

# **SKILL SHEET PACKAGE**

Based on NFPA 472: Standard for Hazardous Materials/Awareness Professional Qualifications, 2013 Edition

June 2016



#### Performance Test # 1

#### **PERFORMANCE STANDARD**

Given a copy of the most current edition of the <u>Emergency Response Guidebook</u>, the firefighter trainee shall describe the difference between the protective action distances in the orange- bordered guide pages and the green-bordered pages in the document and the circumstances under which the distances are used at a hazardous materials incident. (NFPA 472, 4.4.1 (9-10))

#### **INSTRUCTIONS**

Given the most current edition of the <u>Emergency Response Guidebook</u>, you shall identify by verbalizing to the examiner the difference between the protective action distances in the orange-bordered guide pages and the protective action distances in the green-bordered pages in the document and describe the circumstances under which the distances are used at a hazardous materials incident. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

Emergency Response Guidebook, most current edition



Candidate:	Notes:
Training Provider:	
Test Site:	
Examiner:	

	TE	<u>ST</u>	RET	<u>EST</u>
Performance Test # 1	Scored	points	Scored	points
Verbally identifies the distances listed in the orange-bordered pages are for				
hazardous materials that are not highlighted in the indexP/F				
Verbally identifies the distances listed in the green-bordered pages are for hazardous				
materials that are highlighted in the indexP/F				
Verbalizes when green bordered pages are indicated and there is a need for				
evacuationP/F				
Total Score				
RESULT	□ pass	□fail	🗆 pass	🗆 fail

## **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date	
Re-Test Proctor (Print & Sign):	Date	
Re-Test candidate (Print & Sign):	Date	
Ke-rest canuluate (11mt & Sign)		



Performance Test # 2

#### **PERFORMANCE STANDARD**

Given the most current edition of the <u>Emergency Response Guidebook</u>, the firefighter trainee shall identify the three methods for determining the appropriate guide page for a specific hazardous material. (NFPA 472, 4.2.3)(1-2)

#### **INSTRUCTIONS**

Given the most current edition of the <u>Emergency Response Guidebook</u>, you shall verbally identify to the examiner the three methods for determining the appropriate guide page for a specific hazardous material. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Emergency Response Guidebook, most current edition

Placards

Shipping papers

Simulated hazardous materials package with shipping label



Candidate:	Notes:
Training Provider:	
Test Site:	
Examiner:	_

	TES	ST	RET	EST
Performance Test # 2	Scored	points	Scored	points
Identifies the material by finding the four digit number:				
Locates the number in the yellow-bordered pages and determines the appropriate guide page1 pt				
Locates the name of the material:				
Verbally states the procedure for using the Table of Placards if the name or identification number is not available and the placard can ' be seen. (Locates a matching placard in the table of placards and consults the three-digit guide number found next to it.)				
RESULT	□ pass	□fail	🗆 pass	🗆 fail

#### **Required to pass:**

Candidate must receive a mandatory score of 6 out of 7 points for passing.

Proctor (Print & Sign):	Date
Re-Test Proctor (Print & Sign):	Date
Re-Test candidate (Print & Sign):	Date



## Performance Test # 3

#### **PERFORMANCE STANDARD**

Given two scenarios involving identified hazardous materials (identified by name, UN/NA identification number, or type placard) the firefighter trainee shall identify and interpret the hazard and the following response information using the most current edition of the <u>Emergency Response Guidebook</u>. (NFPA 472 4.4.1(4); 4.1.2.2(1); 4.2.2)

- A. Emergency action to betaken (fire, spill, or leak and first aid);
- B. Personal protective equipment necessary; and /
- C. Initial isolation and protective action distances

#### **INSTRUCTIONS**

I will provide you with the most current edition of the <u>Emergency Response Guidebook.</u> I will give you two scenarios involving identified hazardous materials. The hazardous material will be identified by one of the following: The name of hazardous material, the identification number of a chemical, or by showing you a type of placard and type of response (fire, spill, or leak). You shall verbalize to me the necessary response information for the given scenario. The name of hazardous material or identification number will be listed in the current edition of the <u>Emergency Response Guidebook</u>. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. You will have twelve minutes to complete this skill. Do you understand these instructions?

#### **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Emergency Response Guidebook Various placards Two scenarios involving identified hazardous materials



\_\_\_\_\_

Candidate:	Notes:	
Training Provider:		
Test Site:	-	
Examiner:		

	TE	<u>ST</u>	RET	TEST
Performance Test # 3	Scored	points	Scored	l points
Verbally identifies the proper emergency action for the type of incident				
(fire, spill, or leak) for the given hazardous materialP/F				
Verbally identifies the proper first aid measures for the given hazardous				
materialP/F				
Verbally identifies the proper protective equipment necessary for the given				
hazardous material. (Must identify respiratory breathing equipment and				
protective clothing)P/F				
Verbally identifies the proper isolation distance for the identified hazardous				
materialP/F				
Verbally identifies the proper protective action distance for the identified				
hazardous materialP/F				
Uses the correct guide numberP/F				
Completes both scenes in time allottedP/F				
Total Score			1	
RESULT	🗆 pass	□fail	🗆 pass	🗆 fail

## **Required to pass**:

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

# **Proctor Comments:**

Proctor (Print & Sign):	Date
Re-Test Proctor (Print & Sign):	Date
Re-Test candidate (Print & Sign):	Date



#### Performance Test # 4

#### **PERFORMANCE STANDARD**

Given a material safety data sheet, the firefighter trainee shall identify the following: 1) physical and chemical characteristics, 2) physical hazards of the material, 3) health hazards of the material, 4) signs and symptoms of exposure, 5) routes of entry, 6) permissible exposure limits, 7) responsible party contact, 8) precautions for safe handling, 8) applicable control measures, 9) emergency first aid procedures, and 10) verbally identify 2 ways to obtain a MSDS in an emergency. (NFPA 472, 4.2.1(10); 4.2.1(10)(a-c))

#### **INSTRUCTIONS**

I will give you a material safety data sheet (MSDS). You shall verbally identify to me: 1) physical and chemical characteristics, 2) physical hazards of the material, 3) health hazards of the material, 4) signs and symptoms of exposure, 5) routes of entry, 6) permissible exposure limits, 7) responsible party contact, 8) precautions for safe handling, 8) applicable control measures, 9) emergency first aid procedures, and 10) identify 2 ways to obtain a MSDS in an emergency. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

Various material safety data sheets



Examiner:

# Arab Fire Safety and Security Academy (AFSSAC) HAZARDOUS MATERIALS/AWARENESS PERFORMANCE STANDARDS NFPA 472, 2013 Edition

Candidate:	Notes:	
Training Provider:		
Test Site:		

TEST RETEST Performance Test # 4 Scored points Scored points Verbally identifies the physical and chemical characteristics......P/F Verbally identifies the physical hazards of the material......P/F Verbally identifies the health hazards of the chemical.....P/F Verbally identifies the signs and symptoms of exposure to the chemical.....P/F Verbally identifies the routes of entry to the body......P/F Verbally identifies the permissible exposure limits of the chemical....P/F Verbally identifies the responsible party contact......P/F Verbally identifies the precautions for safe handling......P/F Verbally identifies the applicable control measures......P/F Verbally identifies the emergency first aid procedures for the chemical.....P/F Verbally identifies 2 ways to obtain a MSDS in an Emergency......P/F **Total Score** RESULT pass □fail □ pass 🗌 fail

#### **Required to pass**:

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date
Re-Test Proctor (Print & Sign):	Date
Re-Test candidate (Print & Sign):	Date



#### Performance Test # 5

#### **PERFORMANCE STANDARD**

Given a NFPA 704 marking, the firefighter trainee shall identify the significance of the colors, numbers, and special symbols. (NFPA 472 4.2.1(8))

**INSTRUCTIONS** 

Given a NFPA 704 marking, you will verbalize to the examiner the significance of each color, the numbers within the colors, and identify the special symbol (if applicable). You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

**EXAMINER NOTE** 

The firefighter trainee will not be allowed td review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

NFPA 704 placard

Note: Two (2) symbols are recognized by the NFPA, a W with a bar through it and the letters OX to indicate an oxidizer.



Examiner:

# Arab Fire Safety and Security Academy (AFSSAC) HAZARDOUS MATERIALS/AWARENESS PERFORMANCE STANDARDS NFPA 472, 2013 Edition

Candidate:	Notes:	
Training Provider:		
Test Site:		

TEST RETEST Performance Test # 5 Scored points Scored points Verbally identifies the significance of a red diamond (Flammable) ......P/F Verbally identifies the significance of a blue diamond (Health) .....P/F Verbally identifies the significance of a yellow/diamond (Reactivity) .... P/F Verbally identifies the significance of a white diamond (Special)......P/F Verbally identifies the significance of the number in the red diamond....P/F Verbally identifies the significance of the number in the blue diamond....P/F Verbally identifies the significance of the number in the yellow diamond......P/F Verbally identifies the two symbols recognized by the NFPA that may be used and states the significance of each.....P/F Verbally states the NFPA 704 placard is usually used at fixed facilities.....P/F Total Score RESULT □fail 🛛 fail □ pass □ pass

#### **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date
Re-Test Proctor (Print & Sign):	Date
Re-Test candidate (Print & Sign):	Date



**Performance Test # 6** 

## **PERFORMANCE STANDARD**

The firefighter trainee shall identify facility and transportation markings and colors that indicate hazardous materials. (NFPA 472 4.2.1(7)(a-f))

#### **INSTRUCTIONS**

Given various facility and transportation markers, you shall verbally identify the markers as to facility or transportation and explain the meanings of the colors or markings associated with each. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

## **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Various placards NFPA 704 placard Military markers Hazard communication markers Pipeline marker Container marker



Candidate:	Notes:	
Training Provider:		
Test Site:	_	
Examiner:		

	TE	ST	RE	TEST
Performance Test # 6	Scored	points	Score	ed points
Verbally identifies the UNINA identification numbersP/F				
Verbally explains the meaning of the colors or markingsP/F				
Verbally identifies the NFPA 704 placardP/F				
Verbally explains the meaning of the colors or markingsP/F Verbally identifies the special hazard communication markingsP/F				
Verbally explains the meaning of the colors or markingsP/F				
Verbally identifies the military marking systemP/F				
Verbally explains the meaning of the colors or markingsP/F				
Verbally identifies the pipeline markerP/F				
Verbally explains the meaning of the colors or markingsP/F				
Verbally identifies the container markerP/F				
Verbally explains the meaning of the colors or markingsP/F Total Score				
RESULT	🗆 pass	□fail	🗆 pass	i 🗆 fa

#### **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date	
Re-Test Proctor (Print & Sign):		
Re-Test candidate (Print & Sign):	Date	



**Performance Test #7** 

#### **PERFORMANCE STANDARD**

The firefighter trainee shall identify, from a local emergency response plan or local standard operating procedure, the role of the first responder and the basic precautions to be taken to protect the responder and others at the awareness level during a hazardous material incident. (NFPA 472 4.4.2, 4.4.1(2-3))

#### **INSTRUCTIONS**

Given a local emergency response plan or standard operating procedure, you shall verbally:

1) Identify the role of the first responder, 2) identify the basic precautions to be taken at the awareness level to protect the responder and others, and 3) identify the initial notification procedures during a hazardous material incident. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

## EXAMINER NOTE

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Local emergency response plan Local standard operating procedure



Candidate:	Notes:	
Training Provider:		
Test Site:	-	
Examiner:		

	TE	<u>ST</u>	RET	EST
Performance Test # 7	Scored	points	Scored	points
Verbally identifies the role of the first responderP/F				
Verbally identifies the basic precautions to protect the responderP/F				
Verbally identifies the basic precautions to protect othersP/F				
Verbally identifies the initial notification proceduresP/F				
Total Score				
RESULT	🗆 pass	□fail	🗆 pass	🗆 fail

#### **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date	
Re-Test Proctor (Print & Sign):	Date	
Re-Test candidate (Print & Sign):	Date	



**Performance Test # 8** 

## **PERFORMANCE STANDARD**

The firefighter trainee shall identify, the threat posed by terrorism, potential terrorist targets in your jurisdiction, the dangers posed by explosive, the difference between chemical, biological agents, and radiological incidents, and the need for decontamination of exposed victims and response personnel. (NFPA 472, 4.4.1(12)

#### **INSTRUCTIONS**

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.

#### **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Two scenarios



Candidate:	Notes:	 
Training Provider:		 
Test Site:	_	 
Examiner:		

	TE	<u>ST</u>	RET	EST
Performance Test # 8	Scored	points	Scored	points
Verbally identify at least four types of locations that could become targets for				
criminal or terrorist activity using hazardous materialsP/F				
Verbally describe the difference between a chemical and biological incident $\dots P/F$				
Verbally identify at least four indicators of possible criminal or terrorist activity				
involving chemical agentsP/ F				
Verbally identify at least four indicators of possible criminal or terrorist activity				
involving biological agents P/ F				
Verbally identify at least four specific actions necessary when an incident is				
suspected to involve criminal or terrorist activityP/F				
Total Score				
RESULT	□ pass	□fail	<b>D</b> pass	🗆 fail

#### **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date	
	2****	
Re-Test Proctor (Print & Sign):	Date	
	Duit	
Re-Test candidate (Print & Sign):	Date	
Kertest candidate (1 mit & Sign)		



Performance Test # 9

# PERFORMANCE STANDARD

The firefighter trainee shall identify, the threat posed by criminal activities or terrorism, potential terrorist targets in your jurisdiction, the dangers posed by radiological incidents, illicit laboratories (such as clandestine, weapons or ricin), explosives, and the possibility of secondary devices. [NFPA 472 4.2.1 (17-20); 4.4.1 (12)]

#### **INSTRUCTIONS**

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.

## **EXAMINER NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

## **PREPARATION & EQUIPMENT**

Two scenarios



Examiner: \_\_\_\_

# Arab Fire Safety and Security Academy (AFSSAC) HAZARDOUS MATERIALS/AWARENESS PERFORMANCE STANDARDS NFPA 472, 2013 Edition

Candidate:	Notes:	
Training Provider:		
Test Site:	-	

	-		-	
	TE	<u>ST</u>	RET	EST
Performance Test # 9	Scored	points	Scored	points
Verbally identify at least four indicators of possible criminal or terrorist				
activity involving radioactive agentsP/F				
Verbally identify at least four indicators of possible criminal or terrorist				
activity involving illicit laboratories (clandestine laboratories, weapons lab,				
ricin lab)P/F				
Verbally identify at least four indicators of possible criminal or terrorist				
activity involving explosivesP/F				
Verbally identify at least four indicators of secondary deviceP/F				
Verbally identify at least four specific actions necessary when an				
incident is suspected to involve criminal or terrorist activityP/F				
Total Score				
RESULT	□ pass	□fail	🗆 pass	🗆 fail

## **Required to pass:**

All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.

Proctor (Print & Sign):	Date	
Re-Test Proctor (Print & Sign):	Date	
Re-Test candidate (Print & Sign):	Date	