

**ARIZONA
HAZARDOUS MATERIALS
OPERATIONS**

**PRACTICAL SKILLS
CERTIFICATION EVALUATION PACKET**
(NFPA Standard 470, 2022 Edition)

Revised September 2024

ARIZONA HAZ MAT OPERATIONS PRACTICAL SKILLS EVALUATION

Candidate:	Date:
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HMO-1

STANDARD: NFPA 470, 7.2.1	SKILL: Identify Potential Hazards
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TASK: The candidate will identify the scope of the problem at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, and approved reference sources.

PERFORMANCE OUTCOME: The candidate shall identify the scope of the problem at a hazardous materials/WMD incident, so that container types, materials, location and physical state (form) of release and surrounding conditions as well as the potential behavior of a material and its container and potential hazards, harm, and outcomes associated with that behavior are identified, and hazard and response information is collected.

EQUIPMENT: ERG, hazardous materials incident (scenario), policies and procedures.

CONDITIONS: The candidate shall complete the following:

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Identify container types at a hazardous materials/WMD incident	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Identify materials at a hazardous materials/WMD incident	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Identify location and physical state (form) of release at a hazardous materials/WMD incident	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Identify surrounding conditions at a hazardous materials/WMD incident	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Collect hazard information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Communicate with pipeline operators or carrier representatives (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Describe the likely behavior of the hazardous materials or WMD and its container	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Describe the potential hazards, harm, and outcomes associated with that behavior and the surrounding conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name	Date
Evaluator Signature	

<u>Overall Skill Sheet Result:</u>
6 out of 8 required
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ARIZONA HAZ MAT OPERATIONS PRACTICAL SKILLS EVALUATION

Candidate:	Date:
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HMO-2

STANDARD: NFPA 470, 7.3.1	SKILL: Identify Action Options
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TASK: The candidate will identify the action options for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, approved reference sources, and the scope of the problem, so that response objectives, strategies and tactics, safety precautions, suitability of approved personal protective equipment (PPE) available, and emergency decontamination needs, and an action plan are identified.

PERFORMANCE OUTCOME: The candidate shall identify from the scenario provided, the appropriate actions and objectives, safety precautions, PPE and decon to mitigate the scope of the problem.

EQUIPMENT: ERG, Scenario

CONDITIONS: The candidate shall complete the following:

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Identify response objectives, strategies and tactics, based on the scope of the problem and available resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Identify and take safety precautions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Identify whether approved PPE is suitable for the incident conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Identify emergency decontamination needs based on the scope of the problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name	Date
Evaluator Signature	

Overall Skill Sheet Result:

3 out of 4 required

Pass (P): **Fail (F):**

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Candidate:	Date:
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HMO-3

STANDARD: NFPA 470, 7.4.1	SKILL: Perform Assigned Tasks and Gross Decontamination
TASK: The candidate will perform assigned tasks at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an assignment with limited potential of contact with hazardous materials/WMD, policies and procedures, the scope of the problem, approved tools, equipment, and PPE.	
PERFORMANCE OUTCOME: Candidate will go through decontamination, and conduct gross decontamination on contaminated tools and equipment, at a hazardous materials/WMD incident.	
EQUIPMENT: Approved tools, equipment, PPE	
CONDITIONS: The candidate shall complete the following:	

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Establish and maintain scene control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Recognize and preserve evidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Choose, inspect, don, work in, and go through decontamination while wearing, and doffing approved PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Isolate contaminated tools, equipment, and PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Conduct gross decontamination of contaminated personnel, tools, equipment, and PPE in the field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Clean, disinfect, and inspect approved tools, equipment, and PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Protect exposures and personnel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	***All steps completed safely / Avoid or minimize hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Communicate completion of assignment to command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name	Date
Evaluator Signature	

Overall Skill Sheet Result:

7 out of 9 required
***critical skill required

Pass (P): Fail (F):

ARIZONA HAZ MAT OPERATIONS PRACTICAL SKILLS EVALUATION

Candidate:	Date:
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HMO-4

STANDARD: NFPA 470, 7.4.1 & 7.5.1	SKILL: Emergency Decontamination
TASK: The candidate (s) shall perform emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination.	
PERFORMANCE OUTCOME: The candidate shall be able to remove a simulated contaminated person from the contaminated area, wash the contaminated person as necessary, remove contaminated clothing, and coordinate transporting the contaminated person to a medical facility.	
EQUIPMENT: Approved appropriate PPE, water supply, hoses, brushes, containment area, product name, and Emergency Response Guidebook (ERG)	
CONDITIONS: Given a simulated contaminated person and a scenario, the candidate shall demonstrate the ability to perform emergency decontamination on a contaminated person or firefighter.	

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Select an emergency decontamination method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Set up emergency decontamination in a safe area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Implement emergency decontamination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Remove contaminated person's clothing and SCBA while maintaining continuous washing if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Prevent spread of contamination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	***Move contaminated person to clean environment and/or ambulance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Communicate containment information to EMS and/or hospital	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name	Date
Evaluator Signature	

Overall Skill Sheet Result:

6 out of 8 required

*****critical skill required**

Pass (P): **Fail (F):**

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Candidate:	Date:
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HMO-5

STANDARD: NFPA 470, 7.6.1	SKILL: Progress Evaluation and Reporting
TASK: The candidate shall evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of implemented strategies and tactics, and assigned tasks, and approved communication tools and equipment.	
PERFORMANCE OUTCOME: Given an assignment, an ERG, an IAP, and the current status of the implemented strategies and tactics, the candidate will review and evaluate and report the progress of an assigned task using the Incident Command System, at a hazardous materials/WMD incident.	
EQUIPMENT: Radio, Initial HazMat IAP, ERG	
CONDITIONS: Given a scenario and an assignment, the candidate shall evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident.	

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Evaluate the current incident status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Determine the response objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Utilize the Incident Command System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Use approved communications tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Communicate whether strategies are being accomplished and the status of assigned task.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name _____ Date

Evaluator Signature

Overall Skill Sheet Result:
4 out of 5 required
Pass (P): **Fail (F):**

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Candidate:	Date:
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HMO-6

STANDARD: NFPA 470, 9.2.1	SKILL: Personal Protective Equipment
<p>TASK: The candidate will select, don, work in, and doff approved PPE at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; a mission-specific assignment in an IAP that requires use of PPE; the scope of the problem; response objectives and options for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; approved PPE; and policies and procedures.</p>	
<p>PERFORMANCE OUTCOME: Candidate will select, don, work in, go through decontamination and doff approved PPE at a hazardous materials/WMD incident.</p>	
<p>EQUIPMENT: Approved PPE, access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures.</p>	
<p>CONDITIONS: The candidate shall complete the following:</p>	

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
1.	Select PPE for the assignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Don PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Work in PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Go through decontamination (emergency and technical) while wearing the PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Doff PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Report and document the use of PPE (verbalize or demonstrate this per AHJ requirements)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Inspect, maintain, and store PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	***All steps completed safely	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name	Date
Evaluator Signature	

Overall Skill Sheet Result:

6 out of 8 required

*****critical skill required**

Pass (P): **Fail (F):**

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Candidate:	Date:
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HMO-7

STANDARD: NFPA 470, 9.6.1	SKILL: Product Control Measures & Remote Shut Off Valves
TASK: The candidate shall perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product shall identify the options for each response objectives and shall meet the requirements as prescribed by the AHJ.	
PERFORMANCE OUTCOME: The candidate will successfully demonstrate each of the abilities identified within the checklist. Candidate will demonstrate using remote control valves and shutoff devices on tanks and containers.	
EQUIPMENT: Personal protective equipment, self-contained breathing apparatus (SCBA), shovels/hand tools, materials that can be used for absorption, damming, diking, diversion, retention, dispersion and suppression, tarps/salvage cover, sandbags, fire hose, various nozzles: hand line, fog/solid stream combination, hose tools and appliances, and water supply. Other equipment/materials may be used based on local resources, portable radio, and local SOP's/SOG's.	
CONDITIONS: Given a scenario involving one of the following: cargo tanks, intermodal tanks in transportation, and containers at fixed facilities, the candidate shall complete the following:	

No.	TASK STEPS	TEST		RETEST 1	
		P	F	P	F
All 3 types and all control techniques must be trained on to proficiency during the program.					
The Proctor selects <u>one of the following types of containers/tanks</u> for final certification examination and a <u>minimum of one control technique</u> (from those listed below) must be demonstrated during the practical exam, to be selected by proctor in consultation with evaluators:					
	a. <input type="checkbox"/> Cargo Tanks b. <input type="checkbox"/> Intermodal Tanks in transportation c. <input type="checkbox"/> Containers at fixed facilities.				
	Absorption (4 out of 5 steps required) <i>(e.g.: absorbent pads, saw dust, diatomaceous earth, gelling agent)</i>				
	a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Ensure drains do not become contaminated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	e. Ensure hazardous material is absorbed into absorbent material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Damming (3 out of 4 steps required) <i>(e.g.: sand, dirt, salvage cover, absorbent pads, ewer- storm drain plugs)</i>				
	a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Ensure dam is not breached.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Diking (4 out of 5 steps required) <i>(e.g.: dirt, sand bags,, absorbent pads, clay)</i>				
	a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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d. Form a “v” and a “circle” dike.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Ensure hazardous material does not enter drains or manholes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dilution (4 out of 5 steps required) <i>(e.g.: applied water stream to dilute substance)</i>				
a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Ensure the hazardous material is water soluble.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Do NOT overflow retention pond of hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversion (4 out of 5 steps required) <i>(e.g.: shovels or high pressure water steams, sand bags)</i>				
a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Ensure hazardous material is diverted away from drains and waterways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Make sure the hazardous material does NOT breach the diversion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retention (4 out of 5 steps required) <i>(e.g.: salvage cover catch-all basin, earthen dams, floating confinement boom, temporary patches on containers)</i>				
a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Define the purpose of retention.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. ***Avoid contact with the hazardous material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Ensure product flow does not exceed retention area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vapor Dispersion (4 out of 5 steps required) <i>(e.g.: water streams, fans)</i>				
a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Eliminate ignition sources, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Use water spray or fans to control dispersion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Move vapors away from threatened area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote valve shut-off (3 out of 4 steps required)				
a. Select and use appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. ***Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Eliminate ignition sources, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Manipulate valve as instructed to control the flow of the product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Evaluator Name

Date

Evaluator Signature

Overall Skill Sheet Result:

**See scoring requirement listed
above next to each control
technique
***critical skill required**

Pass (P): **Fail (F):**