



Nevada Department of  
**Public Safety**  
State Fire Marshal

# Nevada Fire Service Certification System

# Hazardous Materials Awareness Manipulative Skills Manual

Fire & Hazardous Material Training & Certification Bureau  
Revised September 2019



## **AWARENESS MANIPULATIVE SKILL OBJECTIVES**

### **RECOGNITION AND IDENTIFICATION**

1. **The candidate will recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident, and approved reference sources.**

REFERENCE: NFPA 1072, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, 2017 edition; 4.2.1

CONDITION: Given a Local Emergency Response Plan (LERP) provided by the Authority Having Jurisdiction (AHJ), a scenario for a Hazardous Materials/WMD incident and an Emergency Response Guide (ERG) and other approved reference sources

COMPETENCE:

1. Recognize indicators to the presence of hazardous materials/WMD
2. Identify hazardous materials/WMD by name, UN/NA identification number, placard applied, or container identification charts
3. Use the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards

**Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS**

### **INITIATE PROTECTIVE ACTIONS**

2. **The candidate will isolate the hazard area and deny entry at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved reference sources.**

REFERENCE: NFPA 1072, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, 2017 edition; 4.3.1

CONDITION: Given a hazardous materials/WMD incident, policies and procedures, and approved reference sources.

COMPETENCE:

1. Recognize precautions for protecting responders and the public
2. Identify hazard and isolation areas
3. Deny entry to prevent further exposure or harm
4. Avoid or minimize hazards

**Candidate must successfully perform 3/4 steps including ALL CRITICAL POINTS**

## **NOTIFICATION**

3. **The candidate will initiate required notifications at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment.**

REFERENCE: NFPA 1072, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, 2017 edition; 4.4.1

CONDITION: Given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment.

COMPETENCE:

1. Operate approved communications equipment
2. Communicate in accordance with policies and procedures
3. Communicate the necessary information

**Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS**

## RECOGNITION AND IDENTIFICATION

**Skill 1:** The candidate will recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident, and approved reference sources. (NFPA 1072 2017 Edition; 4.2.1)

**CONDITION:** Given a Local Emergency Response Plan (LERP) provided by the Authority Having Jurisdiction (AHJ), a scenario for a Hazardous Materials/WMD incident and an Emergency Response Guide (ERG) and other approved reference sources

### **APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

1. What is the indicator or indicators of the presence of hazardous materials/WMD?
2. Identify hazardous materials/WMD by name, UN/NA identification number, placard applied, or container identification charts.
  - Identify contents based on UN number
  - Identify correct guide number based on given information
  - Identify correct Isolation distances for Small or Large spill
  - Determine if chemical is combustible
  - Identify correct name of chemical by using ERG
3. Use the ERG, SDS, shipping papers with emergency response information and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards
  - Identify hazards of chemical (Health, Explosive, etc.)

**Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS**

**Time: 15:00 Minutes**

<b>PERFORMANCE RATING ON THIS SKILL:</b>	<b><u>PASS</u></b>	<b><u>FAIL</u></b>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be require to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_

INITIATE PROTECTIVE ACTIONS

**Skill 2:** The candidate will isolate the hazard area and deny entry at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved reference sources. (NFPA 1072 2017 Edition; 4.3.1)

**CONDITION:** Given a hazardous materials/WMD incident, policies and procedures, and approved reference sources.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Recognize precautions for protecting responders and the public.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify hazard and isolation areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Deny entry to prevent further exposure or harm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Avoid or minimize hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate must successfully perform 3/4 steps including ALL CRITICAL POINTS**

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<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be require to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

Candidate's Signature: \_\_\_\_\_

## NOTIFICATION

**Skill 3:** The candidate will initiate required notifications at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment. (NFPA 1072 2017 Edition; 4.4.1)

**CONDITION:** Given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Operate approved communications equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Communicate in accordance with policies and procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Communicate the necessary information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS

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<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u><b>PASS</b></u>	<u><b>FAIL</b></u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be require to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_