

CDC 47209

Hazardous Materials Officer

Volume 1. Instructor Guide Sheets



**Extension Course Program (A4L)
Air University
Air Education and Training Command**

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Material in this volume is reviewed annually for technical accuracy, adequacy, and currency. For SKT purposes the examinee should check the *Weighted Airman Promotion System Catalog* to determine the correct references to study.

READ THIS BEFORE STARTING THE COURSE

WELCOME to the Career Development Course (CDC) program, a vital element of the Department of Defense (DOD) Fire and Emergency Services Certification Program. If this is your first attempt at a CDC, we recommend you read DOD Manual 6055.6, *Department of Defense (DOD) Fire and Emergency Services Certification Program*, and watch the Department of Defense Fire Fighter Certification Program Video DOD P/N 612888. If this is not your first CDC, we're pleased that you are progressing well through the certification program and encourage you to continue your efforts to complete this CDC and obtain your certification for Hazardous Materials Officer level.

These requirements are extracted from the 2008 Edition of National Fire Protection Association (NFPA) 472: *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and is the basis for all six units of instruction. Each unit is used in conjunction with the NFPA standard to make sure that all information is covered. Because of the unique nature of the NFPA Job Performance Requirement (JPR) format, many topics may be repeated. While it is necessary to only study the information once, the candidate must realize that questions on such information may be asked in any objective to which the NFPA or the Instructor Guide Sheets refer to. Any areas of the course where Department of Defense enhancements were made to the NFPA standards, a candidate will find the text *italicized*.

A number of the competencies for the Hazardous Materials Officer certification course are based upon identical competencies for the Incident Commander found in Chapter 8 of the NFPA Hazardous Materials Handbook. When reviewing the NFPA Handbook, you will find areas where the background and rationale for a specific competency are not outlined in Chapter 10 (Hazardous Materials Officer), but may be found in Chapter 8 (Incident Commander). These competencies have been noted in the Reference Column of the Instructor Guide Sheets.

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HOW TO USE THIS COURSE

Your CDC consists of two separate booklets, each of which carries with it a different requirement. The successful completion of both of these requirements results in DOD firefighter certification at the Hazardous Materials Officer level.

First let's look at the academic portion:

Instructor Guide Sheets are used to steer you through the course of study.

At the beginning of the course, a **Course Objective** is specified so that you, the student, know exactly what your overall attainment goal should be for this CDC.

A **Learning Objective** is specified at the beginning of each unit to give you guidance on what your attainment goal should be for each unit.

The Guide Sheets are then broken into four columns:

Column one indicates the **Extension Course Program (A4L) Learning Objective**. Learning Objective (LO) numbers shown in the extreme left column of the Instructor Guide Sheets are primarily for A4L tracking purposes but may be used by candidates for correlation to the Certification Course Review Exercises used in the Computer based testing program CerTest (see the CerTest Procedural Guide for more information).

Column two indicates the **NFPA Objective**, which directly correlates to each NFPA 472, line item.

Column three indicates the **Topical Area**, which contains the outline of information.

Column four is the **Reference** area, whereas reference notations are made to steer you, the student, to the information necessary to become a success story. All questions on CerTest and Extension Course Program end-of-course tests are derived from these references.

Second, we will look at the performance tests:

These performance tests provide detailed performance checklist items for candidate testing. Performance tests cannot be conducted until the candidate has successfully completed the academic part of the CDC. However, it is strongly encouraged that you use this supplement and the checklist it contains throughout the normal course of study.

Candidates may practice the performance evaluations at anytime during study and up until performance testing is conducted. Practice is highly encouraged.

This particular course uses five workstations. Within each workstation there are several tasks and objectives (NFPA line items). A “Performance Summary Sheet” precedes each workstation or group of evaluated tasks. This sheet lists the NFPA line items evaluated and the specific tasks to be done. Each performance test lists the setting, tools, and equipment needed for the listed tasks.

CANDIDATE/SUPERVISOR/TRAINER RESPONSIBILITIES

The supervisor/trainer and candidate should immediately discuss the following information when this course is received:

1. Candidate responsibilities:

- a. You will become certified from this training; therefore, you must put forth the most effort. You are responsible to fully research and study those subject areas listed in the Instructor Guide Sheets. You must apply yourself to the training, both academic and performance.
- b. **Prerequisites for Fire Service Professionals**—A candidate from the fire service must first satisfy the following prerequisites in order to take this course:
 - Certified through the DOD Fire Fighter Certification System to the Hazardous Materials Technician for three years OR certified through the DOD Fire Fighter Certification System to the Hazardous Materials Technician for two years and has graduated from the DOD Hazardous Materials Train-the-Trainer Course.
 - Certified as Fire Officer I through the DOD Fire Fighter Certification System.
 - Certified as Hazardous Materials Incident Commander through the DOD Fire Fighter Certification System.

- c. **Prerequisites for Non-Fire Service Personnel**—A candidate from outside the fire service must first satisfy the following prerequisites in order to take this course:
- Certified through the DOD Fire Fighter Certification System to the Hazardous Materials Technician for three years OR certified through the DOD Fire Fighter Certification System to the Hazardous Materials Technician for two years and has graduated from the DOD Hazardous Materials Train-the-Trainer Course.
 - Certified as Hazardous Materials Incident Commander through the DOD Fire Fighter Certification System.
 - Certified to the seven-level or a civilian first-line supervisor within their profession.
- d. Learn the knowledge requirements as specified in Chapter 10 of NFPA Standard 472 (2008 edition) and successfully complete the paper-based or computer-based final examination at an Extension Course Program (A4L) test control facility.
- e. Successfully complete a two-part performance test process. Performance tests can not be conducted until the candidate has successfully completed the academic part of the CDC.
- Part I of the required performance test addresses the skill competencies outlined in Supplement 1—Performance Tests, and shall be completed at the local installation. Part I performance test notification must be made ten days before the actual performance test beginning or the candidate stands the chance of the results *not* being accepted by the administrative center. For specific guidance consult DOD Manual 6055.6. Performance test notifications may be made at <http://www.dodffcert.com/performance/notify.cfm>
 - Part II of the required performance test consists of an exercise scenario and an oral interview with HQ AFCESA/CEXF. HQ AFCESA provides the candidate with an incident scenario, for which the candidate must develop a written incident action plan. The written incident action plan is then submitted to HQ AFCESA and a subsequent oral interview is scheduled with the candidate.
- f. Once you have successfully passed the written and performance tests for Hazardous Materials Officer you will become certified through the Department of Defense, Fire Fighter Certification System, which is accredited by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (NPQS).
2. Supervisor/trainer responsibilities:
- a. The candidate is ultimately responsible for mastering the information contained in this course; however, you as the trainer must reinforce the information and make sure that the candidate achieves the competency level required by the NFPA standard.
 - b. Trainers should use the Hazardous Materials Managing the Incident, 3rd edition and NFPA 472 Handbook 2008 edition. Training classes, either one-on-one or group oriented, are the best way to present new information or review information that the candidate has already researched.

The use of a name of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Department of Defense.

To obtain a response to your questions concerning the subject matter in this course, or to point out technical errors within the course, Certification Course Review Exercises and/or the course examination call or write the CDC author using the contact information on the inside front cover of this volume.

Consult your education officer, training officer, or NCOIC if you have questions on course enrollment, administration, or irregularities (possible scoring errors, printing errors, etc.) on unit review exercises or course examination. For these and other administrative issues, you may also access the Air University e-Campus Support (helpdesk) at <https://www.auecampussupport.com> and do a search for your course number. You may find your question has already been answered. If not, submit a new question or request, and you will receive a response in four days or less.

This volume is valued at 9 hours and 3 points.

Acknowledgment

Preparation of this volume was aided through the cooperation and courtesy of the International Fire Service Training Association, (IFSTA). The Association furnished technical materials for the Fire Fighter Certification training materials.

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Unit 1: Hazardous Materials Officer General Requirements

Objective: Given the *Hazardous Materials Response Handbook* and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to ensure public safety services.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
001	10.1.1 10.1.2	General The general knowledge/skill requirements of a Hazardous Materials Officer Level are: A. Introduction 1. HazMat Prerequisites. 2. OSHA Regulations. B. Goal 1. Determine the complexity of the problem by estimating potential outcomes. 2. Plan a response within capabilities of available resources. This includes: (1) Identifying response objectives (2) Identifying potential tactical options (3) Determine PPE requirements (4) Provide recommendations to the Incident Commander for the development of an Incident Action Plan. 3. Implement the response. This includes implementing the incident management system and directing HazMat Branch/Group Resources. 4. Evaluate the effectiveness of the response and adjust the incident action plan accordingly. 5. Terminate the incident, including conducting a debriefing and critique for HazMat Branch/Group personnel, and reporting and documenting HazMat Branch/Group operations.	<i>Response Handbook</i> Chapter 10 <i>Local Policies</i>

Unit 2: Analyzing the Incident

Objective: Given the *Hazardous Materials Response Handbook*, *Hazardous Materials: Managing the Incident*, and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to successfully analyze an incident.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
002	10.2	<p>Estimating potential outcomes of a hazardous material incident:</p> <ul style="list-style-type: none"> A. Analyze the physical, cognitive, and technical information available to predict the behavior of the container and its contents B. Evaluating risks: <ul style="list-style-type: none"> 1. Stress Event 2. Breach Event 3. Release Event 4. Engulfing Event 5. Impingement (Contact) Event 6. Harm Event C. Estimating outcomes—consider the natural outcome if responders do nothing and people were kept away D. Developing the Incident Action Plan. Response objectives should be considered if they will improve the outcome of the incident 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapters 7 & 10</p>

P.O # 1: Given scenarios involving hazardous materials/WMD incidents, including the surrounding conditions and the predicted behavior of a container and its contents, estimate the potential outcomes within the endangered area.

Unit 3: Planning the Response

Objective: Given the *Hazardous Materials Response Handbook, Hazardous Materials: Managing the Incident*, and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to successfully plan the response.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
003	10.3.3	<p>Selecting proper personal protective clothing and equipment</p> <ul style="list-style-type: none"> A. Types/levels of personal protective clothing <ul style="list-style-type: none"> 1. Structural firefighting gear 2. Chemical protective clothing <ul style="list-style-type: none"> a. Chemical splash b. Chemical vapor 3. High temperature protective clothing <ul style="list-style-type: none"> a. Proximity / Airport Rescue and Firefighting clothing (ARFF) B. Types of respiratory protection <ul style="list-style-type: none"> 1. Self Contained Breathing Apparatus (SCBA) 2. Supplied Air Breathing Apparatus 3. Air Purifying Respirator (APR) 4. Powered Air Purifying Respirator (PAPR) C. Evaluate chemical compatibility / breakthrough time D. Manufacturer's recommendations 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 8</p>
004	10.3.4 (1)	<p>Steps for developing a plan of action</p> <ul style="list-style-type: none"> A. Components to be considered <ul style="list-style-type: none"> 1. Site restrictions 2. Entry objectives 3. On-scene organization and control 4. Personnel protective equipment selection 5. Hazard evaluation 6. Communication procedures 7. Emergency procedures and personal accountability 8. Emergency medical care arrangements 9. Rehabilitation plan 10. Decontamination procedures 11. On-scene work assignments (branch/group/division) 12. Debriefing and critique 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapters 7 & 10</p>

	10.3.4 (4)	<p>B. Evaluating the effectiveness of action options</p> <ol style="list-style-type: none"> 1. Compare direct observations with expected outcomes listed in plan of action 2. Consider expected time frames 	
005	10.3.4 (2)	<p>Factors in considering public protective actions</p> <p>A. Reduce or prevent contamination of people potentially or directed exposed to the HM</p> <p>B. Tactical Options</p> <ol style="list-style-type: none"> 1. Evacuation 2. Protection-in-Place <p>C. Protection-in-Place</p> <ol style="list-style-type: none"> 1. Close windows and doors 2. Turn off ventilation 3. Provide information updates <p>D. Notification</p> <p>E. Information Updates</p>	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 5</p>
006	10.3.4 (3)	<p><i>Local procedures to accomplish the following tasks:</i></p> <ol style="list-style-type: none"> A. Make on-going assessment of the incident B. Command on-scene HazMat Branch/Group personnel C. Coordinate support and mutual aid D. Coordinate public protection actions E. Coordinate fire suppression services F. Coordinate hazardous materials branch / group operations G. Coordinate with medical assistance H. Coordinate on-scene decontamination I. Coordinate cleanup services J. Coordinate evidence preservation and sampling in a contaminated environment. 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Local Policies</i></p>

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007	10.3.4 (5)	<p>Pre-entry activities to be performed</p> <p>A. Consistent with the local emergency response plan and standard operating procedures</p> <ol style="list-style-type: none"> 1. Pre-entry medical monitoring 2. Review plan of action 3. Site safety briefing 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapters 2 & 8</p> <p>Local Policies</p>
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<p>P.O # 2: Given a scenario involving a HazMat/WMD incident, identify the potential response objectives (defensive, offensive, and nonintervention) for each incident.</p>
<p>P.O # 3: Given a scenario involving HazMat/WMD incidents, identify the potential response options for each incident.</p>
<p>P.O # 4: Given a situation with known and unknown hazardous materials, select the personal protective equipment for the action options specified in the plan of action in each situation</p>

Unit 4: Implementing the Planned Response

Objective: Given the *Hazardous Materials Response Handbook*, *Hazardous Materials: Managing the Incident*, and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to successfully implement the planned response.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
008	10.4.1 (4)	<p>Duties and responsibilities of HazMat Branch/Group functions and elements of incident management system</p> <ul style="list-style-type: none"> A. Decontamination B. Entry/Backup C. Hazardous materials branch/group management D. Assistant Safety Officer—Hazardous materials E. Information/Research/Science F. Site access control G. Elements of Incident Management System <ul style="list-style-type: none"> 1. Incident Commander 2. Command staff 3. Planning Section 4. Logistics Section 5. Operations Section 6. Staging 7. Finance/Administration Section 	<p><i>Response Handbook</i> Chapter 8</p> <p><i>Managing the Incident</i> Chapter 3</p>
009	<p>10.4.1 (2)</p> <p>10.4.1 (3)</p>	<p>Steps for implementing local emergency response plan and related emergency response plans and related elements</p> <ul style="list-style-type: none"> A. Initial notification B. Emergency response plan elements <ul style="list-style-type: none"> 1. Pre-emergency planning and coordination 2. Personnel roles, lines of authority, training, and communication 3. Emergency recognition and prevention 4. Safe distances and places of refuge 5. Site security and control 6. Evacuation routes and procedures 	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>

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		<ol style="list-style-type: none"> 7. Decontamination 8. Emergency medical treatment and first aid 9. Alerting and response procedures 10. Critique response and follow-up 11. Personal protective equipment and emergency equipment 	
010	10.4.1 (1)	<p>Procedures for obtaining cleanup and restoration services</p> <ol style="list-style-type: none"> A. Local emergency response plan and standard operating procedures B. Local agreements C. Contract services 	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>
011	10.4.1 (5)	<p>Regulatory authority of local, state, regional, and federal authorities pertaining to the production, transportation, storage, and use of hazardous materials/WMD and disposal of hazardous wastes</p> <ol style="list-style-type: none"> A. Local emergency response plan will identify and delineate roles B. Local emergency response plan will identify functions for each incident type and response level 	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>
012	10.4.1 (6)	<p>Governmental agencies providing hazardous materials/WMD incident assistance</p> <ol style="list-style-type: none"> A. Resources <ol style="list-style-type: none"> 1. US Coast Guard (USCG) 2. US Environmental Protection Agency (EPA) 3. State and local government agencies 4. CHEMTREC 5. Local industry B. Role and type of assistance available 	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>

<p>013</p>	<p>10.4.1 (7)</p>	<p>Governmental agencies and resources providing assistance during an incident involving criminal or terrorist activities,</p> <p>A. Resources</p> <ol style="list-style-type: none"> 1. Federal Bureau of Investigation (FBI) 2. Bureau of Alcohol, Tobacco and Firearms (BATF) 3. National Guard Civil Support Teams (CST) 4. State and local criminal investigation agencies <p>B. Role and type of assistance available</p>	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>
<p>014</p>	<p>10.4.2</p>	<p>Criteria and factors for directing both private and governmental resources</p> <p>A. Task assignment</p> <p>B. Operational safety</p> <p>C. Operational effectiveness</p> <p>D. Planning support</p> <p>E. Information/research</p> <p>F. Logistical support</p> <p>G. Administrative support</p>	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 3</p> <p>Local Policies</p>
<p>015</p>	<p>10.4.3</p>	<p>Providing a focal point for the information transfer to media and elected officials</p> <p>A. Policy for providing information to the media should be included in local emergency response plan and standard operating procedures</p> <p>B. Accurate information can prevent public panic</p> <p>C. Media can assist in a hazardous materials incident</p> <p>D. Responsibilities of the Public Information Officer (PIO)</p> <ol style="list-style-type: none"> 1. Part of incident commanders staff 2. Spokesperson for the incident 3. Establishes press area in safe location 4. Provide escorts if necessary 	<p><i>Response Handbook</i> Chapters 8 & 10</p> <p>Local Policies</p>

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P.O # 5: Given a copy of the LERP identify the requirements of the plan, including the required procedures for notification and utilization of non-local resources.

P.O #6: Given a simulated hazardous materials / WMD incident and the necessary resources to implement the planned response, demonstrate the ability to direct the hazardous materials branch / group resources in a safe and efficient manner consistent with the capabilities of those resources.

P.O #7: Given a simulated hazardous materials / WMD incident, demonstrate the ability to act as a resource to provide information to the incident commander or the public information officer for distribution to the media and local, state, and federal officials.

Unit 5: Evaluating Progress

Objective: Given the *Hazardous Materials Response Handbook*, *Hazardous Materials: Managing the Incident*, and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to successfully evaluate progress.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
016	10.5 (1)	Evaluate the effectiveness of action options in accomplishing objectives	
		A. Considerations of the incident <ol style="list-style-type: none"> 1. Is the incident stabilizing? 2. Is the incident increasing in intensity? 	<i>Response Handbook</i> Chapters 8 & 10
	10.5 (2)	B. Comparing actual behavior <ol style="list-style-type: none"> 1. Is incident happening as predicted? 2. Is incident occurring out of sequence? 3. Is incident happening differently than expected? 	<i>Managing the Incident</i> Chapter 7 & 10 Local Policies
	10.5 (3)	C. Determine the effectiveness of <ol style="list-style-type: none"> 1. Hazardous materials/WMD response personnel being used 2. Personal protective equipment 3. Established control zones 4. Control, containment, or confinement operations 5. Decontamination process 	
	10.5 (4)	D. Make modifications to the incident action plan	

P.O # 8: Given scenarios involving hazardous materials/WMD incidents, evaluate the progress of the plan of action to determine whether the efforts are accomplishing the response objectives.

Unit 6: Terminating the Incident

Objective: Given the *Hazardous Materials Response Handbook, Hazardous Materials: Managing the Incident*, and this Instructor Guide Sheet, review the general knowledge/skill requirements to obtain the necessary knowledge and skills to successfully terminate the incident.

<i>Learning Objective</i>	<i>NFPA Objective</i>	<i>Topical Areas</i>	<i>Reference</i>
017	10.6.1 (1)	Steps in terminating the emergency phase of an incident A. Transfer command B. Debriefing C. Critiquing the incident D. After action activities, such as restocking any disposables or damaged equipment	<i>Response Handbook</i> Chapter 10 <i>Managing the Incident</i> Chapter 12
018	10.6.1 (2) 10.6.2 (5)	Procedures for conducting a debriefing A. Identified in local emergency response plan and standard operating procedures B. Not a critique C. Gather incident information D. Document incident information	<i>Response Handbook</i> Chapter 10 <i>Managing the Incident</i> Chapter 12 Local Policies
019	10.6.2.1	Components of an effective debriefing A. Identify who responded B. What responders did C. Document injuries D. Indicate medical follow-up E. Equipment damage F. Note unsafe conditions	<i>Response Handbook</i> Chapter 10 <i>Managing the Incident</i> Chapter 12

020	10.6.2 (2)	<p>Key topics in an effective debriefing</p> <ul style="list-style-type: none"> A. Identity of materials B. Signs and symptoms of exposure C. Signs of critical incident stress D. The duration of a recommended observation period for signs and symptoms E. Procedures to follow in the event of delayed presentation of signs and symptoms F. Post incident medical contact G. Safety and health hazards remaining at the site 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p>
021	10.6.2 (3)	<p>When a debriefing should take place</p> <ul style="list-style-type: none"> A. Identified in local emergency response plan and standard operating procedures B. As soon as practical so that responders still have a fresh recall of all the incident details. May be at scene or upon return to quarters. 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>
022	10.6.2 (4)	<p>Who should be involved in a debriefing</p> <ul style="list-style-type: none"> A. Identified in local emergency response plan and standard operating procedures B. Determined by the incident commander 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>
023	10.6.3 (1)	<p>Components of an effective critique</p> <ul style="list-style-type: none"> A. Identified in local emergency response plan and standard operating procedures B. Reviews incident to identify and document lessons learned C. What worked well and what did not D. Positive process that allows for modifications of response procedure 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>

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<p>024</p>	<p>10.6.3 (2)</p>	<p>Who should be involved in a critique</p> <ul style="list-style-type: none"> A. Identified in local emergency response plan and standard operating procedures B. Incident Commander should hold initial meeting to identify specific personnel to participate C. Representatives from all responding agencies or groups 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>
<p>025</p>	<p>10.6.3 (3)</p>	<p>Necessity of an effective critique</p> <ul style="list-style-type: none"> A. Provides opportunity to improve from lessons learned B. Improves safety and health of responders to future incidents 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p>
<p>026</p>	<p>10.6.3 (4)</p>	<p>Written documents that should be prepared as a result of a critique</p> <ul style="list-style-type: none"> A. Post-Incident Report B. Plan to address recommendations developed by the critique 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p>
<p>027</p>	<p>10.6.3.5</p>	<p>Implementing the procedure for conducting a critique</p> <ul style="list-style-type: none"> A. Identified in local emergency response plan and standard operating procedures B. Review response activities C. Determine what worked well and what did not D. Analyze the data E. Document the analysis 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>
<p>028</p>	<p>10.6.3.6</p>	<p>Post incident analysis of a hazardous materials/WMD incident</p> <ul style="list-style-type: none"> A. Local emergency response plan B. Standard operating procedures C. Federal, state, and local requirements 	<p><i>Response Handbook</i> Chapter 10</p> <p><i>Managing the Incident</i> Chapter 12</p> <p>Local Policies</p>

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032	10.6.4 (6)	<p>Procedures for legal documentation and chain-of-custody/ continuity</p> <p>A. Local emergency response plan</p> <p>B. Standard operating procedures</p>	<p><i>Response Handbook</i> Chapter 10</p> <p>Local Policies</p>
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<p>P.O # 9: Given a scenario involving hazardous materials/WMD incident, demonstrate the ability to terminate the emergency phase of the incident consistent with the LERP and organization's SOPs.</p>
<p>P.O #10: Given a scenario involving hazardous materials/WMD incident, demonstrate the ability to conduct a debriefing of the incident for all units assigned to the hazardous materials branch.</p>
<p>P.O #11: Given the details of a scenario involving hazardous materials/WMD incident, demonstrate the ability to conduct a critique of the incident for all units assigned to the hazardous materials branch / group.</p>
<p>P.O #12: Given an example of a hazardous materials/WMD incident, demonstrate the ability to report and document the incident consistent with the local, state, and federal requirements.</p>

References:

IFSTA, *Hazardous Materials Managing the Incident*, 3rd Edition, Fire Protection Publications, Oklahoma State University.

NFPA, *Hazardous Materials/Weapons of Mass Destruction Response Handbook*, 3rd Edition, 2008 Edition, National Fire Protection Association, Quincy, Massachusetts.

NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction*, 2008 Edition, National Fire Protection Association, Quincy, Massachusetts.

Student Notes

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