



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

**7.2.1, 7.3.2 Perform sampling techniques to identify hazards associated with solid, liquid and gaseous substances**

**JPR - HMT #1**  
Revised: Feb 27, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.1,7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform sampling techniques to identify hazards associated with solid, liquid and gaseous substances.			
<b>PERFORMANCE OUTCOME:</b> The candidate will perform sampling techniques to identify hazards associated with solid, liquid and gaseous substances. The candidate must pass a <b>minimum of 6 out of 8 steps</b> and pass any <b>Must Pass</b> items to successfully complete this skill					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• NAERG</li><li>• PPE</li><li>• Sampling Instruments</li><li>• Reports</li><li>• Radio</li></ul>					
<b>CONDITIONS:</b> Given a hazardous materials incident the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Collect a sample of the material.				
4.	Test the substance using the instrument(s) provided by the AHJ.				
5.	Read, interpret, and repost the results of the test.				
6.	Dispose pf sample in accordance with appropriate regulations.				
7.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
8.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 6 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 6 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Evaluator

Date

Re-Test Candidate

Date



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# **HAZARDOUS MATERIALS TECHNICIAN**

## **NFPA 1072, 2017 Edition**

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**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Collect samples of a hazardous material solid, liquid, or gas

**JPR - HMT #2**  
Revised: March 5, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Collect samples of a hazardous material solid, liquid, or gas.			
<p><b>PERFORMANCE OUTCOME:</b> The candidate will collect samples of a hazardous material solid, liquid, or gas for either public safety sampling or evidence preservation. <b>Proctors' choice of type of sample taken.</b> The candidate must pass a <b>minimum of 4 out of 5 steps</b> including any <b>Must Pass</b> items to successfully complete Public Safety Sampling or pass a <b>minimum of 4 out of 5 steps</b> including any <b>Must Pass</b> items to successfully complete Evidence Preservation.</p>					
<p><b>EQUIPMENT REQUIRED:</b></p> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• PPE</li> <li>• Sampling Instruments</li> <li>• Sampling kits</li> <li>• Certified clean/sterile containers</li> <li>• Reports</li> <li>• Radio</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<b>Public Safety Sampling</b>				
1.	Develop appropriate sampling collection plan for hazard identification.				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Ensure any materials and equipment used for collection are certified "clean" or "sterile" and kept sealed until used.				
4.	Collect the solid, liquid, and/or gas samples in the appropriate containers as per AHJ SOPs. <b>MUST PASS</b>				
5.	Follow all chain-of-custody procedures established by the AHJ.				
	<b>Evidence Preservation</b>				
1.	Develop appropriate evidence collection plan according to AHJ SOPs.				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Ensure any materials and equipment used for collection are certified "clean" or "sterile" and kept sealed until used.				
4.	Collect the solid, liquid, and/or gas samples in the appropriate containers as per AHJ SOPs. <b>MUST PASS</b>				
5.	Follow all chain-of-custody procedures established by the AHJ.				



# HAZARDOUS MATERIALS TECHNICIAN

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### Public Safety Sampling

#### First Test:

Total points needed to pass: 4    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 4    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Evidence Preservation

#### First Test:

Total points needed to pass: 4    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 4    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Evaluator** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

### Evaluator/Candidate Comments:

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.2.1 Perform maintenance and testing on monitoring equipment, test strips, and reagents

**JPR – HMT # 3**  
Revised: March 5, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform maintenance and testing on monitoring equipment, test strips, and reagents.			
<b>PERFORMANCE OUTCOME:</b> The candidate will perform maintenance and testing on monitoring equipment, test strips, and reagents. The candidate must <b>score 100 %</b> to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Monitoring equipment</li><li>• Test strips</li><li>• Reagents</li><li>• Maintenance materials</li></ul>					
<b>CONDITIONS:</b> Given a monitoring equipment, test strips, and/or reagents the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify the device or item that requires testing or maintenance.				
2.	Perform testing and/or maintenance as identified in the manufacturer's instructions and AHJ SOPs.				
3.	Properly document any maintenance or testing performed.				

#### First Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Evaluator

Date

Re-Test Candidate

Date

**Evaluator/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1,7.3.2 Demonstrate proper use of pH meters to identify hazards

**JPR - HMT #4**  
Revised: March 5, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of pH meters to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of pH meters to identify hazards. The candidate must pass a <b>minimum of 10 out of 14 steps</b> , including any <b>MUST PASS</b> items to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• pH meters</li> <li>• calibration equipment</li> <li>• manufacturer's instructions</li> <li>• Cleaning equipment</li> <li>• PPE</li> <li>• Reports/documentation</li> <li>• Radios</li> <li>• Decontamination equipment</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material incident and pH meters, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Turn on the pH meter.				
5.	Remove the protective cap from the electrode.				
6.	Calibrate the pH meter in a test solution with a known pH per manufacturer's instructions.				
7.	Once calibrated, rinse and return the electrode to its operational state per manufacturer's instructions.				
8.	Place the electrode in the liquid to be tested and make note of the reading. <b>MUST PASS</b>				
9.	Report readings according to AHJ's procedures.				
10.	Remove electrode from the liquid, rinse, and return to operational state per manufacturer's instructions.				
11.	Replace the protective cap on the electrode.				
12.	Turn off the pH meter.				
13.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
14.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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**Evaluator** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

### Evaluator/Candidate Comments:

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of a multi-gas meter to identify hazards

**JPR - HMT #5**  
Revised: March 5, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of a multi-gas meter (carbon monoxide, oxygen, combustible gases, multi-gas, and others) to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of a multi-gas meter (carbon monoxide, oxygen, combustible gases, multi-gas, and others) to identify hazards. The candidate must pass a <b>minimum of 8 out of 11</b> steps including any <b>MUST PASS</b> items to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• Radios</li> <li>• Multi-gas meter</li> <li>• Manufacturer's instructions</li> <li>• PPE</li> <li>• Decontamination equipment</li> <li>• Reports/documentation</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Select the monitor and identify the gases it will detect.				
5.	Perform a bump test to ensure the meter is functioning properly.				
6.	Perform a "fresh air" calibration of the monitor prior to entry.				
7.	Properly monitor the area per AHJ's requirements. <b>MUST PASS</b>				
8.	Report results according to AHJ's requirements.				
9.	When monitoring is complete, turn off the instrument.				
10.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
11.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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Evaluator (Print & Sign)	Date	Candidate	Date
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Re-Test Evaluator	Date	Re-Test Candidate	Date
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Evaluator/Candidate Comments:

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of colorimetric tubes to identify hazards

**JPR - HMT #6**  
Revised: March 5, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of colorimetric tubes to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of colorimetric tubes to identify hazards. The candidate pass a <b>minimum of 10 out of 13 steps</b> , including any <b>MUST PASS</b> items to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• Radios</li> <li>• Colorimetric tubes</li> <li>• Manufacturer's instructions</li> <li>• Decontamination equipment</li> <li>• PPE</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Use manufacturer's instruction manual to select the proper colorimetric tube for sampling and check expiration dates for the tube.				
4.	Perform a functional test to check device per manufacturer's instructions to ensure correct operation.				
5.	Reset the counter.				
6.	Properly break both ends off of the tube(s) using the provided cutter.				
7.	Insert the tube into the hand pump in the proper direction				
8.	Hold the tip of the tube an appropriate distance away from the product or container opening, taking care not to come into contact with any solid or liquid product. <b>MUST PASS</b>				
9.	Sample the product based on manufacturer's instructions. <b>MUST PASS</b>				
10.	Remove the tube from the pump and read, interpret, and record the results per manufacturer's instructions. <b>MUST PASS</b>				
11.	Dispose of sampling tube in accordance with appropriate regulations.				
12.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
13.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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**Evaluator** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.2.1, 7.3.2 Demonstrate proper use of pH paper to identify hazards

**JPR - HMT #7**  
Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of pH paper to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of pH paper to identify hazards. The candidate must pass a <b>minimum of 7 out of 10 steps</b> including any <b>MUST PASS</b> items to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• NAERG</li><li>• Radios</li><li>• pH paper</li><li>• Reports/documentation</li><li>• Decontamination equipment</li><li>• Manufacturer's instructions</li><li>• PPE</li></ul>					
<b>CONDITIONS:</b> Given a hazardous material incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Inspect the paper to ensure it has not been exposed or expired.				
4.	Remove a piece of appropriate size pH paper from the roll or remove strip from the container and secure the paper.				
5.	Sample the product. <b>MUST PASS</b>				
6.	Compare results to pH paper color scale to determine if the product is an acid, a base, or neutral. <b>MUST PASS</b>				
7.	Report results according to AHJ's procedures.				
8.	Dispose of pH papers in accordance with appropriate regulations.				
9.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
10.	Complete required reports and supporting documentation.				

#### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Evaluator** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of reagent test paper to identify hazards

**JPR - HMT #8**  
Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of reagent test paper to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of reagent test paper to identify hazards. The candidate must pass a <b>minimum of 7 out of 10 steps</b> , including all <b>MUST PASS</b> items to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• NAERG</li><li>• Radios</li><li>• Reagent test paper</li><li>• PPE</li><li>• Decontamination equipment</li><li>• Reports/documentation</li><li>• Manufacturer's instructions</li></ul>					
<b>CONDITIONS:</b> Given a hazardous material incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Inspect the test paper to ensure it has not been exposed or expired.				
4.	Remove a piece of appropriate size reagent test paper.				
5.	Sample the product. <b>MUST PASS</b>				
6.	Identify any colour changes to the reagent test paper and compare them with the provided reference. <b>MUST PASS</b>				
7.	Report results according to AHJ's procedures.				
8.	Dispose of reagent test paper in accordance with appropriate regulations.				
9.	Decontaminate equipment and return to operational status per manufacturer's instructions.				
10.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Evaluator** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of radiation detection instruments to identify and monitor hazards

**JPR – HMT #9**

Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of radiation detection instruments to identify and monitor hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall demonstrate proper use of radiation detection instruments to identify and monitor hazards. The candidate must score a <b>minimum of 10 out of 13 steps</b> , including all <b>MUST PASS</b> items, in order to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• NAERG</li><li>• Radios</li><li>• Radiation detection instruments</li><li>• Manufacturer's instructions</li><li>• Decontamination equipment</li></ul>					
<b>CONDITIONS:</b> Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Ensure that the monitor has been maintained and appropriately calibrated according to AHJ's SOPs and manufacturer's instructions.				
5.	Turn on the meter and test detector against check source.				
6.	Acquire background radiation levels. <b>MUST PASS</b>				
7.	Properly monitor the area per AHJ's requirements.				
8.	Determine the presence of ionizing radiation. <b>MUST PASS</b>				
9.	Compare radiation values to AHJ's SOPs. Record results.				
10.	Report results according to AHJ's requirements.				
11.	When monitoring is complete, turn off the instrument.				
12.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
13.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

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**Evaluator (Print & Sign)**

**Date**

**Candidate**

**Date**

**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of dosimeters to identify personal dose received

**JPR - HMT #10**

Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of dosimeters to identify personal dose received.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of dosimeters to identify personal dose received. The candidate must score a <b>minimum of 10 out of 13 steps</b> , including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• Radios</li> <li>• Dosimeters</li> <li>• Manufacturer's instructions</li> <li>• Decontamination equipment</li> <li>• PPE</li> <li>• Reports/documentation</li> </ul>					
<b>CONDITIONS:</b> Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Ensure the device is properly calibrated.				
5.	Log the dosimeter to you.				
6.	Ensure the dosimeter reads zero.				
7.	Don the dosimeter per manufacturer's instructions.				
8.	Perform mission activity.				
9.	Doff the dosimeter.				
10.	Follow manufacturer's instructions and AHJ's procedures regarding dosimeters analysis. <b>MUST PASS</b>				
11.	Report results per AHJ's procedures.				
12.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
13.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Evaluator (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Evaluator**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1, 7.3.2 Demonstrate proper use of photoionization detectors to identify hazards

**JPR - HMT #11**

Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.1, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Demonstrate proper use of photoionization detectors to identify hazards.			
<b>PERFORMANCE OUTCOME:</b> The candidate will demonstrate proper use of photoionization detectors to identify hazards. The candidate must pass a <b>minimum of 8 out of 11 steps</b> , including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• NAERG</li> <li>• PPE</li> <li>• Decontamination equipment</li> <li>• Radios</li> <li>• Manufacturer's instructions</li> <li>• Photoionization detector</li> <li>• Reports/documentation</li> </ul>					
<b>CONDITIONS:</b> Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Perform a "fresh air" calibration.				
5.	Operate the device per manufacturer's instructions and AHJ's procedures.				
6.	Properly monitor the area per AHJ's requirements. <b>MUST PASS</b>				
7.	Identify correction factors and apply them as necessary.				
8.	Report results per AHJ's requirements.				
9.	When monitoring is complete, turn off the device.				
10.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
11.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



**HAZARDOUS MATERIALS TECHNICIAN**  
**NFPA 1072, 2017 Edition**

<b>Evaluator (Print &amp; Sign)</b>	<b>Date</b>	<b>Candidate</b>	<b>Date</b>
<b>Re-Test Evaluator</b>	<b>Date</b>	<b>Re-Test Candidate</b>	<b>Date</b>

**Evaluator/Candidate Comments:**




# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.1,7.3.2 Demonstrate the use of a noncontact thermal detection device to identify hazards

**JPR – HMT #12**

Revised: March 6, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

**STANDARD:** 7.2.1, 7.3.2  
NFPA 1072, 2017 Edition

**TASK:** Demonstrate the use of a noncontact thermal detection device to identify hazards.

**PERFORMANCE OUTCOME:** The candidate shall demonstrate the use of a noncontact thermal detection device to identify hazards. The candidate must pass a **minimum of 7 out of 10 steps**, including all **MUST PASS** items, in order to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- Radios
- NAERG
- Noncontact thermal detection device
- Manufacturer's instructions
- Decontamination equipment
- Reports/documentation

**CONDITIONS:** Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
3.	Perform initial inspection to ensure device is serviceable.				
4.	Insert appropriate batteries and turn on the thermal detector.				
5.	Standing as close as safely possible, use the aiming laser to assess the target from the lowest point on the target and scan up slowly and methodically. <b>MUST PASS</b>				
6.	Record results.				
7.	When monitoring is complete, turn off the device.				
8.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
9.	Return to proper storage per manufacturer's instructions.				
10.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.2.3, 7.3.2 Evaluate the condition of a hazardous materials container

JPR – HMT #13

Revised: March 6, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.3, 7.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Evaluate the condition of a hazardous materials container.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall evaluate the condition of a hazardous materials container. The candidate must pass a <b>minimum of 6 out of 8 steps</b> , including all <b>MUST PASS</b> items, in order to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Radios</li><li>• PPE</li><li>• Containers</li><li>• Decontamination equipment</li></ul>					
<b>CONDITIONS:</b> Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Select and use proper PPE. <b>MUST PASS</b>				
2.	Inspect container and its closures.				
3.	Assess condition of container and closure, including types of damage and stress.				
4.	Identify level of risk associated with container and closure damage and stress. <b>MUST PASS</b>				
5.	Follow safety procedures. <b>MUST PASS</b>				
6.	Avoid/minimize hazards.				
7.	Decontaminate personnel, tools, and equipment.				
8.	Communicate condition of container and closures and level of risk associated with this condition.				

#### First Test:

Total points needed to pass: 6 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 6 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.3.1 Develop response objectives and response options for a hazmat/WMD incident

JPR- HMT #14

Revised March 7, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.3.1 2017 Edition		<b>TASK:</b> Develop response objectives and response options for a hazmat/WMD incident.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall develop response objectives and response options for a hazmat/WMD incident. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• NAREG</li><li>• Reference resources</li><li>• Radios</li></ul>					
<b>CONDITIONS:</b> Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify or develop response objectives for the incident.				
2.	Identify or develop response options for each response objective.				
3.	Make recommendations for response objectives and response options to the Incident Commander or hazardous materials officer.				

#### First Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

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Date



# **HAZARDOUS MATERIALS TECHNICIAN**

## **NFPA 1072, 2017 Edition**

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**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.4, 7.3.2 Predict the likely behaviour of materials when multiple hazardous materials are involved

**JPR- HMT #15**

Revised March 7, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.4, 7.3.2 2017 Edition		<b>TASK:</b> Predict the likely behaviour of materials when multiple hazardous materials are involved in an incident.			
<p><b>PERFORMANCE OUTCOME:</b> The candidate shall predict the likely behaviour of materials when multiple hazardous materials are involved in an incident. The candidate must pass a <b>minimum of 9 out of 12 steps</b>, including all <b>MUST PASS</b> items, to successfully complete this skill.</p>					
<p><b>Equipment:</b></p> <ul style="list-style-type: none"> <li>• PPE</li> <li>• Reference resources</li> <li>• Monitoring equipment</li> <li>• Containers</li> <li>• Decontamination equipment</li> <li>• Radios</li> <li>• Reports/documentation</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat incident involving multiple hazardous materials, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Collect hazard and response information				
2.	Interpret hazard and response information.				
3.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
4.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
5.	Inspect containers and closures.				
6.	Assess condition of containers and closures, including types of damage and stress.				
7.	Identify level of risk associated with containers and closure damage and stress. <b>MUST PASS</b>				
8.	Predict likely behaviour of materials. <b>MUST PASS</b>				
9.	Identify any reactivity issues associated with mixing various hazardous materials. <b>MUST PASS</b>				
10.	Communicate the predicted behaviour.				
11.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
12.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.2.5, 7.3.2 Estimate the potential outcome of a hazmat/WMD incident

**JPR- HMT #16**

Revised March 7, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.5, 7.3.2 2017 Edition		<b>TASK:</b> Estimate the potential outcome of a hazmat/WMD incident.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall estimate the potential outcome of a hazmat/WMD incident. The candidate must score a <b>minimum of 7 out of 10 steps</b> , including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"> <li>• PPE</li> <li>• Reference resources</li> <li>• Monitoring equipment</li> <li>• Decontamination equipment</li> <li>• Radios</li> <li>• Reports/documentation</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Analyze the incident using resources and equipment.				
2.	Ensure proper detection, monitoring, or sampling method and equipment is chosen. <b>MUST PASS</b>				
3.	Ensure that all responders are wearing appropriate PPE. <b>MUST PASS</b>				
4.	Determine concentration of materials within the endangered area.				
5.	Identify the physical, health, and safety hazards within the endangered area.				
6.	Identify the areas of potential harm within the endangered area.				
7.	Estimate the potential outcomes in the endangered area. <b>MUST PASS</b>				
8.	Communicate the potential outcomes.				
9.	Decontaminate equipment and return to operational state per manufacturer's instructions.				
10.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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<b>Proctor (Print &amp; Sign)</b>	<b>Date</b>	<b>Candidate</b>	<b>Date</b>
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<b>Re-Test Proctor</b>	<b>Date</b>	<b>Re-Test Candidate</b>	<b>Date</b>
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**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.3.4 Develop a site safety and control plan

**JPR- HMT #17**  
Revised March 7, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.3.4 NFPA 1072 2017 Edition		<b>TASK:</b> Develop a site safety and control plan.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall develop a site safety and control plan. The candidate must pass a <b>minimum of 7 out of 10 steps</b> , including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"><li>Reference Resources</li><li>Emergency response plan</li><li>paper/pens</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify tasks and resources required to meet response objectives.				
2.	Address specified response objectives and options.				
3.	Ensure plan is consistent with emergency response plan and policies and procedures.				
4.	Ensure plan is within the capability of available resources, including personnel.				
5.	Prepare an incident action plan.				
6.	Identify site safety and control components.				
7.	Identify points for a safety briefing.				
8.	Identify pre-entry tasks.				
9.	Identify atmospheric and physical safety hazards (if confined space is involved).				
10.	Collect and preserve legal evidence.				

### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Proctor (Print & Sign)**

**Date**

**Candidate**

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**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.1 Perform the duties of an assigned function within the Incident Command System

**JPR- HMO #18**

Revised March 7, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.1 2017 Edition		<b>TASK:</b> Perform the duties of an assigned function within the Incident Command System.			
<b>PERFORMANCE OUTCOME:</b> The candidate will perform the duties of an assigned function within the Incident Command System. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• Radios</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Performed assigned duties in the Hazardous Materials Branch or group organization.				
2.	Communicate observations to Hazardous Materials Branch Director/Supervisor, ICS section Chief, or Incident Commander.				

### First Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.5.1 Assess and communicate progress of assigned tasks at a hazmat/WMD incident

**JPR- HMT #19**

Revised March 7, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.5.1 NFPA 1072 2017 Edition		<b>TASK:</b> Assess and communicate progress of assigned tasks at a hazmat/WMD incident.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall assess and communicate progress of assigned tasks at a hazmat/WMD incident. The candidate must score a minimum of 3 out of 4 steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• Radios</li><li>• Emergency response plan</li><li>• Reference resources</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Compare actual behaviour of material and container to predicted behaviour.				
2.	Determine effectiveness of response options and actions in accomplishing response objectives.				
3.	Modify response options and actions based on incident status review.				
4.	Communicate status of response options and actions.				

#### First Test:

Total points needed to pass: 4 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 4 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.3.2 Select PPE appropriate to a hazardous materials/WMD incident

**JPR- HMT #20**

Revised March 8, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.3.2 NFPA 1072 2017 Edition		<b>TASK:</b> Select PPE appropriate to a hazardous materials/WMD incident.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall select PPE appropriate to a hazardous materials/WMD incident. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• Radios</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Select PPE ensemble for a specified response option based on all identified hazards.				
2.	Determine effectiveness of protective clothing based on its uses and limitations.				

### First Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

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Date

Evaluator/Supervisor Comments:

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.2 Don, work in, undergo technical decontamination while wearing, and doff firefighting personal protective equipment

**JPR- HMT #21**

Revised March 8, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.2 2017 Edition		<b>TASK:</b> Don, work in, undergo technical decontamination while wearing, and doff firefighting personal protective equipment.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall don, work in, undergo technical decontamination while wearing, and doff firefighting personal protective equipment. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>Equipment:</b>					
<ul style="list-style-type: none"> <li>• PPE</li> <li>• SCBA</li> <li>• Decontamination equipment</li> <li>• Radios</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE and SCBA for damage or defects.				
2.	Don protective trousers and boots.				
3.	Don protective hood, pulling hood down around neck and exposing head.				
4.	Don protective coat.				
5.	Don SCBA.				
	a. Ensure cylinder is full (within 90 %)				
	b. Ensure valve is fully open				
	c. Listen for low air alarm				
	d. Listen for PASS device				
	e. Ensure remote gauge matches cylinder gauge (within 100 psi)				
6.	Don SCBA facepiece and ensure a proper fit and seal.				
7.	Pull hood up completely so that facepiece straps and skin are not exposed.				
8.	Don helmet and secure.				
9.	Don gloves.				
10.	Ensure that all fasteners, straps, buckles, etc are fastened.				
11.	Ensure that no skin is exposed.				
12.	Attach SCBA regulator to facepiece and make sure SCBA is functioning properly.				
13.	Perform pre-entry checks according to AHJ's SOPs.				
14.	Perform work assignment.				
15.	Undergo technical decontamination per AHJ's SOPs.				
16.	Doff PPE in reverse order according to AHJ's SOPs, avoiding contact with outer ensemble or surfaces that may be contaminated.				
17.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 17 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 17 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Date**

**Candidate**

**Date**

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**Date**

**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.2 Don, work in, undergo technical decontamination while wearing, and doff a Level C ensemble

**JPR- HMT #22**

Revised March 8, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.2 NFPA 1072 2017 Edition		<b>TASK:</b> Don, work in, undergo technical decontamination while wearing, and doff a Level C ensemble.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall don, work in, undergo technical decontamination while wearing, and doff a Level C ensemble. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>Equipment:</b> <ul style="list-style-type: none"> <li>• Level C ensemble</li> <li>• Decontamination equipment</li> <li>• Radios</li> <li>• Manufacturer's instructions</li> <li>• Respirator</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE for damage or defects.				
2.	Don Level C PPE and secure closures.				
3.	Don work boots.				
4.	Pull ensemble leg opening over the top of the work boots.				
5.	Don respirator.				
6.	Pull ensemble hood up completely so that facepiece straps and skin are not exposed.				
7.	Don inner protective gloves.				
8.	Don outer protective gloves.				
9.	Pull ensemble sleeves over the outside of the gloves.				
10.	Breathe through respirator and ensure that respirator is functioning properly.				
11.	Perform pre-entry checks as per AHJ's SOPs.				
12.	Perform work assignment.				
13.	After assignment has been performed, proceed to decontamination line.				
14.	Undergo technical decontamination as per AHJ's SOPs, avoiding contact with outer ensemble or surfaces that may be contaminated.				
15.	Doff ensemble according to AHJ's SOPs, avoiding contact with outer ensemble or surfaces that may be contaminated.				
16.	Doff respirator according to AHJ's SOPs.				
17.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				
18.	Return to proper storage as per manufacturer's instructions.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 18 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 18 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.2 Don, work in, undergo technical decontamination while wearing, and doff liquid splash-protective clothing

**JPR- HMT #23**

Revised March 8, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.2 NFPA 1072 2017 Edition		<b>TASK:</b> Don, work in, undergo technical decontamination while wearing, and doff liquid splash-protective clothing.			
<p><b>PERFORMANCE OUTCOME:</b> The candidate shall don, work in, undergo technical decontamination while wearing, and doff liquid splash-protective clothing. The candidate must score <b>100 %</b> to successfully complete this skill.</p> <p><b>NOTE:</b> Assistance is to be provided by crew members to the person donning the ensemble.</p>					
<p><b>Equipment:</b></p> <ul style="list-style-type: none"> <li>• Liquid splash-protective clothing</li> <li>• SCBA</li> <li>• Radios</li> <li>• Decontamination equipment</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE and SCBA for damage or defects.				
2.	Perform pre-entry medical monitoring as per SOPs.				
3.	Don liquid-splash PPE and secure closures.				
4.	Don work boots according to AHJ's SOPs.				
5.	Don SCBA. <ul style="list-style-type: none"> <li>a. Ensure cylinder is full (within 90 %)</li> <li>b. Ensure valve is fully open</li> <li>c. Listen for low air alarm</li> <li>d. Listen for PASS device</li> <li>e. Ensure remote gauge matches cylinder gauge (within 100 psi)</li> </ul>				
6.	Don SCBA facepiece and ensure a proper fit and seal.				
7.	Pull ensemble hood up completely so that facepiece straps and skin are not exposed.				
8.	Don protective head gear (if required by AHJ).				
9.	Don inner protective gloves.				
10.	Don outer protective gloves.				
11.	Attach SCBA regulator to facepiece and ensure proper operation.				
12.	Perform pre-entry checks according to AHJ's SOPs.				
13.	Perform work assignment.				
14.	Undergo technical decontamination as per AHJ's SOPs.				
15.	Remove PPE in reverse order of donning, avoiding contact with outer ensemble or surfaces that may be contaminated.				
16.	Ensure medical monitoring is performed as per AHJ's SOPs.				
17.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				
18.	Return to proper storage as per manufacturer's instructions.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 18 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 18 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Evaluator/Supervisor Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.2 Don, work in, undergo technical decontamination while wearing, and doff vapour protective clothing

**JPR – HMT # 24**

Revised: March 8, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.2 NFPA 1072 2017 Edition		<b>TASK:</b> Don, work in, undergo technical decontamination while wearing, and doff vapour protective clothing.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall don, work in, undergo technical decontamination while wearing, and doff vapour protective clothing. The candidate must score <b>100 %</b> to successfully complete this skill. <b>NOTE:</b> Assistance is to be provided by crew members to the person donning the ensemble.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Vapour protective clothing</li> <li>• Self-contained breathing apparatus</li> <li>• Decontamination equipment</li> <li>• Radios</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE and SCBA for damage or defects.				
2.	Perform pre-entry medical monitoring as per SOPs.				
3.	Ensure ensemble is the correct size.				
4.	Remove shoes, belts, and any objects that could damage ensemble.				
5.	Don ensemble according to AHJ's SOPs.				
6.	Don SCBA. <ul style="list-style-type: none"> <li>a. Ensure cylinder is full (within 90 %)</li> <li>b. Ensure valve is fully open</li> <li>c. Listen for low air alarm</li> <li>d. Listen for PASS device</li> <li>e. Ensure remote gauge matches cylinder gauge (within 100 psi)</li> </ul>				
7.	Turn on air supply, don SCBA facepiece, check seal and breathe normally to ensure SCBA operates properly.				
8.	Don protective head gear (if required by AHJ).				
9.	Perform pre-entry checks according to AHJ's SOPs.				
10.	Perform work assignment.				
11.	Undergo technical decontamination as per AHJ's SOPs.				
12.	Remove PPE in reverse order of donning, avoiding contact with outer ensemble or surfaces that may be contaminated.				
13.	Ensure medical monitoring is performed as per AHJ's SOPs.				
14.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				
15.	Return to proper storage as per manufacturer's instructions.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 15 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 15 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.2 Inspect, test, maintain, and document chemical protective clothing serviceability

JPR – HMT # 25

Revised: March 13, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Inspect, test, maintain, and document chemical protective clothing serviceability.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall inspect, test, maintain, and document chemical protective clothing serviceability. The candidate must score a <b>minimum of 7 out of 10</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Chemical protective clothing</li><li>• Testing equipment</li><li>• Documentation materials</li></ul>					
<b>CONDITIONS:</b> Given chemical protective clothing, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure the suit's serviceability as per AHJ's SOPs. <b>MUST PASS</b>				
2.	Visually inspect both the interior and exterior of the suit looking for damage or defects.				
3.	Visually inspect the suit for any changes to the suit material.				
4.	Check to ensure the zipper functions correctly.				
5.	Check the function of all valves and passthroughs if applicable.				
	<b>Testing (Pressure Test)</b> <b>Note: These steps are applicable to vapour-protective suits.</b>				
6.	Test suit according to manufacturer's recommendations.				
7.	Check and record pressure as per manufacturer's recommendations.				
	<b>Maintenance</b>				
8.	Maintain suit according to manufacturer's recommendations.				
	<b>Documentation</b>				
9.	Document all findings during the inspection as per AHJ's requirements and remove any suits with defects or malfunctions from service. <b>MUST PASS</b>				
10.	Return to proper storage as per manufacturer's instructions.				

#### First Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 7 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.4.1 Perform mass decontamination on ambulatory people

JPR – HMT # 26

Revised: March 13,2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.4.1  
NFPA 1072, 2017 Edition

**TASK:** Perform mass decontamination on ambulatory people.

**PERFORMANCE OUTCOME:** The candidate shall perform mass decontamination on ambulatory people. The candidate must pass a **minimum of 12 out of 17** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- Personal protective equipment
- Decontamination equipment
- Fire apparatus
- Fog nozzles

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper decontamination method has been chosen to minimize hazards. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE for performing mass decontamination operations. <b>MUST PASS</b>				
3.	Ensure decontamination operations are set up in a safe area.				
4.	Ensure the decontamination corridor provides privacy for victims.				
5.	Prepare fire apparatus for use during mass decontamination.				
6.	Set fire nozzle to fog pattern.				
7.	Instruct all people to go through mass decontamination.				
8.	Instruct each person to remove contaminated clothing, ensuring that victims do not come into further contact with any contaminants.				
9.	Instruct each person to keep arms raised as they proceed slowly through the wash area.				
10.	Monitor for additional contamination using the appropriate detection device.				
11.	If contamination is found, instruct each person to go through the wash again. <b>MUST PASS</b>				
12.	Instruct each person to move to a clean area to dry off.				
13.	Send each person for medical treatment.				
14.	Inform EMS personnel of contaminant involved and its hazards, if known. <b>MUST PASS</b>				
15.	Ensure personnel, tools, and equipment are decontaminated.				
16.	Terminate decontamination operations according to AHJ's policies and procedures.				
17.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.4.1 Perform mass decontamination on non-ambulatory victims

JPR – HMT # 27

Revised: March 13, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.4.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform mass decontamination on non-ambulatory victims.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall perform mass decontamination on non-ambulatory victims. The candidate must score a <b>minimum of 12 out of 17 steps</b> , including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Decontamination equipment</li> <li>• Fire apparatus</li> <li>• Fog nozzles</li> <li>• Backboard/litter/stokes basket etc</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper decontamination method has been chosen to minimize hazards. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE for performing mass decontamination operations. <b>MUST PASS</b>				
3.	Establish mass decontamination corridor for non-ambulatory decontamination in a safe location and according to the AHJ's SOPs.				
4.	Ensure the decontamination corridor provides privacy for victims.				
5.	Establish an initial triage point to evaluate and direct victims.				
6.	Perform lifesaving intervention if necessary. <b>MUST PASS</b>				
7.	Transfer the victims to the non-ambulatory wash area of the decontamination station on an appropriate backboard/litter device.				
8.	Remove all clothing, jewelry, and personal belongings, and place in appropriate containers. Decontaminate as required and safeguard personal belongings and items. Use plastic bags with labels for identification.				
9.	Carefully undress non-ambulatory victims and avoid spreading the contamination when undressing. Do not touch the outside of the clothing to the skin.				
10.	Completely wash each victim's entire body using handheld hoses, sponges, and/or brushes and then rinse following AHJ's SOPs for safety.				
11.	Transfer the victims from the wash and rinse stations to a drying station after completing the decontamination process. Ensure that the victims are completely dry.				
12.	Monitor for additional contamination using appropriate detection device.				
13.	If contamination is detected, repeat the decontamination wash and/or change decontamination as appropriate. <b>MUST PASS</b>				
14.	Have on-scene medical personnel re-evaluate the victims' injuries.				
15.	Ensure personnel, tools, and equipment are decontaminated.				
16.	Terminate decontamination operations according to AHJ's policies				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

17.	Complete required reports and supporting documentation.				
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### First Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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

### Proctor/Candidate Comments:

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.4.2 Perform technical decontamination on ambulatory people

JPR – HMT # 28

Revised: March 13, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.4.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform technical decontamination on ambulatory people.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall perform technical decontamination on ambulatory people. The candidate must pass a minimum of <b>12 out of 16</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Technical decontamination equipment</li> <li>• Water supply</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper decontamination method has been chosen to minimize hazards. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE for performing technical decontamination operations. <b>MUST PASS</b>				
3.	Establish technical decontamination corridor for ambulatory decontamination according to the AHJ's SOPs.				
4.	Ensure the decontamination corridor provides privacy for victims.				
5.	Establish an initial triage point to evacuate and direct persons.				
6.	Perform lifesaving intervention if needed. <b>MUST PASS</b>				
7.	If not an emergency responder, instruct person to remove potentially contaminated clothing and jewelry, ensuring he/she does not come in further contact with contaminants. Emergency responders may drop tools or equipment.				
8.	Instruct person to undergo gross decontamination.				
9.	Instruct the person to undergo secondary decontamination wash. If the person is an emergency responder, the responder will doff PPE, ensuring he/she does not come in further contact with contaminants.				
10.	Instruct the person to enter the privacy station, remove undergarments, and shower and wash thoroughly from the top down.				
11.	Provide a clean garment for the person to wear after showering.				
12.	Monitor for additional contamination using the appropriate detection device. <b>MUST PASS</b>				
13.	Direct the person to the medical evaluation station.				
14.	Ensure personnel, tools, and equipment are decontaminated. <b>MUST PASS</b>				
15.	Terminate decontamination operations according to AHJ's policies and procedures.				
16.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 12   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 12   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.4.2 Perform technical decontamination on non-ambulatory victims

JPR – HMT # 29

Revised: March 14, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.4.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform technical decontamination on non-ambulatory victims.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall perform technical decontamination on non-ambulatory victims. The candidate must score a minimum of <b>12 out of 16</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Technical decontamination equipment</li> <li>• Water supply</li> <li>• Litter/stokes basket/backboard etc</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper decontamination method has been chosen to minimize hazards. <b>MUST PASS</b>				
2.	Ensure that all responders are wearing appropriate PPE for performing technical decontamination operations. <b>MUST PASS</b>				
3.	Establish technical decontamination corridor for non-ambulatory decontamination according to the AHJ's SOPs.				
4.	Ensure the decontamination corridor provides privacy for the victims.				
5.	Establish an initial triage point to evaluate and direct victims.				
6.	Perform lifesaving intervention if needed. <b>MUST PASS</b>				
7.	Transfer the victim to the non-ambulatory wash area of the decontamination station on an appropriate backboard/litter device.				
8.	Remove all clothing, jewelry, and personal belongings, and place in appropriate containers. Decontaminate items as required, and safeguard. Use plastic bags with labels for identification.				
9.	Carefully undress non-ambulatory victims, and avoid spreading the contamination when undressing. Do not touch the outside of the clothing to the skin. <b>MUST PASS</b>				
10.	Completely wash the victim's entire body using handheld hoses, sponges, and/or brushes, and then rinse.				
11.	Transfer the victim from the wash and rinse stations to a drying station after completing the decontamination process. Ensure the victim is completely dry.				
12.	Monitor for additional contamination using the appropriate detection device. <b>MUST PASS</b>				
13.	If contamination is detected, repeat decontamination wash and/or change decontamination method as appropriate. <b>MUST PASS</b>				
14.	Ensure personnel, tools, and equipment are decontaminated.				
15.	Terminate decontamination operations according to AHJ's policies and procedures.				
16.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 12   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 12   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.3.3 Select a decontamination method appropriate to a hazmat/WMD incident

JPR – HMT # 30

Revised: March 14, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.3.3 NFPA 1072, 2017 Edition		<b>TASK:</b> Select a decontamination method appropriate to a hazmat/WMD incident.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall select a decontamination method appropriate to a hazmat/WMD incident. The candidate must score a <b>100 %</b> to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Personal protective equipment</li><li>• Decontamination equipment</li><li>• Water supply</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify decontamination method to minimize hazards for each response option (operations and methods).				
2.	Identify equipment required to implement decontamination methods (operations and methods).				

#### First Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform absorption/adsorption

JPR – HMT # 31

Revised: March 14, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Perform absorption/adsorption.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall Perform absorption/adsorption. The candidate must pass a <b>minimum of 8 out of 11</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Firefighting foam</li> <li>• Adsorbent</li> <li>• Absorbent</li> <li>• Hazardous liquid spill</li> <li>• Full protective clothing</li> <li>• Self-contained breathing apparatus</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing absorption/adsorption operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the absorption/adsorption operation.				
4.	Select the most appropriate sorbent/adsorbent.				
5.	Deploy the sorbent/adsorbent in a manner that most efficiently controls the spill.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.1 Perform Damming

JPR – HMT # 32

Revised: March 15, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using damming.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using damming. The candidate must pass a <b>minimum of 7 out of 9</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>Personal protective equipment</li> <li>Self-contained breathing apparatus</li> <li>Shovels</li> <li>Rakes</li> <li>Containers</li> <li>dirt, sand or hay</li> <li>Plastic sheeting</li> <li>Leaking container</li> <li>Radios</li> <li>Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing damming operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform damming operation.				
4.	Construct the dam in a manner and location that most effectively controls the spill. <b>MUST PASS</b>				
5.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
6.	Seal and label the container and document appropriate information for department records.				
7.	Decontaminate tools.				
8.	Advance to decontamination line for decontamination.				
9.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 7   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform Diking Operations

JPR – HMT # 33

Revised: March 18, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using diking.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using diking. The candidate must pass a <b>minimum of 7 out of 10</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Self-contained breathing apparatus</li> <li>• Shovels</li> <li>• Rakes</li> <li>• Containers</li> <li>• dirt, sand or hay</li> <li>• Plastic sheeting</li> <li>• Leaking container</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing diking operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the diking operation.				
4.	Construct the dike in a manner and location that most effectively controls the spill and directs the spill to a desired location. <b>MUST PASS</b>				
5.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
6.	Seal and label the container and document appropriate information for department records.				
7.	Decontaminate tools.				
8.	Advance to decontamination line for decontamination.				
9.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
10.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 7    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 7    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.1 Perform Diversion

**JPR – HMT # 34**

Revised: March 18, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using diversion.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using diversion. The candidate must pass a minimum of <b>8 out of 11</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>Personal protective equipment</li> <li>Self-contained breathing apparatus</li> <li>Shovels</li> <li>Rakes</li> <li>Containers</li> <li>dirt, sand or hay</li> <li>Plastic sheeting</li> <li>Leaking container</li> <li>Radios</li> <li>Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing diversion operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the diversion operation.				
4.	Construct the diversion in a manner and location that most effectively controls the spill and directs the spill to a desired location. <b>MUST PASS</b>				
5.	Working as a team, use hand tools to break the soil, remove the soil, pile the soil, and pack the soil tightly.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations				
11.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 8   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 8   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform retention

JPR – HMT # 35

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using retention.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using retention. The candidate must score a <b>minimum of 8 out of 11</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Self-contained breathing apparatus</li> <li>• Shovels</li> <li>• Rakes</li> <li>• Containers</li> <li>• dirt, sand or hay</li> <li>• Plastic sheeting</li> <li>• Leaking container</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing retention operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the retention operation.				
4.	Evaluate the rate of flow of the leak to determine the required capacity of the retention vessel.				
5.	Working as a team, retain the hazardous liquid so that it can no longer flow. <b>MUST PASS</b>				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform dilution

JPR – HMT # 36

Revised: March 18, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using dilution.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using dilution. The candidate must pass a <b>minimum of 10 out of 13</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Personal protective equipment</li> <li>• Self-contained breathing apparatus</li> <li>• Shovels</li> <li>• Rakes</li> <li>• Containers</li> <li>• dirt, sand or hay</li> <li>• Plastic sheeting</li> <li>• Leaking container</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing dilution operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the dilution operation.				
4.	Evaluate the rate of flow of the leak to determine the required capacity of the retention area and the quantity of water required to dilute the material.				
5.	Working as a team, monitor the leak, and advance hoselines and tools to retention area.				
6.	Flow water to dilute spilled material. <b>MUST PASS</b>				
7.	Monitor any diking or dams to ensure integrity of retention area.				
8.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
9.	Seal and label the container and document appropriate information for department records.				
10.	Decontaminate tools.				
11.	Advance to decontamination line for decontamination.				
12.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
13.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 10   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 10   Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform Vapour Suppression

JPR – HMT # 37

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using vapour suppression.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using vapour suppression. The candidate must pass a minimum of <b>10 out of 14</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Firefighting foam</li> <li>• Foam equipment</li> <li>• Fire apparatus</li> <li>• Hazardous liquid spill</li> <li>• Full protective clothing</li> <li>• Self-contained breathing apparatus</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing vapour suppression operations. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the vapour suppression operation.				
4.	Evaluate the quantity and surface area of the hazardous material that has leaked.				
5.	Determine the appropriate type of foam for the type of hazardous material present.				
6.	Working as a team, deploy the foam educator and foam, and advance the hoseline and foam nozzle to a position from which to apply the foam.				
7.	Flow hoseline until finished foam is produced at the nozzle.				
8.	Apply finished foam in an even layer covering the entire hazardous material spill area. <b>MUST PASS</b>				
9.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
10.	Seal and label the container and document appropriate information for department records.				
11.	Decontaminate tools.				
12.	Advance to decontamination line for decontamination.				
13.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
14.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes\_\_\_\_\_ No\_\_\_\_\_

**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**



# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.1 Perform vapor dispersion

JPR – HMT # 38

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using vapour dispersion.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and control a hazardous material spill using vapour dispersion. The candidate must pass a <b>minimum of 8 out of 11</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• Firefighting foam</li> <li>• Foam equipment</li> <li>• Fire apparatus</li> <li>• Hazardous liquid spill</li> <li>• Full protective clothing</li> <li>• Self-contained breathing apparatus</li> <li>• Radios</li> <li>• Pylons</li> </ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing vapour dispersion operations. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the vapour dispersion operation.				
4.	Working as a team, advance the hoseline to a position to apply agent through vapour cloud to disperse vapours.				
5.	Constantly monitor the leak concentration, wind direction, exposed personnel, environmental impact, and water stream effectiveness. <b>MUST PASS</b>				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Proctor (Print & Sign)**

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.1, 7.4.3.2 Perform remote valve shutoff or activate emergency valve shutoff device

**JPR – HMT # 39**

Revised: March 19, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

**STANDARD:** 7.4.3.1, 7.4.3.2  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using remote valve shutoff or activate emergency shutoff device.

Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and control a hazardous material spill using remote valve shutoff or activate emergency shutoff device. The candidate must pass a **minimum of 8 out of 11** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- Personal protective equipment
- Self-contained breathing apparatus
- Shovels
- Rakes
- dirt, sand or hay
- Remote valve/shutoff device
- Leaking container
- Radios
- Pylons
- Hoseline
- Water supply

**CONDITIONS:** Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing remote valve shutoff operations. <b>MUST PASS</b>				
3.	Identify and locate the emergency remote control valve and/or emergency shutoff device.				
4.	Operate the remote control valve and/or emergency shutoff device properly. <b>MUST PASS</b>				
5.	Notify the Incident Commander of the completed objective.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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### First Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 8    Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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**Proctor** (Print & Sign)

**Date**

**Candidate**

**Date**

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**Re-Test Proctor**

**Date**

**Re-Test Candidate**

**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.2.4 Predict the likely behaviour of known hazardous materials at an incident

JPR – HMT # 40

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.2.4 NFPA 1072, 2017 Edition	<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate how to predict the likely behaviour of known hazardous materials at an incident.  Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.				
<b>PERFORMANCE OUTCOME:</b> The candidate shall demonstrate how to predict the likely behaviour of known hazardous materials at an incident. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Personal protective equipment</li><li>• Monitoring equipment</li><li>• Radios</li><li>• Reference materials</li></ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify behaviour of each hazardous material's container and contents.				
2.	Identify any reactivity issues and hazards resulting from potential mixing of hazardous materials.				
3.	Use approved process to predict likely behaviour of materials and their containers when multiple materials are involved.				
4.	Communicate description of likely behaviour of the hazards.				

#### First Test:

Total points needed to pass: 4 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 4 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Date**

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**Date**

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**Date**

**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.2.5 Predict the likely effect of a hazardous materials incident within the endangered area

**JPR – HMT # 41**

Revised: March 19, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.2.5 NFPA 1072, 2017 Edition	<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate the ability to predict the likely effect of a hazardous materials incident within the endangered area.				
<b>PERFORMANCE OUTCOME:</b> The candidate shall demonstrate the ability to predict the likely effect of a hazardous materials incident within the endangered area. The candidate must score <b>100 %</b> to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• PPE</li><li>• Monitoring equipment</li><li>• Reference materials</li><li>• Radios</li></ul>					
<b>CONDITIONS:</b> Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Using approved reference sources, determine or predict concentrations of materials within the endangered area.				
2.	Identify physical, health, and safety hazards within the endangered area.				
3.	Identify areas of potential harm in the endangered area.				
4.	Identify potential outcomes within the endangered area.				
5.	Communicate potential outcomes.				

#### First Test:

Total points needed to pass: 5 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 5 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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# **HAZARDOUS MATERIALS TECHNICIAN**

## **NFPA 1072, 2017 Edition**

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**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.1 Select appropriate product control techniques to mitigate a hazmat/WMD incident

JPR – HMT # 42

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.1  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to select appropriate product control techniques to mitigate a hazmat/WMD incident.

**PERFORMANCE OUTCOME:** The candidate shall demonstrate the ability to select appropriate product control techniques to mitigate a hazmat/WMD incident. The candidate must score **100 %** to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Product control equipment
- Reference equipment
- Monitors

**CONDITIONS:** Given a hazmat/WMD incident the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Select approved PPE.				
2.	Select approved product control technique.				

**First Test:**

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 2 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

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# **HAZARDOUS MATERIALS TECHNICIAN**

## **NFPA 1072, 2017 Edition**

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**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.2 Plug a leaking container

JPR – HMT # 43

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.2  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to plug a leaking container.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to plug a leaking container. The candidate must score a **minimum of 8 out of 11** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Plugging equipment
- Leaking container
- Decontamination equipment
- Monitors
- Radios

**CONDITIONS:** Given an hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing plugging operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the plugging operation.				
4.	Avoid direct contact with the hazardous material to the extent possible.				
5.	Determine the location of the leak.				
6.	Attempt to position container so that the location of leak is in the uppermost position.				
7.	Use the proper tools and equipment to control and plug the leak. <b>MUST PASS</b>				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.2 Patch a leaking container

JPR – HMT # 44

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.2  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to patch a leaking container.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to patch a leaking container. The candidate must score a **minimum of 8 out of 11** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Plugging equipment
- Leaking container
- Decontamination equipment
- Monitors
- Radios

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing patching operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the patching operation.				
4.	Avoid direct contact with the hazardous material to the extent possible.				
5.	Determine the location of the leak.				
6.	Attempt to position container so that the location of leak is in the uppermost position.				
7.	Use the proper tools and equipment to control and patch the leak. <b>MUST PASS</b>				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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**Proctor/Candidate Comments:**

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.2 Apply a sleeve, jacket, clamp, or wrap to a leak

JPR – HMT # 45

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.2  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to apply a sleeve, jacket, clamp, or wrap to a leak.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to apply a sleeve, jacket, clamp, or wrap to a leak. The candidate must score a **minimum of 8 out of 11** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Sleeve, jacket, clamp, or wrap
- Leaking container
- Decontamination equipment
- Monitors
- Radios

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for applying a sleeve, jacket, clamp, or wrap to a leak and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely apply a sleeve, jacket, clamp, or wrap to a leak.				
4.	Avoid direct contact with the hazardous material to the extent possible.				
5.	Determine the location of the leak.				
6.	Attempt to position container so that the location of leak is in the uppermost position.				
7.	Apply the sleeve, jacket, clamp or other wrap to control the leak. <b>MUST PASS</b>				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

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# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.4 Conduct liquid transfer operations involving a leaking non-pressure container

JPR – HMT # 46

Revised: March 19, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.4  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to conduct liquid transfer operations involving a leaking non-pressure container.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to conduct liquid transfer operations involving a leaking non-pressure container. The candidate must pass a **minimum of 11 out of 15** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Transfer equipment
- Leaking container
- Transfer container
- Bonding/grounding equipment
- Monitors
- Radios
- Decontamination equipment

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing liquid transfer operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the liquid transfer operation.				
4.	Protect exposure and personnel.				
5.	Follow safety procedures.				
6.	Minimize/avoid hazards.				
7.	Complete hazard monitoring requirements.				
8.	Ensure recovery container is compatible with liquid product. <b>MUST PASS</b>				
9.	Recognize the need to suppress vapours				
10.	Bond and ground containers.				
11.	Use approved liquid transfer method to transfer product to recovery container. <b>MUST PASS</b>				
12.	Decontaminate tools.				
13.	Advance to decontamination line for decontamination.				
14.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
15.	Complete required reports and supporting documentation.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### First Test:

Total points needed to pass: 11 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 11 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Proctor (Print & Sign)**

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**Candidate**

**Date**

**Re-Test Proctor**

**Date**

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**Date**

**Proctor/Candidate Comments:**



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.4.3.4 Bond and ground a container

JPR – HMT # 47

Revised: March 20, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.4  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to bond and ground a container.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to bond and ground a container. The candidate must pass a **minimum of 9 out of 12** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Leaking container
- Bonding/grounding equipment
- Monitors
- Radios
- Decontamination equipment

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing bonding and grounding operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the bonding and grounding operation.				
4.	Establish ground field.				
5.	If applicable, check resistance between grounding rod and earth.				
6.	Bond the containers. <b>MUST PASS</b>				
7.	If applicable, check resistance between bonding clamp and container.				
8.	Ground the containers. <b>MUST PASS</b>				
9.	If necessary, decontaminate tools and advance to decontamination line for decontamination.				
10.	Notify the Incident Commander of the completed objective.				
11.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
12.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_





# HAZARDOUS MATERIALS TECHNICIAN

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## HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

### 7.4.3.2 Tighten or close leaking valves, closures, packing glands, and/or fittings

JPR – HMT # 48

Revised: March 20, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.2  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to tighten or close leaking valves, closures, packing glands, and/or fittings.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to tighten or close leaking valves, closures, packing glands, and/or fittings. The candidate must pass a **minimum of 8 out of 11** steps, including all **MUST PASS** items, to successfully complete this skill.

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Leaking container
- Valve handle/wrench
- Monitors
- Radios
- Decontamination equipment

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing tightening or closing of leaking valves, closures, packing glands, and/or fittings and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform tightening or closing operations.				
4.	Remove obstructions from container if possible.				
5.	Attempt to position container so that valve is in the uppermost position.				
6.	If the container is disconnected from a process and can be reconnected, reconnect and gently open and close the valve stem to dislodge foreign matter from the seat using the valve handle or a wrench. <b>MUST PASS</b>				
7.	Tighten or close leaking valves, closures, packing glands, and/or fittings as appropriate. <b>MUST PASS</b>				
8.	Decontaminate tools				
9.	Advance to decontamination line for decontamination.				
10.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
11.	Complete required reports and supporting documentation.				

**First Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

**Second Test:**

Total points needed to pass: 8 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.2 Cap a leak

**JPR – HMT # 49**

Revised: March 20, 2019

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student#:** \_\_\_\_\_

<b>STANDARD:</b> 7.4.3.2 NFPA 1072, 2017 Edition		<b>TASK:</b> Using the appropriate tools and equipment, the candidate shall demonstrate the ability to cap a leak.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall use the appropriate tools and equipment and demonstrate the ability to cap a leak. The candidate must pass a <b>minimum of 9 out of 12</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"> <li>• PPE</li> <li>• SCBA</li> <li>• Leaking container</li> <li>• Valve handle/wrench</li> <li>• Capping kit</li> <li>• Monitors</li> <li>• Radios</li> <li>• Decontamination equipment</li> </ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for capping operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform capping operations.				
4.	Remove obstructions from container if possible.				
5.	Attempt to position container so that valve is in the uppermost position.				
6.	If the container is disconnected from a process and can be reconnected, reconnect and gently open and close the valve stem to dislodge foreign matter from the seat using the valve handle or a wrench. <b>MUST PASS</b>				
7.	Tighten or close leaking valves, closures, packing glands, and/or fittings as appropriate. <b>MUST PASS</b>				
8.	If leak persists, apply capping kit as per manufacturer's instructions. <b>MUST PASS</b>				
9.	Decontaminate tools				
10.	Advance to decontamination line for decontamination.				
11.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
12.	Complete required reports and supporting documentation.				

### First Test:

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Second Test:

Total points needed to pass: 9 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

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# HAZARDOUS MATERIALS TECHNICIAN NFPA 1072, 2017 Edition

## 7.4.3.3 Overpack a nonbulk container and/or radioactive materials package

JPR – HMT # 50

Revised: March 20, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

**STANDARD:** 7.4.3.3  
NFPA 1072, 2017 Edition

**TASK:** Using the appropriate tools and equipment, the candidate shall demonstrate the ability to overpack a nonbulk container and/or radioactive materials package.

**PERFORMANCE OUTCOME:** The candidate shall use the appropriate tools and equipment and demonstrate the ability to overpack a nonbulk container and/or radioactive materials package. The candidate must pass a **minimum of 11 out of 15** steps including all **MUST PASS** items on the Slide-in Method, or **12 out of 16** steps on the Rolling Slide-in Method including all **MUST PASS** items, or **10 out of 14** steps on the Slip-Over Method including all **MUST PASS** items, to successfully complete this skill (**Student's choice of method**).

**EQUIPMENT REQUIRED:**

- PPE
- SCBA
- Leaking container
- Over pack container
- Wedge
- Board or pipe
- Marking materials
- Monitors
- Radios
- Decontamination equipment

**CONDITIONS:** Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<b>Slide-In Method</b>				
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing overpacking operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the overpacking operations.				
4.	Avoid direct contact with the hazardous material to the extent possible, including residue on the patched container or package.				
5.	Place the damaged container or package in appropriate position using safe lifting techniques.				
6.	Using a wedge, place the container or package onto a board or piece of pipe using safe lifting techniques.				
7.	With the damaged container or package resting on the board or pipe, position the overpack container so it's open top slides under the damaged container or package by several inches. <b>MUST PASS</b>				
8.	As overpack container is held in place, team member(s) grasp the top of the damaged container or package and rolls/slides it on to the pipe into the overpack container. <b>MUST PASS</b>				
9.	Lift the overpack container into an upright position using safe lifting techniques and				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

	attach the overpack container lid.				
10.	Close the overpack container per manufacturer's instructions.				
11.	Mark and label the overpack container according to appropriate regulations and AHJ's SOPs.				
12.	Decontaminate tools.				
13.	Advance to decontamination line for decontamination.				
14.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
15.	Complete required reports and supporting documentation.				
	<b>Rolling Slide-In Method</b>				
1	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing overpacking operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the overpacking operations.				
4.	Avoid direct contact with the hazardous material to the extent possible, including residue on the patched container or package.				
5.	Place the damaged container or package in appropriate position using safe lifting techniques.				
6.	With the damaged container or package on its side, position the overpack container at approximately 30 degrees to the base of the damaged container or package.				
7.	Ensure that the area in front of the container or package is clear of obstructions.				
8.	Roll both containers or packages and overpack container so that the damaged container or package is inserted into the overpack container. <b>MUST PASS</b>				
9.	Repeat steps 5-8 to get majority of container or package into the overpack container. <b>MUST PASS</b>				
10.	Lift the overpack container into an upright position using safe lifting techniques and attach the overpack container lid.				
11.	Close the overpack container as per manufacturer's instructions.				
12.	Mark and label the overpack container according to appropriate regulations and AHJ's SOPs.				
13.	Decontaminate tools				
14.	Advance to decontamination line for decontamination.				
15.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
16.	Complete required reports and supporting documentation.				
	<b>Slip Over Method</b>				
1.	Ensure proper product control technique is chosen. <b>MUST PASS</b>				
2.	Ensure all responders involved in the control function are wearing appropriate PPE for performing overpacking operations and that appropriate hand tools have been selected. <b>MUST PASS</b>				
3.	Select a location to efficiently and safely perform the overpacking operations.				
4.	Avoid direct contact with the hazardous material to the extent possible, including residue on the patched container or package.				
5.	Stand the damaged container or package using safe lifting techniques.				
6.	Turn overpack container upside down and place over the damaged container or package.				
7.	With the damaged container or package inside the overpack container, carefully lay the overpack container on its side.				
8.	Lift the overpack container into an upright position using safe lifting techniques and attach the overpack container lid.				



# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

9.	Close the overpack container as per manufacturer's instructions.				
10.	Mark and label the overpack container according to appropriate regulations and AHJ's SOPs.				
11.	Decontaminate tools.				
12.	Advance to decontamination line for decontamination.				
13.	Inspect and maintain tools and equipment as per local SOPs and manufacturer's recommendations.				
14.	Complete required reports and supporting documentation.				

### Slide-In Method

#### First Test:

Total points needed to pass: 11 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 11 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Rolling Slide-In Method

#### First Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 12 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

### Slip-Over Method

#### First Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 10 Total points scored: \_\_\_\_\_ All MUST PASS items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:





# HAZARDOUS MATERIALS TECHNICIAN

## NFPA 1072, 2017 Edition

### 7.1.7, 7.6.1 Participate in a post-incident critique

JPR – HMT # 51

Revised: March 20, 2019

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Student#: \_\_\_\_\_

<b>STANDARD:</b> 7.1.7, 7.6.1 NFPA 1072, 2017 Edition		<b>TASK:</b> Participate in a post-incident critique.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall participate in a post-incident critique. The candidate must pass a <b>minimum of 3 out of 4</b> steps, including all <b>MUST PASS</b> items, to successfully complete this skill.					
<b>EQUIPMENT REQUIRED:</b> <ul style="list-style-type: none"><li>• Documentation forms (reports/records)</li><li>• Pens</li></ul>					
<b>CONDITIONS:</b> Given a hazmat/WMD incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Provide assistance in scheduled incident debriefings and critiques.				
2.	Communicate operational observations at debriefings and critiques.				
3.	Report and document incident operations.				
4.	Complete, forward, and file required reports, records, and supporting documents.				

#### First Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

#### Second Test:

Total points needed to pass: 3 Total points scored: \_\_\_\_\_ All **MUST PASS** items passed: Yes \_\_\_\_\_ No \_\_\_\_\_

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: