



**Standardized Curriculum Form
Ontario, Canada**

**Office of the Fire Marshal and Emergency Management
Curriculum based on
NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition**

**Hazardous Materials/Weapons of Mass
Destruction
Mission Specific Competencies
(Chapter 6)**

**National Fire Protection Association Standard for Competence
of Responders to Hazardous Materials/Weapons of Mass
Destruction Incidents**

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Components of the Office of the Fire Marshal and Emergency Management Standardized Curriculum Form

The Office of the Fire Marshal and Emergency Management (OFMEM) Standardized Curriculum Forms in Ontario, Canada, are based on internationally-recognized, competency-based, professional qualifications standards through the National Fire Protection Association (NFPA). Columns within this form from pages 4 and onward are composed of:

NFPA Objective

National Fire Protection Association Objectives are major competencies and Job Performance Requirements (JPR) within a professional qualifications standard that learners must acquire before successful completion of voluntary testing and certification. To attain these competencies, the OFMEM is offering flexible training delivery models centered on being accessible, attainable, and affordable.

Requisite Knowledge

Requisite Knowledge is defined as “Fundamental knowledge one must have in order to perform a specific task”. This can be acquired by referring to the various suggested readings described below. Information used to construct multiple choice test questions in the Provincial Certification Exam for HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6) are derived from these materials.

Requisite Skills

Requisite Skills are defined as “The essential skills one must have in order to perform a specific task”. This can be acquired by referring to the various suggested readings described below along with the latest version of the Office of the Fire Marshal and Emergency Management’s Skills Sheets Booklet for HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6). This booklet is used by Provincial Examiners to test Requisite Skill requirements for those voluntarily seeking certification to NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition.

Suggested Readings

Multiple choice test bank questions in the Provincial Certification Exam for HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6) are derived from the following suggested readings:

<u>Publisher/Title/Edition</u>	<u>Key Word Reference</u>
1. NFPA 472, <i>Standards for Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents</i> , 2013 Edition	NFPA 472, 2013 Ed.
2. DOT, <i>Emergency Response Guidebook</i> , 2016 Edition	ERG, 2016 Ed.
AND	
3. IFSTA, <i>Hazardous Materials for First Responders</i> , 4 th Edition	IFSTA HMFR, 4 th Ed.
OR	
4. Jones and Bartlett, <i>Hazardous Materials Awareness and Operations</i> , 2 nd Edition	J&B HMAO, 2 nd Ed.

Knowledge Test Weighting (Out of 100%)

This column references percentage of multiple choice questions that will appear on the Provincial Certification Exam for knowledge-based testing for HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6).

Questions are validated by a Provincial Advisory Committee (PAC), and used for voluntary, knowledge-based testing of those seeking certification to NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition through the Academic Standards and Evaluation Section of the Office of the Fire Marshal and Emergency Management. A mark of 70% or better is required to receive a “Pass” on the knowledge test.

Skill Sheet #

This column references skill objectives that will be evaluated by the Office of the Fire Marshal and Emergency Management, to test Requisite Skill requirements of HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6) for those voluntarily seeking certification to NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition.

**Provincial Advisory Committee for HAZARDOUS MATERIALS/WMD
MISSION-SPECIFIC COMPETENCIES (Chapter 6)
NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition**

This document has been reviewed and signed-off by the following representatives of the Office of the Fire Marshal and Emergency Management (OFMEM) in Ontario, Canada:

Educational Consultant Academic Standards and Evaluation Section	Date
Educational Consultant Academic Standards and Evaluation Section	Date
Section Manager Academic Standards and Evaluation Section	Date
Fire Marshal and Chief, Emergency Management Ministry of Community Safety and Correctional Services	Date

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Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



Course: HAZARDOUS MATERIALS/WMD MISSION SPECIFIC COMPETENCIES (Chapter 6)

Standard: NFPA 472, Chapter 6.3, 6.4, 6.7, 6.8 and 6.9, 2013 Edition

NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
Chapter 6.3 - Mission-Specific Competencies: Mass Decontamination					
6.3 Mission-Specific Competencies: Mass Decontamination					
6.3.1 General					
6.3.1.1 Introduction					
6.3.1.1.1					
The operations level responder assigned to perform mass decontamination at hazardous materials/WMD incidents shall be that person, competent at the operations level, who is assigned to implement mass decontamination operations at hazardous materials/WMD incidents.					
6.3.1.1.2					
The operations level responder assigned to perform mass decontamination at hazardous materials/WMD incidents shall be trained to meet all competencies at the awareness level (Chapter 4), all core competencies at the operations level (Chapter 5), all mission-specific competencies for personal protective equipment (<i>see Section 6.2</i>), and all competencies in this section.					
6.3.1.1.3					
The operations level responder assigned to perform mass decontamination at hazardous materials/WMD incidents shall operate under the guidance of a					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
hazardous materials technician, an allied professional, or standard operating procedures.					
6.3.1.1.4					
The operations level responder assigned to perform mass decontamination at hazardous materials/WMD incidents shall receive the additional training necessary to meet specific needs of the jurisdiction.					
6.3.1.2 Goal					
6.3.1.2.1					
The goal of the competencies in this section shall be to provide the operations level responder assigned to perform mass decontamination at hazardous materials/WMD incidents with the knowledge and skills to perform the tasks in 6.3.1.2.2 safely and effectively.					
6.3.1.2.2					
When responding to hazardous materials/WMD incidents, the operations level responder assigned to perform mass decontamination shall be able to perform the following tasks:					
(1) Plan a response within the capabilities of available personnel, personal protective equipment, and control equipment by selecting a mass decontamination process to minimize the hazard.					
(2) Implement the planned response to favorably change the outcomes consistent with standard operating procedures and the site safety and control plan by completing the following tasks:					
(a) Perform the decontamination duties as assigned.					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
(b) Perform the mass decontamination functions identified in the incident action plan.					
(3) Evaluate the progress of the planned response by evaluating the effectiveness of the mass decontamination process.					
(4) Terminate the incident by providing reports and documentation of decontamination operations.					
6.3.2 Competencies - Analyzing the Incident (Reserved)					
6.3.3 Competencies - Planning the Response					
6.3.3.1 Selecting Personal Protective Equipment					
	Given an emergency response plan or standard operating procedures and the personal protective equipment provided by the AHJ, the operations level responder assigned to mass decontamination shall select the personal protective equipment required to support mass decontamination at hazardous materials/WMD incidents based on local procedures (<i>see Section 6.2</i>).		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10		Objective I
6.3.3.2 Selecting Decontamination Procedures					
Given scenarios involving hazardous materials/WMD incidents, the operations level responder assigned to mass decontamination operations shall select a mass decontamination procedure that will minimize the hazard and spread of contamination, determine the equipment required to implement that procedure, and meet the following requirements:	(1) Identify the advantages and limitations of mass decontamination operations		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10	40% of questions	
	(2) Describe the advantages and limitations of each of the following mass decontamination				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	methods: (a) Dilution (b) Isolation (c) Washing (3) Identify sources of information for determining the correct mass decontamination procedure and identify how to access those resources in a hazardous materials/WMD incident (4) Given resources provided by the AHJ, identify the supplies and equipment required to set up and implement mass decontamination operations (5) Identify procedures, equipment, and safety precautions for communicating with crowds and crowd management techniques that can be used at incidents where a large number of people might be contaminated				
6.3.4 Competencies - Implementing the Planned Response					
6.3.4.1 Performing Incident Management Duties					
		Given a scenario involving a hazardous materials/WMD incident and the emergency response plan or standard operating procedures, the operations level responder assigned to mass decontamination operations shall demonstrate the mass decontamination duties assigned in the incident action plan by describing the local procedures for the implementation of the mass decontamination function within the incident command system.	IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10		
6.3.4.2 Performing Decontamination Operations					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
Identified in Incident Action Plan					
		The operations level responder assigned to mass decontamination operations shall demonstrate the ability to set up and implement mass decontamination operations for ambulatory and nonambulatory victims.	IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10		Objective II
6.3.5 Competencies - Evaluating Progress					
6.3.5.1 Evaluating the Effectiveness of the Mass Decontamination Process					
	Given examples of contaminated items that have undergone the required decontamination, the operations level responder assigned to mass decontamination operations shall identify procedures for determining whether the items have been fully decontaminated according to the standard operating procedures of the AHJ or the incident action plan.		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10	20% of questions	
6.3.6 Competencies - Terminating the Incident					
6.3.6.1 Reporting and Documenting the Incident					
Given a scenario involving a hazardous materials/WMD incident, the operations level responder assigned to mass decontamination operations shall document the mass decontamination activities as required by the AHJ by completing the following:	(1) Identify the reports and supporting documentation required by the emergency response plan or standard operating procedures.		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 10	40% of questions	
	(2) Describe the importance of personnel exposure records.				
	(3) Identify the steps in keeping an activity log and exposure records.				
	(4) Identify the requirements for filing				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	documents and maintaining records.				
Chapter 6.4 - Mission-Specific Competencies: Technical Decontamination					
6.4 Mission-Specific Competencies: Technical Decontamination					
6.4.1 General					
6.4.1.1 Introduction					
6.4.1.1.1					
The operations level responder assigned to perform technical decontamination at hazardous materials/WMD incidents shall be that person, competent at the operations level, who is assigned to implement technical decontamination operations at hazardous materials/WMD incidents.					
6.4.1.1.2					
The operations level responder assigned to perform technical decontamination at hazardous materials/WMD incidents shall be trained to meet all competencies at the awareness level (<i>see Chapter 4</i>), all core competencies at the operations level (<i>see Chapter 5</i>), all mission-specific competencies for personal protective equipment (<i>see Section 6.2</i>), and all competencies in this section.					
6.4.1.1.3					
The operations level responder assigned to perform technical decontamination at hazardous materials/WMD incidents shall operate under the guidance of a hazardous materials technician, an allied professional, or standard operating procedures.					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
6.4.1.1.4					
The operations level responder assigned to perform technical decontamination at hazardous materials/WMD incidents shall receive the additional training necessary to meet specific needs of the jurisdiction.					
6.4.1.2 Goal					
6.4.1.2.1					
The goal of the competencies in this section shall be to provide the operations level responder assigned to perform technical decontamination at hazardous materials/WMD incidents with the knowledge and skills to perform the tasks in 6.4.1.2.2 safely and effectively.					
6.4.1.2.2					
When responding to hazardous materials/WMD incidents, the operations level responder assigned to perform technical decontamination shall be able to perform the following tasks:					
(1) Plan a response within the capabilities of available personnel, personal protective equipment, and control equipment by selecting a technical decontamination process to minimize the hazard.					
(2) Implement the planned response to favorably change the outcomes consistent with standard operating procedures and the site safety and control plan by completing the following tasks:					
(a) Perform the technical decontamination duties as assigned.					
(b) Perform the technical decontamination					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
functions identified in the incident action plan.					
(3) Evaluate the progress of the planned response by evaluating the effectiveness of the technical decontamination process.					
(4) Terminate the incident by completing the providing reports and documentation of decontamination operations.					
6.4.2 Competencies - Analyzing the Incident (Reserved)					
6.4.3 Competencies - Planning the Response					
6.4.3.1 Selecting Personal Protective Equipment					
	Given an emergency response plan or standard operating procedures and the personal protective equipment provided by the AHJ, the operations level responder assigned to technical decontamination operations shall select the personal protective equipment required to support technical decontamination at hazardous materials/WMD incidents based on local procedures (<i>see Section 6.2</i>).		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9	20% of questions	Objective I
6.4.3.2 Selecting Decontamination Procedures					
Given scenarios involving hazardous materials/WMD incidents, the operations level responder assigned to technical decontamination operations shall select a technical decontamination procedure that will minimize the hazard and spread of contamination and determine the equipment required to implement that procedure by completing the following requirements:	(1) Identify the advantages and limitations of technical decontamination operations.		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9	20% of questions	
	(2) Describe the advantages and limitations of each of the following technical				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	<p>decontamination methods:</p> <p>(a) Absorption</p> <p>(b) Adsorption</p> <p>(c) Chemical degradation</p> <p>(d) Dilution</p> <p>(e) Disinfection</p> <p>(f) Evaporation</p> <p>(g) Isolation and disposal</p> <p>(h) Neutralization</p> <p>(i) Solidification</p> <p>(j) Sterilization</p> <p>(k) Vacuuming</p> <p>(l) Washing</p> <p>(3) Identify sources of information for determining the correct technical decontamination procedure and identify how to access those resources in a hazardous materials/WMD incident.</p> <p>(4) Given resources provided by the AHJ, identify the supplies and equipment required to set up and implement technical decontamination operations.</p> <p>(5) Identify the procedures, equipment, and safety precautions for processing evidence during technical decontamination operations at hazardous materials/WMD incidents.</p> <p>(6) Identify procedures, equipment, and safety precautions for handling tools, equipment, weapons, criminal suspects, and law enforcement/search canines brought to the</p>				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	decontamination corridor at hazardous materials/WMD incidents.				
6.4.4 Competencies - Implementing the Planned Response					
6.4.4.1 Performing Incident Management Duties					
Given a scenario involving a hazardous materials/WMD incident and the emergency response plan or standard operating procedures, the operations level responder assigned to technical decontamination operations shall demonstrate the technical decontamination duties assigned in the incident action plan by completing the following requirements:	(1) Identify the role of the operations level responder assigned to technical decontamination operations during hazardous materials/WMD incidents.		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9	20% of questions	
	(2) Describe the procedures for implementing technical decontamination operations within the incident command system.				
6.4.4.2 Performing Decontamination Operations Identified in Incident Action Plan					
The responder assigned to technical decontamination operations shall demonstrate the ability to set up and implement the following types of decontamination operations:		(1) Technical decontamination operations in support of entry operations	IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9		Objective II
		(2) Technical decontamination operations for ambulatory and nonambulatory victims			
6.4.5 Competencies - Evaluating Progress					
6.4.5.1 Evaluating the Effectiveness of the Technical Decontamination Process					
	Given examples of contaminated items that have undergone the required decontamination, the operations level responder assigned to technical decontamination operations shall identify procedures for determining whether the items have		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9	20% of questions	



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	been fully decontaminated according to the standard operating procedures of the AHJ or the incident action plan.				
6.4.6 Competencies - Terminating the Incident					
6.4.6.1 Reporting and Documenting the Incident					
Given a scenario involving a hazardous materials/WMD incident, the operations level responder assigned to technical decontamination operations shall document the mass decontamination activities as required by the AHJ by completing the following:	(1) Identify the reports and supporting technical documentation required by the emergency response plan or standard operating procedures		IFSTA HMFR, 4th Ed. Chapter 9 J&B HMAO, 2nd Ed. Chapter 9	20% of questions	
	(2) Describe the importance of personnel exposure records				
	(3) Identify the steps in keeping an activity log and exposure records				
	(4) Identify the requirements for filing documents and maintaining records				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
Chapter 6.7 - Mission-Specific Competencies: Air Monitoring and Sampling					
6.7 Mission-Specific Competencies: Air Monitoring and Sampling					
6.7.1 General					
6.7.1.1 Introduction					
6.7.1.1.1					
The operations level responder assigned to perform air monitoring and sampling shall be that person, competent at the operations level, who is assigned to implement air monitoring and sampling operations at hazardous materials/WMD incidents.					
6.7.1.1.2					
The operations level responder assigned to perform air monitoring and sampling at hazardous materials/WMD incidents shall be trained to meet all competencies at the awareness level (<i>see Chapter 4</i>), all core competencies at the operations level (<i>see Chapter 5</i>), all mission-specific competencies for personal protective equipment (<i>see Section 6.2</i>), and all competencies in this section.					
6.7.1.1.3					
The operations level responder assigned to perform air monitoring and sampling at hazardous materials/WMD incidents shall operate under the guidance of a hazardous materials technician, an allied professional, or standard operating procedures.					
6.7.1.1.4					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
The operations level responder assigned to perform air monitoring and sampling at hazardous materials/WMD incidents shall receive the additional training necessary to meet specific needs of the jurisdiction.					
6.7.1.2 Goal					
6.7.1.2.1					
The goal of the competencies in this section shall be to provide the operations level responder assigned to air monitoring and sampling at hazardous materials/WMD incidents with the knowledge and skills to perform the tasks in 6.7.1.2.2 safely and effectively.					
6.7.1.2.2					
When responding to hazardous materials/WMD incidents, the operations level responder assigned to perform air monitoring and sampling shall be able to perform the following tasks:					
(1) Plan the air monitoring and sampling activities within the capabilities and competencies of available personnel, personal protective equipment, and control equipment and in accordance with the emergency response plan or standard operating procedures describe the air monitoring and sampling options available to the operations level responder.					
(2) Implement the air monitoring and sampling activities as specified in the incident action plan.					
6.7.2 Competencies - Analyzing the Incident (Reserved)					
6.7.3 Competencies - Planning the Response					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
6.7.3.1					
	Given the air monitoring and sampling equipment provided by the AHJ, the operations level responder assigned to perform air monitoring and sampling shall select the detection or monitoring equipment suitable for detecting or monitoring solid, liquid, or gaseous hazardous materials/WMD.		IFSTA HMFR, 4 th Ed. Chapter 11 J&B HMAO, 2 nd Ed. Chapter 15	25% of questions	Objective 1
6.7.3.2					
	Given detection and monitoring device(s) provided by the AHJ, the operations level responder assigned to perform air monitoring and sampling shall describe the operation, capabilities and limitations, local monitoring procedures, field testing, and maintenance procedures associated with each device.		IFSTA HMFR, 4 th Ed. Chapter 11 J&B HMAO, 2 nd Ed. Chapter 15	25% of questions	
6.7.3.3 Selecting Personal Protective Equipment (PPE)					
	Given the PPE provided by the AHJ, the operations level responder assigned to perform air monitoring and sampling shall select the personal protective equipment required to support air monitoring and sampling at hazardous materials/WMD incidents based on local procedures (<i>see Section 6.2</i>).		IFSTA HMFR, 4 th Ed. Chapter 11 J&B HMAO, 2 nd Ed. Chapter 15	25% of questions	Objective 2
6.7.4 Competencies - Implementing the Planned Response					
6.7.4.1					
		Given a scenario involving hazardous materials/WMD and detection and monitoring devices provided by the AHJ, the operations level responder assigned to perform air monitoring and sampling shall demonstrate the field test and	IFSTA HMFR, 4 th Ed. Chapter 11 J&B HMAO, 2 nd Ed. Chapter 15		Objective 3



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
		operation of each device and interpret the readings based on local procedures.			
6.7.4.2					
	The operations level responder assigned to perform air monitoring and sampling shall describe local procedures for decontamination of themselves and their detection and monitoring devices upon completion of the air monitoring mission.		IFSTA HMFR, 4th Ed. Chapters 9, 11 J&B HMAO, 2nd Ed. Chapter 15	25% of questions	
6.7.5 Competencies - Evaluating Progress (Reserved)					
6.7.6 Competencies - Terminating the Incident (Reserved)					
Chapter 6.8 - Mission-Specific Competencies: Victim Rescue and Recovery					
6.8 Mission-Specific Competencies: Victim Rescue and Recovery					
6.8.1 General					
6.8.1.1 Introduction					
6.8.1.1.1					
The operations level responder assigned to perform victim rescue and recovery shall be that person, competent at the operations level, who is assigned to rescue and recover exposed and contaminated victims at hazardous materials/WMD incidents.					
6.8.1.1.2					
The operations level responder assigned to perform victim rescue and recovery at hazardous materials/WMD incidents shall be trained to meet all competencies at the awareness level (<i>see Chapter 4</i>), all core competencies at the operations level (<i>see</i>					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
Chapter 5), all mission-specific competencies for personal protective equipment (see Section 6.2), and all competencies in this section.					
6.8.1.1.3					
The operations level responder assigned to perform victim rescue and recovery at hazardous materials/WMD incidents shall operate under the guidance of a hazardous materials technician, an allied professional, or standard operating procedures.					
6.8.1.1.4					
The operations level responder assigned to perform victim rescue and recovery at hazardous materials/WMD incidents shall receive the additional training necessary to meet specific needs of the jurisdiction.					
6.8.1.2 Goal					
6.8.1.2.1					
The goal of the competencies in this section shall be to provide the operations level responder assigned victim rescue and recovery at hazardous materials/WMD incidents with the knowledge and skills to perform the tasks in 6.8.1.2.2 safely and effectively.					
6.8.1.2.2					
When responding to hazardous materials/WMD incidents, the operations level responder assigned to perform victim rescue and recovery shall be able to perform the following tasks:					
(1) Plan a response for victim rescue and recovery operations involving the release of hazardous materials/WMD agent within the					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
capabilities of available personnel and personal protective equipment.					
(2) Implement the planned response to accomplish victim rescue and recovery operations within the capabilities of available personnel and personal protective equipment.					
6.8.2 Competencies - Analyzing the Incident (Reserved)					
6.8.3 Competencies - Planning the Response					
6.8.3.1					
Given scenarios involving hazardous materials/WMD incidents, the operations level responder assigned to victim rescue and recovery shall determine the feasibility of conducting victim rescue and recovery operations at an incident involving a hazardous material/WMD and shall be able to perform the following tasks:	(1) Determine the feasibility of conducting rescue and recovery operations.		IFSTA HMFR, 4th Ed. Chapter 12 J&B HMAO, 2nd Ed. Chapter 13	40% of questions	
	(2) Describe the safety procedures, tactical guidelines, and incident response considerations to effect a rescue associated with each of the following situations:				
	(a) Line-of-sight with ambulatory victims				
	(b) Line-of-sight with nonambulatory victims				
	(c) Non-line-of-sight with ambulatory victims				
	(d) Non-line-of-sight with nonambulatory victims				
	(e) Victim rescue operations versus				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	victim recovery operations				
	(3) Determine if the options are within the capabilities of available personnel and personal protective equipment.				
	(4) Describe the procedures for implementing victim rescue and recovery operations within the incident command system.				
6.8.3.2 Selecting Personal Protective Equipment (PPE)					
	Given the PPE provided by the AHJ, the operations level responder assigned to perform victim rescue and recovery shall select the personal protective equipment required to support victim rescue and recovery at hazardous materials/WMD incidents based on local procedures (<i>see Section 6.2</i>).		IFSTA HMFR, 4 th Ed. Chapter 8, 12 J&B HMAO, 2 nd Ed. Chapter 13	30% of questions	Objective 1
6.8.4 Competencies - Implementing the Planned Response					
6.8.4.1					
Given a scenario involving a hazardous material/WMD, the operations level responder assigned to victim rescue and recovery shall perform the following tasks:	(1) Identify the different team positions and describe their main functions.	(2) Select and use specialized rescue equipment and procedures provided by the AHJ to support victim rescue and recovery operations.	IFSTA HMFR, 4 th Ed. Chapter 12 J&B HMAO, 2 nd Ed. Chapter 13	30% of questions	Objective 2
	(5) Describe local procedures for performing decontamination upon completion of the victim rescue and removal mission.	(3) Demonstrate safe and effective methods for victim rescue and recovery.			
		(4) Demonstrate the ability to triage victims.			
6.8.5 Competencies - Evaluating Progress (Reserved)					
6.8.6 Competencies - Terminating the Incident (Reserved)					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
Chapter 6.9 - Mission-Specific Competencies: Response to Illicit Laboratory Incidents					
6.9 Mission-Specific Competencies: Response to Illicit Laboratory Incidents					
6.9.1 General					
6.9.1.1 Introduction					
6.9.1.1.1					
The operations level responder assigned to respond to illicit laboratory incidents shall be that person, competent at the operations level, who, at hazardous materials/WMD incidents involving potential violations of criminal statutes specific to the illegal manufacture of methamphetamines, other drugs, or WMD, is assigned to secure the scene, identify the laboratory or process, and preserve evidence at hazardous materials/WMD incidents involving potential violations of criminal statutes specific to the illegal manufacture of methamphetamines, other drugs, or WMD.					
6.9.1.1.2					
The operations level responder who responds to illicit laboratory incidents shall be trained to meet all competencies at the awareness level (Chapter 4), all core competencies at the operations level (Chapter 5), all mission-specific competencies for personal protective equipment (Section 6.2), and all competencies in this section.					
6.9.1.1.3					
The operations level responder who responds to illicit laboratory incidents shall operate under the guidance of a hazardous materials technician, an					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
allied professional, or standard operating procedures.					
6.9.1.1.4					
The operations level responder who responds to illicit laboratory incidents shall receive the additional training necessary to meet specific needs of the jurisdiction.					
6.9.1.2 Goal					
6.9.1.2.1					
The goal of the competencies in this section shall be to provide the operations level responder assigned to respond to illicit laboratory incidents with the knowledge and skills to perform the tasks in <u>6.9.1.2.2</u> safely and effectively.					
6.9.1.2.2					
When responding to hazardous materials/WMD incidents, the operations level responder assigned to respond to illicit laboratory incidents shall be able to perform the following tasks:					
(1) Analyze a hazardous materials/WMD incident to determine the complexity of the problem and potential outcomes and whether the incident is potentially a criminal illicit laboratory operation.					
(2) Plan a response for a hazardous materials/WMD incident involving potential illicit laboratory operations in compliance with evidence preservation operations within the capabilities and competencies of available personnel, personal protective equipment, and control equipment after notifying the responsible law enforcement					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
agencies of the problem.					
(3) Implement the planned response to a hazardous materials/WMD incident involving potential illicit laboratory operations utilizing applicable evidence preservation guidelines.					
6.9.2 Competencies - Analyzing the Incident					
6.9.2.1 Determining If a Hazardous Materials/WMD Incident Is an Illicit Laboratory Operation					
Given examples of hazardous materials/WMD incidents involving illicit laboratory operations, the operations level responder assigned to respond to illicit laboratory incidents shall identify the potential drugs/WMD being manufactured by completing the following related requirements:	(1) Given examples of illicit drug manufacturing methods, describe the operational considerations, hazards, and products involved in the illicit process.		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	15% of questions	
	(2) Given examples of illicit chemical WMD methods, describe the operational considerations, hazards, and products involved in the illicit process.				
	(3) Given examples of illicit biological WMD methods, describe the operational considerations, hazards, and products involved in the illicit process.				
	(4) Given examples of illicit laboratory operations, describe the potential booby traps that have been encountered by response personnel.				
	(5) Given examples of illicit laboratory operations, describe the agencies that have investigative authority and operational				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	responsibility to support the response.				
6.9.3 Competencies - Planning the Response					
6.9.3.1 Determining the Response Options					
	Given an analysis of hazardous materials/WMD incidents involving illicit laboratories, the operations level responder assigned to respond to illicit laboratory incidents shall identify possible response options.		IFSTA HMFR, 4 th Ed. Chapter 14 J&B HMAO, 2 nd Ed. Chapter 14	5% of questions	
6.9.3.2 Identifying Unique Aspects of Criminal Hazardous Materials/WMD Incidents					
6.9.3.2.1					
	The operations level responder assigned to respond to illicit laboratory incidents shall identify the unique operational aspects associated with illicit drug manufacturing and illicit WMD manufacturing.		IFSTA HMFR, 4 th Ed. Chapter 14 J&B HMAO, 2 nd Ed. Chapter 14	5% of questions	
6.9.3.2.2					
Given an incident involving illicit drug manufacturing or illicit WMD manufacturing, the operations level responder assigned to illicit laboratory incidents shall describe the following tasks:	(1) Law enforcement securing and preserving the scene		IFSTA HMFR, 4 th Ed. Chapter 14 J&B HMAO, 2 nd Ed. Chapter 14	15% of questions	
	(2) Joint hazardous materials and EOD personnel site reconnaissance and hazard identification				
	(3) Determining atmospheric hazards through air monitoring and detection				
	(4) Mitigation of immediate hazards while preserving evidence				
	(5) Coordinated crime scene operation with the law enforcement agency having				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	investigative authority				
	(6) Documenting personnel and scene activities associated with incident				
6.9.3.3 Identifying the Law Enforcement Agency That Has Investigative Jurisdiction					
The operations level responder assigned to respond to illicit laboratory incidents shall identify the law enforcement agency having investigative jurisdiction by completing the following:	(1) Given scenarios involving illicit drug manufacturing or illicit WMD manufacturing, identify the law enforcement agency(s) with investigative authority for the following situations:		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	10% of questions	
	(a) Illicit drug manufacturing				
	(b) Illicit WMD manufacturing				
	(c) Environmental crimes resulting from illicit laboratory operations				
6.9.3.4 Identifying Unique Tasks and Operations at Sites Involving Illicit Laboratories					
6.9.3.4.1					
	The operations level responder assigned to respond to illicit laboratory incidents shall identify and describe the unique tasks and operations encountered at illicit laboratory scenes.		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	5% of questions	
6.9.3.4.2					
Given scenarios involving illicit drug manufacturing or illicit WMD manufacturing, describe the following:	(1) Hazards, safety procedures, and tactical guidelines for this type of emergency		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	15% of questions	
	(2) Factors to be evaluated in selection of the appropriate personal protective equipment for each type of tactical operation				
	(3) Factors to be considered in selection of appropriate decontamination procedures				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	(4) Factors to be evaluated in the selection of detection devices				
	(5) Factors to be considered in the development of a remediation plan				
6.9.3.5 Selecting Personal Protective Equipment (PPE)					
	Given the PPE provided by the AHJ, the operations level responder assigned to respond to illicit laboratory incidents shall select the personal protective equipment required to respond to illicit laboratory incidents based on local procedures. (See Section 6.2)		IFSTA HMFR, 4 th Ed. Chapter 14 J&B HMAO, 2 nd Ed. Chapter 14	5% of questions	Objective 1
6.9.4 Competencies - Implementing the Planned Response					
6.9.4.1 Implementing the Planned Response					
		Given scenarios involving an illicit drug/WMD laboratory operation involving hazardous materials/WMD, the operations level responder assigned to respond to illicit laboratory incidents shall implement or oversee the implementation of the selected response options safely and effectively.	IFSTA HMFR, 4 th Ed. Chapters 3, 9, 14 J&B HMAO, 2 nd Ed. Chapter 14		Objective 2
6.9.4.1.1					
Given a simulated illicit drug/WMD laboratory incident, the operations level responder assigned to respond to illicit laboratory incidents shall be able to perform the following tasks:	(1) Describe safe and effective methods for law enforcement to secure the scene.	(2) Demonstrate decontamination procedures for tactical law enforcement personnel (SWAT or K-9) securing an illicit laboratory.	IFSTA HMFR, 4 th Ed. Chapters 3, 9, 14 J&B HMAO, 2 nd Ed. Chapter 14	10% of questions	Objective 3
	(3) Describe methods to identify and avoid potential unique safety hazards found at illicit laboratories such as booby traps and releases of hazardous materials.				
	(4) Describe methods to conduct joint hazardous materials/EOD operations to				



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
	identify safety hazards and implement control procedures.				
6.9.4.1.2					
Given a simulated illicit drug/WMD laboratory entry operation, the operations level responder assigned to respond to illicit laboratory incidents shall demonstrate methods of identifying the following during reconnaissance operations:		(1) Potential manufacture of illicit drugs	IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14		
	(2) Potential manufacture of illicit WMD materials				
	(3) Potential environmental crimes associated with the manufacture of illicit drugs/WMD materials				
6.9.4.1.3					
	Given a simulated illicit drug/WMD laboratory incident, the operations level responder assigned to respond to illicit laboratory incidents shall describe joint agency crime scene operations, including support to forensic crime scene processing teams.		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	5% of questions	
6.9.4.1.4					
	Given a simulated illicit drug/WMD laboratory incident, the operations level responder assigned to respond to illicit laboratory incidents shall describe the policy and procedures for post-crime scene processing and site remediation operations.		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	5% of questions	
6.9.4.1.5					
	The operations level responder assigned to respond to illicit laboratory incidents shall be able to describe local procedures for performing decontamination upon completion of the illicit laboratory mission.		IFSTA HMFR, 4th Ed. Chapter 14 J&B HMAO, 2nd Ed. Chapter 14	5% of questions	
6.9.5 Competencies - Evaluating Progress					



Office of the Fire Marshal and Emergency Management Standardized Curriculum Form



NFPA Objective	Requisite Knowledge	Requisite Skills	Suggested Readings	Knowledge Test Weighting	Skill Sheet #
(Reserved)					
6.9.6 Competencies - Terminating the Incident					
(Reserved)					