



HAZARDOUS MATERIALS OPERATIONS

- 5.1 CORE COMPETENCIES**
- 5.1.2.2 Analyze a Hazardous Materials/WMD Incident**
- 5.5.2 Communicate the status of the planned response**

Evaluation Sheet:
5.1.2.2: 5.5.2
Skill Sheet: A

Candidate: _____
Birth Date
Mo Day Yr _____

Date: _____
Last 4 digits of SS#: _____

STANDARD: 5.1.2.2 ; 5.5.2 NFPA 472, 2013 Edition	TASK: Given an incident involving a single known hazardous material/WMD incident, the operations first responder shall be able to perform the following tasks: identify containers and materials involved, determine if a release has occurred, evaluate surrounding conditions, estimate potential harm, plan an initial response, implement the planned response and evaluate the progress of actions taken.				
PERFORMANCE OUTCOME: Analyze a hazardous material/WMD incident to determine the scope of the problem and potential outcomes by completing the following: Survey the hazardous material/WMD to identify whether hazardous material/WMD have been released and evaluate the surrounding conditions, initiate a planned response, set up an incident management system, and evaluate actions taken.					
CONDITIONS: Given a scenario involving known hazardous materials in a container, interpret the hazard and response information obtained from the current edition of the North American Emergency Response Guidebook, safety data sheet (SDS) or material safety data sheets (MSDS), CHEMTREC/CANUTEC/SETIQ, and/or shipper/manufacturer contacts.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Collect hazard and response information from MSDS, SDS, CHEMTREC/CONUTEC/SETIQ: local, state and federal authorities; and shipper/manufacture contacts				
2.	Predict the likely behavior of the hazardous material/WMD and its container				
3.	Estimate the potential harm at a hazardous material/WMD incident				
4.	Plan an initial response to a of hazardous material/WMD incident within the capabilities and competencies of available personnel and personal protective equipment by: describing response objectives, describing response options available for each objective, determine whether the personal protective equipment provided is appropriate for implementing each option, describe emergency decon procedures, and develop a plan of action, including safety considerations.				
5.	Establish and enforce scene control procedures, including control zones, emergency decontamination, and communications				
6.	Implement the planned response consistent with the emergency response plan and/or standard operating procedures				
7.	Establish and enforce scene control				
8.	Where criminal or terrorist acts are suspected establish a means of evidence preservation				

(Continued next page)



HAZARDOUS MATERIALS OPERATIONS

5.1 CORE COMPETENCIES

5.1.2.2 Analyze a Hazardous Materials/WMD Incident *(continued)*

5.5.2 Communicate the status of the planned response

Evaluation Sheet:

5.1.2.2; 5.5.2

Skill Sheet: A

9.	Initiate an incident command system				
10.	Perform tasks assigned as identified in the action plan				
11.	Demonstrate emergency decontamination				
12.	Evaluate the progress of the actions taken at a hazardous materials/WMD incident to insure that the response objectives are being met safely, effectively and efficiently by; evaluating status of actions taken in accomplishing the response objectives				
13.	Communicate the status of the planned response				
14.	Describe circumstances under which it would be prudent to withdraw from a hazardous materials/WMD incident				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Risks and Hazards: thermal, mechanical, or chemical stress, type of breach, release, dispersion pattern, length of contact, health and physical hazards, short term, medium term, long term, etc.

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.1 CORE COMPETENCIES – ANALYZING THE INCIDENT

5.1.2.2,3,4 Surveying the Hazardous Materials/WMD Incidents

5.5.2 Communicating the Status of the Planned Response

Evaluation Sheet:

5.1.2.2(3) (4), 5.5.2

Skill Sheet: B

Candidate: _____

Date: _____

Birth Date _____

Last 4 digits of SS#: _____

Mo Day Yr _____

STANDARD: 5.1.2.2(3)(4); 5.5.2 NFPA 472, 2013 Edition		TASK: Implement the planned response for a hazardous materials/WMD incident to favorably change the outcomes consistent with the emergency response plan and/or standard operating procedures. Communicate the status of the planned response through the normal chain of command and notify the incident commander and other response personnel regarding critical emergency conditions.			
PERFORMANCE OUTCOME: The candidate will establish and enforce scene control procedures, establish means of evidence protection, work in an incident command system (ICS), and perform tasks assigned in the incident action plan.					
CONDITIONS: Given a scenario dealing with hazardous materials/WMD and critical emergency conditions, a North American Emergency Response Guidebook, an emergency response plan or SOP's, and an Incident Action Plan (IAP).					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Work in an Incident Command System (ICS) or initiate appropriate level of ICS for Hazardous Materials /WMD incidents				
2.	Perform tasks assigned in the Incident Action Plan (IAP) that are assigned by the Incident Commander or immediate supervisor				
3.	Establish scene control procedures (including control zones, emergency decontamination, and communications)				
4.	Enforce scene control procedures				
5.	Establish means of evidence protection where criminal or terrorist acts are suspected				
6.	Evaluate the status of the actions taken in accomplishing the response objectives				
7.	Communicate the status of the planned response through the normal chain of command				
8.	Notify the incident commander and other response personnel about critical emergency conditions at the incident				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.1.1 Surveying the Hazardous Materials/WMD Incident

Evaluation Sheet:
5.2.1.1

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.2.1.1 NFPA 472, 2013 Edition	TASK: Given three examples each of a liquid, gas, and solid hazardous materials or WMD, including various hazard classes, operations level personnel shall identify the general shapes of containers in which hazardous materials/WMD are typically found.				
PERFORMANCE OUTCOME: The candidate will identify three examples each of liquid, gas, and solid hazardous materials or WMD containers.					
CONDITIONS: Given diagrams or pictures of each type.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Liquid Container				
2.	Gas Container				
3.	Solid Container				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.1.1 Surveying the Hazardous Materials/WMD Incident

5.2.1.1.1

Candidate: _____ Date: _____
 Birth Date _____
 Mo Day Yr _____ Last 4 digits of SS#: _____

STANDARD: 5.2.1.1.1 NFPA 472, 2013 Edition	TASK: Given diagrams or pictures of different types of tank cars , the first responder will identify the three types of tank cars.				
PERFORMANCE OUTCOME: The candidate will identify these three types of tank cars: 1) Non-pressure tank car; 2) Pressure tank car; 3) Cryogenic liquid tank car.					
CONDITIONS: Given diagrams or pictures of at least one of each type of tank car.					
No.	TASK STEPS	FIRST TEST	RETEST		
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Non-pressure tank cars				
2.	Pressure tank cars				
3.	Cryogenic liquid tank cars				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1 Surveying the Hazardous Materials/WMD Incidents

5.2.1.1.2

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.1.2 NFPA 472, 2013 Edition	TASK: Given diagrams or pictures of intermodal tanks , the operations level responder shall identify the following: 1) Non-pressure intermodal tank; 2) Pressure intermodal tank; 3a) Cryogenic intermodal tank; 3b) tube modules.				
PERFORMANCE OUTCOME: The candidate will correctly identify non-pressure and pressurized intermodal containers.					
CONDITIONS: Given diagrams or pictures of different types of intermodal containers.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Non-pressure intermodal tanks				
2.	Pressurized intermodal tanks				
	Specialized intermodal tanks:				
3.	Cryogenic intermodal tank				
4.	Tube modules				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.1.1.3 Surveying the Hazardous Materials/WMD Incident

Evaluation Sheet:
5.2.1.1.3

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.2.1.1.3 NFPA 472, 2013 Edition	TASK: Given diagrams or pictures of cargo tanks , the operations level responder shall identify the following: 1) Compressed gas tube trailers; 2) Corrosive liquid tanks; 3) Cryogenic liquid tanks; 4) Dry bulk cargo tanks; 5) High pressure tanks; 6) Low pressure chemical tanks; 7) Non-pressure liquid tanks.				
PERFORMANCE OUTCOME: The candidate will correctly identify all cargo tanks presented.					
CONDITIONS: Given at least one picture or diagram of each of these types of cargo tanks: 1) Compressed gas tube trailers; 2) Corrosive liquid tanks; 3) Cryogenic liquid tanks; 4) Dry bulk cargo tanks; 5) High pressure tanks; 6) Low pressure chemical tanks; 7) Non-pressure liquid tanks.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Compressed gas tube trailers				
2.	Corrosive liquid cargo tanks				
3.	Cryogenic liquid cargo tanks				
4.	Dry bulk cargo tanks				
5.	High pressure cargo tanks				
6.	Low pressure chemical cargo tanks				
7.	Non-pressure liquid cargo tanks				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.1.1.4 Surveying the Hazardous Materials/WMD Incident

Evaluation Sheet:
5.2.1.1.4

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.2.1.1.4 NFPA 472, 2013 Edition		TASK: Given diagrams or pictures of storage tanks , the operations level responder, shall identify the following: 1) Cryogenic liquid tank; 2) Non-pressure tank; 3) Pressure tank.			
PERFORMANCE OUTCOME: The candidate will correctly identify all tanks presented.					
CONDITIONS: Given at least one picture or diagram of each of these types of tanks: 1) Cryogenic liquid tank; 2) Non-pressure tank; 3) Pressure tank.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Cryogenic liquid storage tank				
2.	Non-pressure storage tank				
3.	Pressure storage tank				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.1.5 Surveying the Hazardous Materials/WMD Incident

5.2.1.1.5

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.1.5 NFPA 472, 2013 Edition	TASK: Given diagrams or pictures of non-bulk packages , the operations level responder, shall identify the following: 1) Bags; 2) Carboys; 3) Cylinders; 4) Drums; 5) Dewar flask (cryogenic liquids).				
PERFORMANCE OUTCOME: The candidate will correctly identify all non-bulk packages presented.					
CONDITIONS: Given at least one picture or diagram of each of these types of non-bulk packages: 1) Bags; 2) Carboys; 3) Cylinders; 4) Drums; 5) Dewar flask (cryogenic liquids).					
No.	TASK STEPS	FIRST TEST	RETEST		
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Bags				
2.	Carboys				
3.	Cylinders				
4.	Drums				
5.	Dewar flask (cryogenic liquids)				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Evaluator **Date** **Re-Test Candidate** **Date**



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.1.1.6 Surveying the Hazardous Materials/WMD Incident

Evaluation Sheet:
5.2.1.1.6

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.2.1.1.6 NFPA 472, 2013 Edition	TASK: Given examples of the following packaging, the operations level responder shall identify the characteristics of each container or package by type as follows:				
PERFORMANCE OUTCOME: The candidate will correctly identify all containers presented.					
CONDITIONS: Given at least one picture or diagram of each of these types of tanks: 1) Intermediate bulk container (IBC); 2) Ton container					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Intermediate bulk container (IBC)				
2.	Ton container				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.1.7 Surveying the Hazardous Materials/WMD Incident

5.2.1.1.7

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.1.7 NFPA 472, 2013 Edition		TASK: Given pictures or diagrams of radioactive material containers , the operations level responder shall identify the following: 1) Excepted; 2) Industrial; 3) Type A; 4) Type B; 5) Type C.			
PERFORMANCE OUTCOME: The candidate will correctly identify all radioactive material containers presented.					
CONDITIONS: Given at least one picture or diagram of each of these types of radioactive material containers: 1) Excepted; 2) Industrial; 3) Type A; 4) Type B; 5) Type C.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Excepted radioactive material containers				
2.	Industrial radioactive material containers				
3.	Type A radioactive material containers				
4.	Type B radioactive material containers				
5.	Type C radioactive material containers				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign) Date Candidate Date

Re-Test Evaluator Date Re-Test Candidate Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.2.1 Surveying the Hazardous Materials/WMD Incident

5.2.1.2.1

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.2.1 NFPA 472, 2013 Edition		TASK: Given examples of the following marked transport vehicles and their corresponding shipping papers, the operations level responder shall identify the following vehicle or tank identification marking:.			
PERFORMANCE OUTCOME: The candidate will correctly identify all vehicle(s) or tank identification marking presented.					
CONDITIONS: Given 3 different chemical products, the current North American Emergency Response Guidebook, and pictures of a variety of vehicle(s) or tank identification marking.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Highway transport vehicles, including cargo tanks				
2.	Intermodal equipment, including tank cars/containers				
3.	Rail transport vehicles, including tank cars				
RETEST APPROVED BY: _____			RETEST EVALUATOR: _____		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Evaluator **Date** **Re-Test Candidate** **Date**



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.1.2 Surveying the Hazardous Materials/WMD Incident

5.2.1.2.2

Candidate: _____ Date: _____
 Birth Date _____
 Mo Day Yr _____ Last 4 digits of SS#: _____

STANDARD: 5.2.1.2.2 NFPA 472, 2013 Edition	TASK: Given diagrams or pictures of facility containers , the operations level responder shall match the product with the proper container.				
PERFORMANCE OUTCOME: The candidate will correctly identify all facility containers presented.					
CONDITIONS: Given 3 different chemical products, the current North American Emergency Response Guidebook, and pictures of a variety of containers.					
No.	TASK STEPS	FIRST TEST	RETEST		
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Product #1				
2.	Product #2				
3.	Product #3				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.1.3.1 Surveying the Hazardous Materials/WMD Incident

Evaluation Sheet:
5.2.1.3.1

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.2.1.3.1 NFPA 472, 2013 Edition	TASK: The operations level responder shall identify the following information on a pipeline marker :		
PERFORMANCE OUTCOME: The candidate will correctly identify all information presented.			
CONDITIONS: Given the current North American Emergency Response Guidebook, and pictures of a pipeline marker.			
No.	TASK STEPS	FIRST TEST	RETEST
		Pass	Fail
	The candidate will correctly identify the following:		
1.	Emergency telephone number		
2.	Owner		
3.	Product		
RETEST APPROVED BY:		RETEST EVALUATOR:	

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.3.2 Surveying the Hazard Materials/WMD Incident

5.2.1.3.2

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.3.2 NFPA 472, 2013 Edition	TASK: Given a pesticide label , the first responder shall identify and give the significance of: 1) the active ingredient; 2) the hazard statement; 3) the name of the pesticide; 4) EPA Registration Number; 5) precautionary statement; 6) signal word.				
PERFORMANCE OUTCOME: The candidate shall identify the pieces of information on a pesticide label and match these to its significance in surveying the hazardous materials incident.					
CONDITIONS: Given a pesticide label or copy of a pesticide label and a list of things to identify.					
No.	TASK STEPS	FIRST TEST	RETEST		
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	The name of the active ingredient				
2.	The name of the hazard statement				
3.	The name of the pesticide				
4.	The EPA Registration Number				
5.	The name of the precautionary statement				
6.	The name of the signal word				
7.	Relay significance of the information gathered to evaluator				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:

5.2.1.3 Surveying the Hazardous Materials/WMD Incident

5.2.1.3, (4), (5),(6)

5.2.1.4

5.2.1.5

5.2.1.6

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.2.1.3.3;(4);(5);(6) NFPA 472, 2013 Edition	TASK: Given a label for a radioactive material, the operations level responder shall identify the type of category or label, contents, activity, transport index, and critically safe index as applicable.				
PERFORMANCE OUTCOME: The candidate will correctly identify all information presented.					
CONDITIONS: Given the current North American Emergency Response Guidebook, safety data sheet (SDS) or material safety data sheets (MSDS), CHEMTREC/CANUTEC/SETIQ, and/or shipper/manufacturer contacts, and picture of a label of a radioactive material.					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Type category or label				
2.	Contents and activity				
3.	Transport index, and critically safe index as applicable.				
4.	Identify and list the surrounding conditions that should be noted from the survey of hazardous materials/WMD				
5.	Describe ways to verify information obtained from the survey of hazardous materials/WMD				
6.	Identify three additional hazards that could be associated with an incident involving terrorist or criminal activities				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Evaluator **Date** **Re-Test Candidate** **Date**



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT

Evaluation Sheet:
5.2.2(2)(3)(4)(5)(6)(7)

5.2.2(2)(3)(4)(5)(6)(7) Collecting Hazard and Response Information

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____
Last 4 digits of SS#: _____

STANDARD: 5.2.2(2)(3)(4)(5)(6)(7) NFPA 472, 2013 Edition	TASK: Given a material safety data sheet (MSDS) / Safety Data sheet (SDS) , the operations first responder shall identify the following: 5.2.2 (2) verbally identify 2 ways to obtain an MSDS/SDS in an emergency 5.2.2(3) a) physical and chemical characteristics b) physical hazards of the material c) health hazards of the material d) signs and symptoms of exposure e) routes of entry f) permissible exposure limits g) responsible party contact h) precautions for safe handling – including hygiene practices protective measures, and procedures for cleanup of spills or leaks) i) applicable control measures, including PPE j) emergency first aid procedures
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PERFORMANCE OUTCOME: The candidate will correctly give the following information from a material safety data sheet/ **Safety data sheet** and verbally identify 2 ways to obtain an MSDS in an emergency.

CONDITIONS: Given a scenario involving Hazardous Materials or WMD, a material safety data sheet, a current edition of the North American Emergency Response Guidebook, shipping papers, and a list of materials to identify.

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify the following:				
1.	Physical and chemical characteristics (boiling point, specific gravity and/or vapor density, appearance/physical state, odor, flash point, vapor pressure, flammable range, water solubility)				
2.	Physical hazards of the chemical				
3.	Health hazards of the chemical				
4.	Signs and symptoms of exposure				
5.	Routes of entry to the body				

(continued on the next page)



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.2(2)(3) Collecting Hazard and Response Information (continued)

Evaluation Sheet:
5.2.2(2)(3)

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
6.	Permissible exposure limits of the chemical (PEL/PEL-C, TLV/TWA, STEL, IDLH, LC50/LC50)				
7.	The responsible party contact				
8.	Precautions for safe handling (including hygiene practices, protective measures, and procedures for cleanup of spills or leaks)				
9.	Applicable control measures, including PPE				
10.	The emergency first aid procedures for the chemical				
11.	Two (2) ways to obtain an MSDS in an emergency				
12.	Describe type of assistance and what information to be furnished from CHEMTREC/CANUTEC/SETIQ and governmental authorities				
13.	Describe procedure for contacting CHEMTREC/CANUTEC/SETIQ and governmental authorities				
14.	Identify type of assistance provided by governmental authorities with respect to criminal or terrorist activities involving the release of hazardous materials/WMD				
15.	Identify the procedure for contacting local, state, and federal authorities as specified in the emergency response plan and/or standard operating procedures				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

**5-2 CORE COMPETENCIES – ANALYZING
THE INCIDENT**

**Evaluation Sheet:
5.2.3**

5.2.3 Predicting the likely Behavior of a material and it's Container

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____
Last 4 digits of SS#: _____

<p>STANDARD: 5.2.3 NFPA 472, 2013 Edition</p>	<p>TASK: Given scenarios involving hazardous materials/WMD incidents, using the hazard and response information from the current edition of the North American Emergency Response Guide, safety data sheet(SDS) or MSDS, CHEMTREC / CANUTEC/SETIQ the operations level responder shall describe the likely behavior of the material or agent and its container by completing the following requirements:</p> <ul style="list-style-type: none"> a) Boiling point b) Chemical reactivity c) Corrosivity (pH) d) Flammable(explosive)range [lower, explosive limit (LEL)and upper explosive limit (UEL)] f) Flash point g) Ignition (autoignition) temperature h) Particle size i) Persistence j) Physical state (solid, liquid, gas) k) Radiation (ionizing and non ionizing) l) Specific gravity m) Toxic products of combustion n) Vapor density o) Vapor pressure p) Water solubility
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PERFORMANCE OUTCOME: The candidate will correctly give the following information from the current edition of the North American Emergency Response Guide, safety data sheet (SDS) or MSDS, or CHEMTREC / CANUTEC/SETIQ.

CONDITIONS: Given a scenario involving Hazardous Materials or WMD, current edition of the North American Emergency Response Guide, MSDS, or CHEMTREC / CANUTEC/SETIQ. Shipping papers and a list of materials to identify.

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate will correctly identify and match the following:				
1.	Boiling point; Chemical reactivity; Corrosivity (pH); Flammable(explosive)range; [lower, explosive limit (LEL)and upper explosive limit (UEL)]; Flash point; Ignition (autoignition) temperature; Particle size; Persistence; Physical state (solid, liquid, gas); Physical state (solid, liquid, gas); Radiation (ionizing and non ionizing), Specific gravity; Toxic products of combustion; Vapor density; Vapor pressure; Water solubility				

continued on the next page)



HAZARDOUS MATERIALS OPERATIONS

5.2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.3 Predicting the likely Behavior of a material and it's Container (continued)

Evaluation Sheet:
5.2.3

2.	Identify the differences between the following terms: Contamination and secondary contamination, exposure and contamination, exposure and hazard, infectious and contagious, acute effects and chronic effects, acute exposure and chronic exposure.				
3.	Identify 3 types of stress that can cause a container system to release its contents				
4.	Identify 5 ways in which containers can breach				
5.	Identify 4 ways containers in which containers can release their contents				
6.	Identify at least 4 dispersion patterns that can be created upon release of a hazardous material				
7.	Identify time frames for estimating the duration that hazardous materials/WMD will present a exposure risk				
8.	Identify the health and physical hazards that could cause harm				
9.	Identify the health hazards associated with the following terms: Alpha, beta, gamma, and neutron radiation, Asphyxiant, Carcinogen, Convulsant, Corrosive, Highly toxic, Irritant, Sensitizer, allergen, Target organ effects, Toxic				
10.	Given the following, identify the corresponding UN/DOT hazard class and division: Blood agents, Biological agents and biological toxins, Choking agents, Irritant,(riot control agents), nerve agents, radiological material, Vesicants(blister agents)				

RETEST APPROVED BY:	RETEST EVALUATOR:
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Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.-2 CORE COMPETENCIES – ANALYZING THE INCIDENT
5.2.4 Estimating the Potential Harm

Evaluation Sheet:
5.2.4

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____

Last 4 digits of SS#: _____

STANDARD: 5.2.4 NFPA 472, 2013 Edition		TASKS: Identify a resource for determining the size of an endangered area of a hazardous materials/WMD incident. Given the dimensions of the endangered area and the surrounding conditions at a hazardous materials incident/WMD or radioactive materials incident, estimate the number and type of exposures within that endangered area.			
PERFORMANCE OUTCOME: The candidate will estimate the number and type of exposures.					
CONDITIONS: Given a scenario for a hazardous materials/WMD incident, a chemical name, a radioactive hazardous material name/WMD, a current North American Emergency Response Guidebook, and a local map.					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Determine and record the location and size of endangered area of a hazardous materials/WMD incident				
2.	Determine the types of exposures present (people, environment, property) as determined by the dimensions of the endangered area				
3.	Describe the number and types of exposures within the endangered area				
4.	Identify resources available for determining the concentrations of a released hazardous material/WMD within an endangered area				
5.	Given the concentrations of the released material, describe the factors for determining the extent of physical, health, and safety hazards within an endangered area of hazardous material/WMD				
6.	Describe the impact that time, distance and shielding have on exposure to radioactive materials specific to the expected dose rate				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.3 CORE COMPETENCIES – PLANNING THE RESPONSE

Evaluation Sheet: **5.3.1**

5.3.1 Describing Response Objectives

5.3.2

5.3.2 Identifying Action Options

Candidate: _____

Date: _____

Birth Date

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 5.3.1, 5.3.2 NFPA 472, 2013 Edition	TASK: Given at least two scenarios involving hazardous materials/WMD incidents, the operations level responder shall describe the response objectives for each example by completing the following requirements and identifying action options:				
PERFORMANCE OUTCOME: The candidate will estimate the number and type of exposures for the two scenarios.					
CONDITIONS: Given two scenarios for a hazardous materials/WMD incident, chemical names, a radioactive hazardous material name/WMD, a current North American Emergency Response Guidebook, and a local map.					
No.	TASK STEPS	FIRST TEST	RETEST		
		Pass	Fail	Pass	Fail
1.	Given an analysis of a hazardous material/WMD incident and exposures, describe the exposures that could be saved with the resources provided by the AHJ				
2.	Given an analysis of a hazardous material/WMD incident and exposures, describe the steps for determining response objectives				
3.	Describe how to assess the risk to a responder for each hazard class in rescuing injured persons at a hazardous materials/WMD incident				
4.	Describe the potential for secondary attacks and devices at criminal or terrorist events				
5.	Identify the options to accomplish a given response objective				
6.	Describe the prioritization of emergency medical care and removal of victims from the hazard area relative to exposure and contamination concerns				
RETEST APPROVED BY: _____			RETEST EVALUATOR: _____		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.3 CORE COMPETENCIES – PLANNING THE RESPONSE
5.3.3 Determining Suitability of Personal Protective Equipment

Evaluation Sheet:
5.3.3

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____
Last 4 digits of SS#: _____

STANDARD: 5.3.3 NFPA 472, 2013 Edition	TASK: Given examples of hazardous materials /WMD incidents, including the names of the hazardous materials /WMD involved and the anticipated type of exposure, the operations level responder shall determine whether available personal protective equipment is applicable to performing assigned tasks by completing the following requirements:				
PERFORMANCE OUTCOME: The candidate shall identify the respiratory protection required for a given response option and, identify the personal protective clothing required for a given option and the following:					
CONDITIONS: Given a hazardous materials/WMD incident, chemical names, a radioactive hazardous material name/WMD, a current North American Emergency Response Guidebook, and a local map.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Describe advantages , limitations, uses, and operational components of the following types of respiratory protection at hazardous materials /WMD incidents and identify the required physical capabilities and limitations of personnel working in respiratory protection				
1.	Positive Pressure Self Contained Breathing apparatus (SCBA)				
2.	Positive pressure air-line respirator with required escape unit				
3.	Closed Circuit SCBA				
4.	Powered Air- purifying respirator (PAPR)				
5.	Air-purifying respirator (APR)				
6.	Particulate respirator				
	Identify the personal protective clothing required for a given option and the following, and identify the purpose, advantages, and limitations of the following types of protective clothing at hazardous materials/WMD incidents:				
7.	Identify skin contact hazards encountered at hazardous materials/WMD incidents				
8.	Chemical-protective clothing such as liquid-splash protective clothing and vapor-protective clothing				
9.	High temperature proximity suit and entry suits				
10.	Structural fire-fighting protective clothing				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			



HAZARDOUS MATERIALS OPERATIONS

5.3 CORE COMPETENCIES – PLANNING THE RESPONSE
5.3.3 Determining Suitability of Personal Protective Equipment (continued)

Evaluation Sheet:
5.3.3

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.3 CORE COMPETENCIES – PLANNING THE RESPONSE
5.3.4 Identifying Decontamination Issues

Evaluation Sheet:
5.3.4

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.3.4 NFPA 472, 2013 Edition	TASK: Given scenarios involving a hazardous materials/WMD incident, the operations-level responder shall identify when decontamination is needed by completing the following requirements:				
PERFORMANCE OUTCOME: The candidate, working in PPE, will identify potential harm and estimate potential outcome within endangered area. The candidate will demonstrate prioritization of emergency medical care and removal of victim(s).					
CONDITIONS: Given a chemical name requiring PPE, a North American Emergency Response Guidebook, conscious/non-ambulatory patient(s), PPE, and dimensions of endangered area.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify ways that people, personal protective equipment, tools and equipment become contaminated				
2.	Describe how the potential for secondary contamination determines the need for contamination				
3.	Explain the importance and limitations of decontamination procedures at hazardous materials incidents				
4.	Identify the purpose of emergency decontamination procedures at hazardous materials incidents				
5.	Identify the methods, advantages, and limitations of emergency decontamination procedures				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.4 CORE COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE
5.4.1 Establishing and Enforcing Scene Control

Evaluation Sheet:
5.4.1;(2);(3)
Skill Sheet: A

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____

Last 4 digits of SS#: _____

STANDARD: 5.4.1;(2);(3) NFPA 472, 2013 Edition	TASK: Given two scenarios involving hazardous materials/WMD incidents, the operations level responder shall explain how to establish and maintain scene control, including control zones and emergency decontamination, and communications between responders and to the public by completing the following requirements:				
PERFORMANCE OUTCOME: The candidate shall determine the appropriate protective action based on scenarios given.					
CONDITIONS: Given two scenarios involving known hazardous materials in a container with UN number or WMD incident, the current edition of the North American Emergency Response Guidebook, a vicinity area map, and the weather conditions.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify the procedures for establishing scene control through control zones				
2.	Identify the criteria for determining the locations of the control zones at hazardous materials/WMD incidents				
3.	Identify the basic techniques for the following protective actions at hazardous materials/WMD incident: Evacuations, Sheltering in place				
4.	Demonstrate the ability to perform emergency decontamination				
5.	Identify the items to be considered in a safety briefing prior to allowing personnel to work at the following: Hazardous Materials Incidents; Hazardous Materials/WMD incidents involving criminal activities				
6.	Identify the procedures for ensuring coordinated communications between responders and to the public.				

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.4 CORE COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE

Evaluation Sheet:
5.4.1.4

5.4.1(4) Establishing and Enforcing Scene Control Procedures

Skill Sheet: B

Candidate: _____
 Birth Date _____
 Mo Day Yr _____

Date: _____
 Last 4 digits of SS#: _____

STANDARD: 5.4.1.4, 5.1.2.2 NFPA 472, 2013 Edition	TASK: Emergency Decontamination/Firefighter. Demonstrate the ability to perform emergency decontamination while working in PPE. The first responder at the operational level shall identify how to establish and enforce scene control, including control zones, emergency decontamination, and communications.				
PERFORMANCE OUTCOME: The candidate at the operational level working in PPE shall be able to demonstrate the ability to perform emergency decontamination.					
CONDITIONS: Wearing SCBA/FULL PPE and given fire line tape, and given scenarios for facility and/or transportation hazardous materials/WMD incidents. Equipment needed: Personal protective equipment, self-contained breathing apparatus (SCBA), water supply hoses, brushes, containment area, product name, and North American Emergency Response Guidebook (ERG).					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish and enforce scene control through control zones				
2.	Remove firefighter victim from contaminated area				
3.	Ensure victim is supplied with uncontaminated air or oxygen, ensuring air supply is maintained				
4.	Determine correct decontamination procedure				
5.	Remove helmet (if worn) and wash victim with flooding quantities of water (water is used only if decontamination procedure calls for it)				
6.	If victim is wearing SCBA, release the harness and remove SCBA, leaving face piece in place				
7.	Remove contaminated clothing and PPE while being flushed, ensuring no further contamination while continuing to wash				
8.	Remove victim to treatment area in support zone				
9.	Provide verbal report to EMS personnel, including contaminants involved				
10.	Self-decontamination of rescuer				
RETEST APPROVED BY:		RETEST EVALUATOR:			

(continued on the next page)



HAZARDOUS MATERIALS OPERATIONS

**5.4 CORE COMPETENCIES – IMPLEMENTING
 THE PLANNED RESPONSE**

**Evaluation Sheet:
 5.4.1.4**

5.4.1(4) Establishing and Enforcing Scene Control Procedure (continued)

Skill Sheet: B

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.4 COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE
5.4.1 Establishing and Enforcing Scene Control Procedures

Evaluation Sheet:
5.4.1.4
Skill Sheet: C

Candidate: _____
Birth Date _____
Mo Day Yr _____

Date: _____
Last 4 digits of SS#: _____

STANDARD: 5.4.1.4 NFPA 472, 2013 Edition	TASK: Emergency Decontamination/Contaminated Site worker. Demonstrate the ability to perform emergency decontamination. The first responder at the operational level, while working in PPE, shall identify how to establish and enforce scene control, including control zones, emergency decontamination, and communications.				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to perform emergency decontamination while wearing full personal protective gear and SCBA.					
CONDITIONS: Given a simulated contaminated victim, a hose line, and a tarp, if needed.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish and enforce scene control through control zones				
2.	Remove victim from area of high contamination to area of refuge				
3.	Initiate flush/strip/flush emergency field decontamination procedure (after proper verification of the correct decontamination procedure to use)				
4.	Remove contaminated clothing while washing victim with hose stream				
5.	Identify need for emergency care of victim				
6.	Direct victim to treatment area to be evaluated by EMS personnel				
7.	Self-decontamination of rescuer				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.4 CORE COMPETENCIES – IMPLEMENTING THE PLANNED RES
5.4.2 Preserving Evidence

Evaluation Sheet:
5.4.2

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.4.2 NFPA 472, 2013 Edition	TASK: : Given two scenarios involving hazardous materials/WMD incidents, the operations level responder shall describe the process to preserve evidence listed in the emergency response plan and/or standard operating procedures.				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to perform preserving evidence.					
CONDITIONS: Given two scenarios involving hazardous materials/WMD incidents.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish and enforce scene control through control zones				
2.	Secure and isolate any incident area where evidence is located				
3.	Leave fatalities and body parts in place and secure the area				
4.	Isolate any apparent source location of the event(e.g., blast area, spill release point				
5.	Leave in place any explosive components or housing materials				
6.	Place light-colored tarpaulins on the ground of access and exit corridors, decontamination zones, treatment areas , and rehabilitation sectors to allow possible evidence that might drop during decontamination and doffing of clothes to be spotted and collected				
	Secure and isolate all food vending locations in the immediate area				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

5.4 IMPLEMENTING THE PLANNED RESPONSE
5.4.3 Initiating the Incident Command System

Evaluation Sheet:
5.4.3

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.4.4 NFPA 472, 2013 Edition	TASK: Given scenarios involving hazardous materials/WMD incidents, the operations level responder shall implement the incident command system as required by the AHJ by completing the following requirements:				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to implement the incident command system as required by the AHJ by completing the following requirements:					
CONDITIONS: Implement the incident command system as required by the AHJ					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify the role of the operations level responder during hazardous materials/WMD incidents as specified in the emergency response plan and or/ standard operating procedures.				
2.	Identify the levels of hazardous materials/WMD incidents as defined in the emergency response plan.				
3.	Identify the purpose, need, benefits, and elements of the incident command system for hazardous materials/WMD incidents				
4.	Identify the duties and responsibilities of the following functions within the incident command system: Incident Safety Officer, Hazardous Materials Branch or Group				
5.	Identify the considerations for determining the location of the incident command post for a hazardous material/WMD incident				
6.	Identify procedures for requesting additional resources at a hazardous material/WMD incident				
7.	Describe the role and response objectives of other agencies that respond to a hazardous material/WMD incidents				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

**5.4 CORE COMPETENCIES – IMPLEMENTING
THE PLANNED RESPONSE**

**Evaluation Sheet:
5.4.4**

5.4.4 Using Personal Protective Equipment

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 5.4.4, 6.2.5.1 NFPA 472, 2013 Edition	TASK: Given the personal protective equipment provided by the AHJ, the operations level responder shall describe considerations for the use of personal protective equipment provided by the AHJ by completing the following requirements;				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to consider self-contained breathing apparatus and its use.					
CONDITIONS: Given SCBA and personal protective equipment					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify the importance of the buddy system				
2.	Identify the importance of the backup personal				
3.	Identify the safety precautions to be observed when approaching and working at hazardous materials/WMD incidents				
4.	Identify the signs and symptoms of heat and cold stress and procedures for their control				
5.	Identify the capabilities and limitations of personal working in the personal protective equipment provided by the AHJ				
6.	Identify the procedures for cleaning, disinfecting, and inspecting personal protective equipment provided by the AHJ				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

6.2 MISSION SPECIFIC COMPETENCIES
6.2.1.2 Personal Protective Equipment

Evaluation Sheet:
6.2.1.2

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.2.1.2 NFPA 472, 2013 Edition	TASK: The operations level responder shall use personal protective equipment with the knowledge and skills to perform the following tasks safely and effectively:				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to use personal protective equipment					
CONDITIONS: Given SCBA and personal protective equipment					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Plan a response within the capabilities of personal protective equipment provided by the AHJ in order to perform mission-specific tasks assigned.				
2.	Implement the planned response consistent with the standard operating procedures, site safety, and control plan by donning, working in, and doffing personal protective equipment provided by the AHJ.				
3.	Terminate the incident by completing the reports and documentation pertaining to personal protective equipment.				
RETEST APPROVED BY:		RETEST EVALUATOR:			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

- 6.2.4 IMPLEMENTING THE PLANNED RESPONSE**
- 6.2.4.1 Using Protective Clothing and Respiratory Protection**
- 6.2.5.1 Reporting and Documenting the Incident**

Evaluation Sheet:
6.2.4.1, 6.2.5.1

Candidate: _____ **Date:** _____
Birth Date
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD : 6.2.4.1, 6.2.5.1 NFPA 472, 2013 Edition	TASK: Given the personal protective equipment provided by the AHJ, the operations level responder assigned to use personal protective equipment shall demonstrate the ability to don, work in, and doff the equipment to support mission-specific tasks by completing the following requirements:				
PERFORMANCE OUTCOME: The candidate at the operational level shall be able to demonstrate the ability to don and doff self-contained breathing apparatus and its use.					
CONDITIONS: Given SCBA and personal protective equipment					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Describe at least three safety procedures for personnel wearing protective clothing				
2.	Describe at least three emergency procedures for personnel wearing protective clothing				
3.	Demonstrate the ability to don, work in, and doff personal protective equipment provided by the AHJ				
4.	Demonstrate local procedures for responders undergoing the technical decontamination process				
5.	Describe the maintenance, testing, inspection, storage, and documentation procedures for personal protective equipment provided by the AHJ according to manufacturer's specifications and recommendations				
6.	Complete necessary documentation as required and place equipment in a ready state for reuse				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

6.6 MISSION SPECIFIC COMPETENCIES – PRODUCT CONTROL
6.6.1.2.2 Performing Defensive Control Actions

Evaluation Sheet:
6.6.1.2.2

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.6.1.2.2 NFPA 472, 2013 Edition	TASK: When responding to hazardous materials/WMD incidents, the operations level responder assigned to perform product control shall be able to perform the following tasks:				
PERFORMANCE OUTCOME: , Plan an initial response within the capabilities and competencies of available personnel, personal protective equipment, and control equipment and in accordance with the AHJ emergency response plan or standard operating procedures by completing the following tasks:					
CONDITIONS: Wearing SCBA/full PPE, given a scenario, perform the required tasks:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Describe the control options available to the operations level responder				
2.	Describe the control options available for flammable liquid and flammable gas incidents				
3.	Implement the planned response to a hazardous materials/WMD incident				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

6.6 MISSION SPECIFIC COMPETENCIES – PRODUCT CONTROL

Evaluation Sheet:

6.6.4.1 Performing Defensive Control Actions

6.6.4.1

Skill Sheet: A

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 6.6.4.1A NFPA 472, 2013 Edition		TASK: Foam OPS using the type of firefighting foam or vapor suppressing agent and foam equipment furnished by the authority having jurisdiction; demonstrate the effective application of the firefighting foam(s) or vapor suppressing agent(s) on a spill or fire involving hazardous materials/WMD.			
PERFORMANCE OUTCOME: The candidate at the operational level, working in PPE, shall demonstrate defensive control actions set out in the plan.					
CONDITIONS: Wearing SCBA/full PPE and given a scenario, an attack line, a foam proportioning device, a selection of foam concentrate, and a water supply.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Select the appropriate foam concentrate and appropriate nozzle for the given fuel and conditions				
2.	Prepare the foam concentrate for the given fuel and conditions				
3.	Assemble the foam proportioning device with the foam concentrate				
4.	Adjust the foam proportioning device based on the selected foam concentrate				
5.	Assemble, position, and prepare the hose line for fire attack				
6.	Assemble, position, and prepare personnel for fire attack				
7.	Charge the hose line so that it produces a properly proportioned foam fire stream				
RETEST APPROVED BY: _____			RETEST EVALUATOR: _____		

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date



HAZARDOUS MATERIALS OPERATIONS

6.6 MISSION SPECIFIC COMPETENCIES – PRODUCT CON
6.6.4.1 Performing Control Options

Evaluation Sheet: 6.6.4.1
Skill Sheet: B

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.6.4.1 NFPA 472, 2013 Edition		TASK: Foam OPS using the type of firefighting foam or vapor suppressing agent and foam equipment furnished by the authority having jurisdiction; demonstrate the proper application of the firefighting foam(s) or vapor suppressing agent(s) on a spill or fire involving hazardous materials.			
PERFORMANCE OUTCOME: The candidate at the operational level shall demonstrate defensive control actions set out in the plan.					
CONDITIONS: Wearing SCBA/full PPE and given a live fire or simulated scenario and an assembled foam fire stream.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Prepare personnel, place attack line in position upwind, and check nozzle for proper production of foam solution				
2.	Coordinate the attack team's advancement toward the fire so that a smooth and safe approach is maintained. Choose one:				
	a. Apply a foam blanket over the fuel's surface by using the Roll-on Method				
	b. Apply a foam blanket over the fuel's surface by using the Bank-Down Method				
	c. Apply a foam blanket over the fuel's surface by using the Rain-Down Method				
3.	Prevent reignition by maintaining a foam blanket				
4.	Coordinate the attack team's retreat so that the hazard is faced until the entire team reaches a safe haven				
5.	Maintain the personal safety of all attack team members				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date



HAZARDOUS MATERIALS OPERATIONS

6.6 MISSION SPECIFIC COMPETENCIES – PRODUCT CONTROL
6.6.4.1 Performing Control Options

Evaluation Sheet:
6.6.4.1
Skill Sheet: C

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.6.4.1 NFPA 472, 2013 Edition	TASK: Foam OPS using the type of firefighting foam or vapor suppressing agent and foam equipment furnished by the authority having jurisdiction; demonstrate the proper application of the firefighting foam(s) or vapor suppressing agent(s) on a spill or fire involving hazardous material.				
PERFORMANCE OUTCOME: The candidate at the operational level shall demonstrate defensive control actions set out in the plan.					
CONDITIONS: Wearing SCBA/full PPE and given a live fire or simulated scenario and equipment for foam.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify percentage of foam concentrate to use; connect eductor to hose line				
2.	Place eductor in concentrate can				
3.	Select appropriate setting on eductor				
4.	Open nozzle; apply away from fire or spill until finished foam reaches nozzle				
5.	Apply finished foam, from front of fire/spill working foam blanket back onto fire/spill				
RETEST APPROVED BY: _____			RETEST EVALUATOR: _____		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

6.6.4 MISSION SPECIFIC COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE

Evaluation Sheet:
6.6.4.1

6.6.4.1 Performing Control Options

Skill Sheet: D

Candidate: _____

Date: _____

Birth Date _____

Mo Day Yr _____

Last 4 digits of SS#: _____

STANDARD: 6.6.4.1 NFPA 472, 2013 Edition	TASK: Demonstrate how to perform the following defensive control activities: Absorption, Adsorption, Damming, Diking, Dilution, Diversion, Retention, Vapor Dispersion, and Remote valve shut-off.				
PERFORMANCE OUTCOME: The candidate at the operational level shall demonstrate defensive control actions set out in the plan.					
CONDITIONS: Wearing SCBA/full PPE and given the appropriate tools and equipment (i.e., shovels, rakes, absorbent materials, dirt, sand or hay, plastic sheeting, and a leaking container).					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Damming/Diking/Absorption/Adsorption: Choose A, B, C, or D below:				
A.	Damming: Construct a retention pond Avoid contact with the hazardous material Ensure dam is not breached				
B.	Diking: Construct a "V" dike or circle dike Avoid contact with the hazardous material Ensure hazardous material does not enter drains or manholes				
C.	Absorption: Apply absorbent pads or booms to control the spilled material Avoid contact with hazardous material Ensure hazardous material is absorbed into absorbent material Maintain control of the absorbent materials and take appropriate steps for disposal				
D.	Adsorption: Apply the appropriate adsorbent material to control the spilled material Avoid contact with hazardous material Ensure adsorbent material has sufficiently adsorbed hazardous material Maintain control of the adsorbent materials and take appropriate steps for disposal				
	For A, B, C, or D chosen above:				
2.	Select and correctly utilize proper retention equipment				
RETEST APPROVED BY:		RETEST EVALUATOR:			

(continued on the next page)



HAZARDOUS MATERIALS OPERATIONS

**6.6.4 MISSION SPECIFIC COMPETENCIES – IMPLEMENTING
 PLANNED RESPONSE**

**Evaluation Sheet:
 6.6.4.1
 Skill Sheet: D**

6.6.4.1 Performing Control Options (*continued*)

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
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Re-Test Evaluator	Date	Re-Test Candidate	Date
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HAZARDOUS MATERIALS OPERATIONS

6.6.4 MISSION SPECIFIC COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE

Evaluation Sheet:
6.6.4.1
Skill Sheet: E

6.64.1 Performing Control Options

Candidate: _____ **Date:** _____

Birth Date _____

Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.6.3.1 NFPA 472, 2008 edition	TASK: Demonstrate how to perform the following defensive control activities: Absorption, Damming, Diking, Dilution, Diversion, Retention, Vapor Dispersion , and Remote valve shut-off.				
PERFORMANCE OUTCOME: The candidate at the operational level shall demonstrate defensive control actions set out in the plan.					
CONDITIONS: Wearing SCBA/full PPE and given the appropriate tools and equipment (i.e., shovels, rakes, absorbent materials, dirt, sand or hay, plastic sheeting, and a leaking container).					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Vapor Dispersion Techniques/Dilution/Retention/Diversion Methods Choose A, B, or C below:				
A.	Vapor Dispersion: Avoid contact with hazardous material Eliminate any potential ignition sources Use nozzle on fog setting to disperse simulated vapor Uses proper technique to move vapors away from endangered area				
B.	Dilution: Use hose line to apply water to dilute simulated chemical Avoid contact with hazardous material Ensure hazardous material is water soluble Do NOT overflow retention pond of hazardous material				
C.	Retention: Define the purpose of retention Avoid contact with the hazardous material Ensure product flow does not exceed retention area				
D.	Diversion: Avoid contact with hazardous material Ensure hazardous material is diverted away from drains and waterways Make sure the hazardous material does NOT breach the diversion				
	For A, B, C or D chosen above:				
2.	Select and correctly utilize proper retention equipment				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

(continued on the next page)



HAZARDOUS MATERIALS OPERATIONS

**6.6.4 MISSION SPECIFIC COMPETENCIES – IMPLEMENTING
 THE PLANNED RESPONSE**

**Evaluation Sheet:
 6.6.4.1
 Skill Sheet: E**

6.6.4.1 Performing Control Options (continued)

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
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Re-Test Evaluator	Date	Re-Test Candidate	Date
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HAZARDOUS MATERIALS OPERATIONS

6.6.4 MISSION SPECIFIC COMPETENCIES – IMPLEMENTING THE PLANNED RESPONSE

Evaluation Sheet:
 6.6.4.1
 Skill Sheet: F

6.6.4.1 Performing Control Options

Candidate: _____ Date: _____
 Birth Date _____
 Mo Day Yr _____ Last 4 digits of SS#: _____

STANDARD: 6.6.4.1 NFPA 472, 2013 Edition	TASK: Demonstrate how to perform the following defensive control activities for Remote valve shut-off.				
PERFORMANCE OUTCOME: The candidate at the operational level shall demonstrate the following defensive control actions: locate, identify, and describe the operation of the emergency remote shut-off device(s) at a fixed facility.					
CONDITIONS: Wearing SCBA/Full PPE and given the appropriate tools, equipment, a hazardous materials scenario at a fixed facility, a series of photos depicting a fixed facility, and its emergency remote shut-off device(s) or props depicting the shut-off device(s), the candidate shall:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Properly wear appropriate protective clothing				
2.	Identify and locate the emergency remote shut-off device(s) at the fixed facility				
3.	Describe the use of emergency remote shut-off devices at fixed facilities				
4.	Notify the Incident Commander of the completed objective				
RETEST APPROVED BY:			RETEST EVALUATOR:		

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date



HAZARDOUS MATERIALS OPERATIONS

6.6.3 MISSION SPECIFIC COMPETENCIES – PLANNING THE RESPON
6.6.4.1 Performing Control Options

Evaluation Sheet:
6.6.4.1
Skill Sheet: G

Candidate: _____ **Date:** _____
Birth Date _____
Mo Day Yr _____ **Last 4 digits of SS#:** _____

STANDARD: 6.6.4.1 NFPA 472, 2013 edition	TASK: Given an example of the following cargo tanks, the candidate shall identify the cargo tank and the location and use of the mechanical, hydraulic, and air emergency remote valve shut-off devices: 1) MC-306/DOT-406, 2) MC-331.				
PERFORMANCE OUTCOME: The candidate will identify the cargo tank and the location and use of the mechanical, hydraulic, and air emergency remote shut-off devices					
CONDITIONS: Given pictures or diagrams of MC-306/DOT-406 and MC-331 cargo tanks.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	The candidate shall correctly identify and describe the operation of the following:				
1.	MC-306/DOT-406 cargo tank				
2.	MC-306/DOT-406 remote emergency shut-off device valve				
3.	Correctly describe the operation of the emergency remote shut-off device				
	OR				
1.	MC-331 cargo tank				
2.	MC-331 remote emergency shut-off device valve				
	Correctly describe the operation of the emergency remote shut-off device				
RETEST APPROVED BY: _____		RETEST EVALUATOR: _____			

Evaluator/Candidate Comments: _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date