

**Colorado Metropolitan Certification Board
Hazardous Materials Technician Skill Sheets
NFPA 1072, 2017 Edition**

HMT#	Task
7.2	Analyze the Incident
7.2.1	Collect, interpret hazard and response information
7.2.3	Assess and communicate container condition
7.2.4	Predict behavior and estimate outcome
7.3	Develop a Response Plan
7.3.1	Develop response objectives and action options
7.3.2	Select the PPE ensemble required for a given response objective
7.3.3	Select required decontamination method
7.3.4	Prepare and Incident Action Plan
7.4	Implement an Incident Action Plan
7.4.1	Complete the assigned function within command structure
7.4.2	Demonstrate ability to don, work in and doff Level A, B or C protective ensemble
7.4.3.1	Verify presence of hazardous material/WMD
7.4.3.1	55 gallon drum leak
7.4.3.1	Chlorine A-Kit
7.4.3.1	Chlorine B-Kit
7.4.3.1	Chlorine C-Kit
7.4.3.1	Install Dome Lid
7.4.3.1	Product Transfer
7.4.3.1	Maintaining Tools/Equipment
7.4.3.1	Maintenance and testing of monitoring equipment
7.4.3.1	Overpack radioactive material
7.4.4.1	Mass Decontamination
7.4.4.2	Perform the technical decontamination-entry operation
7.4.4.2	Perform the technical decontamination-victim
7.5	Evaluate and report the progress of assigned tasks. Terminate the incident.

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will collect and interpret response information; access container condition; predict behavior and estimate the outcome of the incident.	Sheet Number: HMT 7.2	
Standard: [NFPA 1072, 2017 Ed.] 7.2.1(B),7.2.2(B), 7.2.3(B), 7.2.4(B), 7.2.5(B)		
Primary Tasks: Analyze the incident based upon response and hazard information provided.		
Candidate Performance	Pass	Fail
1. Collect and interpret hazard and response information at a hazardous materials/WMD incident		
2. Assess the condition of a container and its closures at a hazardous materials/WMD incident		
3. Predict the behavior of the hazardous materials/WMD involved in a hazardous materials/WMD incident		
4. Estimate the potential outcomes at a hazardous materials/WMD incident, given a hazardous materials/WMD incident,		
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

Colorado Metropolitan Certification Board

Skill Performance Evaluation

Objectives: Given a hazardous material/WMD incident, the candidate(s) will collect and interpret the hazard and response information.	Sheet Number: HMT 7.2.1	
Standard: [NFPA 1072, 2017 Ed.] 7.2.1(B), 7.2.2(B)		
Primary Tasks: Collect, interpret and communicate hazard and response information.		
Candidate Performance	Pass	Fail
1. Collects available incident information to;		
a) Determine basic hazardous materials category and the hazards associated the material(s)		
b) Identify the type of detection/monitoring equipment needed to verify presence and concentration		
c) Identify possible signs and symptoms of exposure in victims and responders including target organ effects		
d) Identify methods and procedures for sample collection and evidence preservation		
2. Interprets, records and communicates the results hazard and response information		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
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Skill Performance Evaluation

Objectives: Given an incident involving hazardous materials/ WMD, the candidate(s) will assess the condition of a container and its closures.	Sheet Number: HMT 7.2.3	
Standard: [NFPA 1072, 2017 Ed.] 7.2.3(B)		
Primary Tasks: Assess and communicate container condition.		
Candidate Performance	Pass	Fail
1 Based on witness statements and descriptions:		
a) Determines the condition of the container and its closures		
b) Identifies the type of damage and level of risk associated with the damage		
c) Identify stress on the container		
2. Communicate the condition of the container and its closures and the level of risk associated with that condition.		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will develop and recommend response objectives and action options, select the PPE ensemble required, select a decontamination method and develop a plan of action.	Sheet Number: HMT 7.3	
Standard: [NFPA 1072, 2017 Ed.] 7.3.1(B), 7.3.2(B), 7.3.3(B), 7.3.4(B)		
Primary Tasks: Develop and recommend a response plan.		
Candidate Performance	Pass	Fail
1. Develop and recommend response objectives for a hazardous materials incident and identify action options for each response objective.		
2. Select the required PPE ensemble for the specified response option		
3. Select the appropriate decontamination procedure (operations and methods)		
4. Develop an Incident Action Plan		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will develop and recommend response objectives and action options for each response objective.	Sheet Number: HMT 7.3.1	
Standard: [NFPA 1072, 2017 Ed.] 7.3.1(B)		
Primary Tasks: Develop response objectives and action options.		
Candidate Performance	Pass	Fail
1. Analyze incident related information including life safety risks, environmental risks, and property risks		
2. Identify available and needed resources		
3. Identify response objectives for the incident		
4. Identify action options for each response objective.		
5. Recommend response objectives and action options to the IC or HM Officer		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will select decontamination method.	Sheet Number: HMT 7.3.3	
Standard: [NFPA 1072, 2017 Ed.] 7.3.3(B)		
Primary Tasks: Select required decontamination method.		
Candidate Performance	Pass	Fail
1. Assess results of incident analyses, response objectives, action options and the policies and procedures of AHJ		
2. Identify available resources to perform decontamination		
3. Identify required decontamination method		
4. Determine appropriate site for decontamination		
5. Determine level of PPE for responders performing decontamination		
6. Consider comfort due to weather; privacy and security for the victims		
7. Establish decontamination method for personnel, tools and equipment		
8. Complete required reports and documentation as required by AHJ		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will develop a plan of action.	Sheet Number: HMT 7.3.4	
Standard: [NFPA 1072, 2017 Ed.] 7.3.4(B)		
Primary Tasks: Prepare and Incident Action Plan.		
Candidate Performance	Fail	
1 Conducts a risk analysis of hazards on site, considers response objectives, action options and resources.		
2. Develops a site map or sketch:		
3 Develops site work (control) zones		
4 Implements buddy system		
5. Establishes site communications		
6. Establishes a Command Post		
7. Identifies and communicates pre-entry tasks		
8. Follows standard operating procedures and safe work practices		
9. Develops medical assistance and triage plan		
10. Develops a safety and hazard monitoring plan		
11. Develops decontamination procedures		
12. Correctly identifies points for safety briefing		
13. Develops abort criteria		
14. Identifies entry and egress points through decontamination reduction corridor		
15. Develops procedures to preserves and/or collects required legal evidence		
	Pass	Fail
Overall Results (must pass ALL steps)		

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Skill Performance Evaluation

Evaluator Comments		
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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will don, work in and doff PPE as required by the Incident Action Plan.		Sheet Number: HMT 7.4.2- Level A	
Standard: [NFPA 1072, 2017 Ed.] 7.4.2(B)			
Primary Tasks: Demonstrate ability to don, work in and doff Level A vapor protective clothing.			
Candidate Performance			Fail
1. Inspect vapor-protective clothing and SCBA			
a) Inspect SCBA			
b) Inspect suit for:			
- Tears			
- Holes			
- Discoloration			
- Seams/stitches			
- Boot and glove attachments			
- Suit integrity			
- Correct valve placement			
2. Properly don vapor-protective clothing and SCBA ensuring zippers/closures are securely fastened and double checks valves			
3. Work in vapor-protective clothing and SCBA			
4. Verbalize necessity for technical decontamination			
5. Doff vapor-protective clothing and SCBA			
			Pass
			Fail
Overall Results (must pass ALL steps)			
Evaluator Comments			
Location:		Date:	
Candidate (Print):		Candidate (Sign):	
Evaluator (Print):		Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, the candidate(s) will don, work in and doff PPE as required by the Incident Action Plan.		Sheet Number: HMT 7.4.2- Level B	
Standard: [NFPA 1072, 2017 Ed.] 7.4.2(B)			
Primary Tasks: Demonstrate ability to don, work in and doff Level B splash-protective clothing.			
Candidate Performance			Fail
1. Inspect splash-protective clothing and SCBA			
a) Inspect SCBA			
b) Inspect suit for:			
- Tears			
- Holes			
- Discoloration			
- Seams/stitches			
- Suit integrity			
2. Properly don splash protective clothing and SCBA			
a) Ensure zippers/closures are securely fastened			
b) Don SCBA (assistance authorized), make connections and breathe air when applicable			
3. Work in splash-protective clothing and SCBA			
4. Verbalize necessity for technical decontamination			
5. Doff splash-protective clothing and SCBA			
			Pass
			Fail
Overall Results (must pass ALL steps)			
Evaluator Comments			
Location:	Date:	ID Number:	
Candidate (Print):		Candidate (Sign):	
Evaluator (Print):		Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous material/WMD incident, the candidate(s) will verify the presence and concentration of the hazardous material through detection and monitoring; collect samples, preserve required evidence and interpret the results.	Sheet Number: HMT 7.4.3.1 – Verify Presence	
Standard: [NFPA 1072, 2017 Ed.] 7.2.1(B), 7.2.2(B)		
Primary Tasks: Collect, interpret and communicate hazard information.		
Candidate Performance	Pass	Fail
1. Selects required PPE for given assignment		
2. Selects required detection/monitoring equipment for given incident to verify presence and concentration		
3. Safely enters the hazard zone while working in pairs, avoids/minimizes hazards		
4. Verifies the presence and measures the concentration of the material(s)		
5. Collects samples of the materials involved <i>i.e. solids, liquids and/or gases</i>		
6. Takes required steps to preserve necessary evidence		
7. Safely exits the hazard zone while working in pairs, avoids/minimizes Hazards. Proceeds to the decontamination corridor		
8. Results of detection and monitoring equipment are interpreted, recorded and communicated; samples properly handled, secured, marked and documented		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
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Skill Performance Evaluation

<p>Objectives: Given a hazardous materials/ WMD incident, The candidate shall demonstrate the ability to contain the following types of leaks using required tools and materials: (a) bung leak; (b) chime leak; (c) forklift puncture; (d) nail puncture. The candidate shall demonstrate the ability to place the 55-gallon (208L) drum into the overpack drum using the following methods: (a) rolling slide-in; (b) slide-in; (c) slip-over.</p>	<p>Sheet Number: HMT 7.4.3.1 – 55 gallon drum</p>
<p>Standard: [NFPA 1072, 2017 Ed.] 7.4.3.1 &2(B), 7.4.3.3</p>	
<p>Primary Tasks: Control leak from 55-gallon drum.</p>	
Candidate Performance	Fail
1. Contain a 55-Gallon Drum Bung Leak	
a) Tighten leaking bung to contain leak	
b) Contained leaking drum by other means	
c) Upright drum after controlling leak	
2. Contain a 55-Gallon Drum Chime Leak	
a) Turn or upright the drum to a position where product flow ceases	
b) Contained leak by inserting a plug or applying a patch	
3. Contain a 55-Gallon Drum Nail Puncture Leak	
a) Turn or upright the drum to a position where product flow ceases	
b) Contained leak by inserting a plug or applying a patch	
4. Contain a 55-Gallon Forklift Puncture Leak	
a) Used appropriate tools and materials provided by AHJ and contained the leak	
5. Over-Pack Leaking 55-Gallon Drum	
a) Slide-in	
b) Rolling slide-in	
c) Slip-over	
	Pass
	Fail
Overall Results (must pass ALL steps)	

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Skill Performance Evaluation

Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):		Candidate (Sign):
Evaluator (Print):		Evaluator (Sign):

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Skill Performance Evaluation

Objectives: Describe the maintenance, testing, inspection & storage of PPE and tools.	Sheet Number: HMT 7.4.3.1 – Maintaining Tools/Equipment	
Standard: [NFPA 1072, 2017 Ed.] 7.4.2(B),7.4.3.1,2,3,4(B)		
Primary Tasks: Primary Tasks: PPE: The candidate shall describe the procedures to record the use, inspect, repair, test, store, dispose and replace chemical-protective clothing according to AHJ and manufacturer's specifications and recommendations. Tools: Identify the maintenance and inspection procedures for the tools and equipment provided for the control of hazardous materials released according to AHJ and manufacturer's specifications and recommendations.		
Candidate Performance	Pass	Fail
1. Chemical Protective Clothing		
a) Describes the proper maintenance procedures for CPC provided according to manufacturer specifications and AHJ policy		
b) Describes the proper inspection procedures for CPC provided according to manufacturer specifications and AHJ policy		
c) Examines suit for punctures, tears, and worn areas		
d) Describes cleaning and drying procedure <u>or</u> disposal as required by AHJ		
e) Suit inspection results recorded on applicable forms		
f) Suit stored properly		
2. Tools and Equipment		
a) Describes proper maintenance procedures for tools/equipment provided according to manufacturer and AHJ policy		
c) Inspects tools for damage		
d) Cleaned and repaired tools as necessary		
e) Inventory and replace all tools to original location		
	Pass	Fail
Overall Results (must pass ALL steps)		

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Skill Performance Evaluation

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Skill Performance Evaluation

Objectives: The candidate(s) shall demonstrate the maintenance and testing procedures for monitoring, detection and sampling equipment according to manufacturers' recommendations.	Sheet Number: HMT 7.4.3.1 – Monitoring Equip	
Standard: [NFPA 1072, 2017 Ed.] 7.2.1(B)		
Primary Tasks: Demonstrate field maintenance and testing procedures for monitoring equipment.		
Candidate Performance	Fail	
1. Demonstrate proper field testing and inspection procedures.		
a) colormetrics (e.g., tubes, chips, papers)		
b) test strips		
c) reagents		
d) electrochemical cells (e.g.toxic gas sensors)		
e) flammable gas/LEL detectors		
f) thermal imager		
g) oxygen sensors		
h) photoionization detector (PID)		
i) radiation detection and monitoring devices		
	Pass	Fail
Overall Results (must pass ALL steps)		
Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

Objectives: Given a hazardous materials/ WMD incident, The candidate shall demonstrate overpack of damaged or leaking non-bulk radioactive materials container.	Sheet Number: HMT 7.4.3.1 – Radioactive
Standard: [NFPA 1072, 2017 Ed.] 7.4.3.3(B)	
Primary Tasks: Place damaged or leaking radioactive materials container into an overpack container.	
Candidate Performance	Fail
1. Background radiation on meter established.	
2. PPE selection must include respiratory protection	
3. Check for radiation coming from within package: Transport index (TI) on package label compared to meter reading at three feet from package. If greater than the TI a radiation incident will be declared	
4. Over pack leaking material container with suitable overpack container	
5. Close, mark and label the overpack container	
6. Exit hazard zone safely, report to decontamination corridor	
7. Report and document product control measures	
8. Makes necessary notifications as required by AHJ to arrange for product control assistance and/or disposal	
	Pass
	Fail
Overall Results (must pass ALL steps)	
Evaluator Comments	
Location:	Date:
Candidate (Print):	ID Number:
Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):

Colorado Metropolitan Certification Board

Skill Performance Evaluation

Given a hazardous materials/ WMD incident, the candidate(s) will demonstrate mass decontamination.	Sheet Number: HMT 7.4.4.1	
Standard: [NFPA 1072, 2017 Ed.] 7.4.4.1(B)		
Primary Tasks: Perform mass decontamination for ambulatory and non-ambulatory victims.		
Candidate Performance	Fail	
1. Perform decontamination according to IAP and department SOP's		
2. AMBULATORY: The following decontamination steps must be accomplished in the order listed:		
a) Direct ambulatory victims to enter decontamination area and drop belongings		
b) Direct victims through fog stream set to function on low water pressure deluge		
c) Direct removal of personal clothing if deemed necessary		
d) Evaluate the effectiveness of the decontamination process		
e) Clothing replacement		
f) Medical evaluation		
3. NON-AMBULATORY: The following decontamination steps must be accomplished in the order listed:		
a) Ensure the area is properly prepared to accept contaminated non-ambulatory patients		
b) Move non-ambulatory victims through fog stream set to function on low water pressure deluge		
c) Transfer for medical evaluation		
4. Decontaminate Workers		
a) Performed decontamination on each other		
b) Avoided cross-contamination		
c) Ensured contamination tools and equipment were contained in drums		
	Pass	Fail
Overall Results (must pass ALL steps)		

Colorado Metropolitan Certification Board

Skill Performance Evaluation

Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

<p>Given a hazardous materials/ WMD incident, the candidate(s) will perform technical decontamination in support of entry operations.</p>	<p>Sheet Number: HMT 7.4.4.2</p>	
<p>Standard: [NFPA 1072, 2017 Ed.] 7.4.4.2(B)</p>		
<p>Primary Tasks: Perform the technical decontamination process specified in the planned response for entry operation.</p>		
Candidate Performance	Fail	
1. Perform decontamination according to IAP and department SOP's		
2. The following decontamination steps must be accomplished in the order listed:		
a) Enter decontamination area and drop-off tools		
b) Perform a systematic technical decon process and evaluate for effectiveness		
c) Remove protective clothing while protecting for cross contamination		
d) Remove SCBA without breaking face piece seal		
e) Remove personal clothing if contaminated		
f) Personal shower		
g) Clothing replacement if necessary		
h) Medical evaluation		
3. Decontamination Workers		
a) Performed decontamination on each other		
b) Avoided cross-contamination		
c) Ensured contamination tools and equipment were contained in drums, or properly decontaminated		
	Pass	Fail
Overall Results (must pass ALL steps)		

Colorado Metropolitan Certification Board

Skill Performance Evaluation

Evaluator Comments		
Location:	Date:	ID Number:
Candidate (Print):	Candidate (Sign):	
Evaluator (Print):	Evaluator (Sign):	

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Skill Performance Evaluation

<p>Given a hazardous materials/ WMD incident, the candidate(s) will perform technical decontamination for ambulatory and non-ambulatory victims.</p>	<p>Sheet Number: HMT 7.4.4.2 – Victim</p>
<p>Standard: [NFPA 1072, 2017 Ed.] 7.4.4.2(B)</p>	
<p>Primary Tasks: Perform technical decontamination process specified in the planned response for ambulatory and non-ambulatory victims.</p>	
Candidate Performance	Fail
1. Perform decontamination according to IAP and department SOP's	
2. AMBULATORY: The following decontamination steps must be accomplished in the order listed:	
a) Direct ambulatory victims to enter decontamination area and drop belongings	
b) Perform gross decontamination if indicated	
c) Remove clothing	
d) Personal shower	
e) Clothing replacement	
f) Evaluate the effectiveness of the decon process	
g) Medical evaluation	
3. NON-AMBULATORY: The following decontamination steps must be accomplished in the order listed:	
a) Ensure the area is properly prepared to accept contaminated non-ambulatory patients	
b) Remove clothing	
c) Perform emergency/gross decontamination if indicated	
d) Evaluate the effectiveness of the decon process	
e) Transfer for medical evaluation	
4. Decontamination Workers	
a) Perform decontamination on each other	
b) Avoided cross-contamination	
c) Ensured contamination tools and equipment were contained in drums or properly decontaminated	
	Pass
	Fail
Overall Results (must pass ALL steps)	

Colorado Metropolitan Certification Board

Skill Performance Evaluation

Evaluator Comments		
Location:	Date:	ID Number:
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Evaluator (Print):	Evaluator (Sign):	

