials using these items.

MODULE 11 F-3: Field Laboratory Three

Field laboratories are designed to give participants an opportunity to observe and perform under conditions that more closely approximate the real-world environment. In this module, participants will view research mannequins in simulated office settings on the range (building constructed for the demonstration, office furnishings, and research mannequins). Small explosive devices-letter and briefcase bombs-will be detonated in those settings. Participants will then be able to view the impact of the explosives on the scene, including damage done to the mannequins. In addition, participants will observe the detonation of a large-scale vehicle bomb located adjacent to a wooden structure. After the detonation, they will observe close hand the extensive damage to both the vehicle and the structure.

MODULE 12: Practical Exercise

During this module, participants will apply skills and knowledge gained previously in the course to resolve typical problems and issues associated with pre- and post-detonation and special response situations. Participants are assigned to teams and required to assess scenarios provided by the instructor. During each scenario assessment, participants develop an action plan for responding agencies. Each team is required to make one or more presentations that summarize the results of group discussion.

MODULE 13: Course Summary, Assessment, Knowledge Survey, and Graduation

Summarizes the major points presented during the course. In addition, instructors will elicit participant feedback that can be used in improving subsequent course content and presentation. Participants are encouraged to ask any final questions of instructors and identify any additional information or materials that would be helpful to them in performing their WMD-related responsibilities. A post-test is then administered and certificates are presented to all participants who have completed course requirements.

Testing and Evaluation Requirements

After completion of instruction, participants will be take a post-test. The test will include one or more items designed to assess understanding of each module objective. Successful performance on the post-test (scoring 70% or better) will be recognized by issuance of a “Trainer Certification” that recognizes the capability of a participant to present awareness level instruction to other personnel in his/her agency. Participants who fail to perform satisfactorily (score less than 70%) on the post-test will be issued a certificate acknowledging their completion of training.