NFPA 472, chapter 7, 2013 Edition

SKILL SHEET PACKAGE

Based on NFPA 472: Standard for Professional Competence of

Responders to Hazardous Materials Incidents (Hazardous Materials Technician)

2013 Edition



NFPA 472, chapter 7, 2013 Edition



NFPA 472, chapter 7, 2013 Edition

Performance Test #1

Perform Duties of a HazMat Branch or Group ICS Position-Research Officer

PERFORMANCE STANDARD:

Working as a member of a four-member team, the candidate, given a hazardous material (1 of 3 standard chemicals - chlorine, ammonia or propane) and three printed technical reference materials shall collect and interpret hazard and response information and will complete a blank product sheet. The completed product data sheet should identify the chemical by name, CAS#, UN ID#, and NFPA 704 designation. The EPA SARA Reportable Quantity/CERCLA Reportable Quantity and Threshold Planning Quantity should be listed if applicable. Hazardous chemical properties should be identified in all 3 references by the topics of Flammability, Reactivity, Toxicity, Physical, Compatibility and Incompatibility. The completed product data sheet could be used to complete a Site Safety and Control Plan (ICS 208 HM form) as part of an Incident Action Plan and also for documentation in debriefing responders and also utilized in formal critique [NFPA 472 (2013 Ed.) 7.1.2.2(3)(a); 7.1.2.2(5)(c); 7.6.3(2)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

If Skill Sheet 1 is selected, 2nd Skill Sheet tested will be Skill Sheet 10, 11, 12, or 13

A Product Data Sheet and the assigned chemical will be supplied in the Test Package to the Proctor/Evaluator

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



Re-Test candidate (Print & Sign):_____

ARAB FIRE SAFETY AND SECURTY ACADEMY (AFSSAC) HAZARDOUS MATERIALS TECHNICIAN

NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Pe	rformance Test # 1				
Torrormance Test ii T			EST	RETEST	
Safely performs the following steps:		Pass	Fail	Pass	Fail
1. Uses a minimum of three reference sources (o	one per team member)				
2. Identifies CAS#					
3. Identifies UN ID # and Hazard Class(es) - CR	RITICAL POINTS				
4. Identifies EPA RQ and TPQ quantities					
5. Identifies NFPA 704 designation					
6. Identifies flammability properties					
7. Identifies physical properties					
8. Identifies reactivity properties					
9. Identifies toxicity properties					
10. Identifies incompatibilities					
RESULT	7 STEPS are required to Pass including ALL CRITICAL POINTS	□ PASS	□ FAIL	□ PASS	□ FAIL
Proctor Comments:					
Proctor (Print & Sign):	Da	te			
Re-Test Proctor (Print & Sign):	Da	ıte			

Date_



NFPA 472, chapter 7, 2013 Edition

Performance Test # 2

Donning Level A

PERFORMANCE STANDARD:

As a member of a two-person team, the candidate, given a hazardous materials scenario (1 of the 2 listed), a Level A suit along with boots, tape, hard hat and SCBA with face piece, shall demonstrate proper donning, use of and doffing of PPE with the assistance of team member in donning/doffing. [NFPA 472 (2013 Ed.) 7.1.2.2(3)(b); 7.4.2(3)(4)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

If Skill Sheet 2 is selected, 2nd Skill Sheet tested will be Skill Sheet 4 or 5

Scenario Assignment (Evaluator will choose one, all students will test same scenario):

- making repairs to and over packing a leaking drum of hazardous material that is hazardous by vapor skin absorption OR
- 2) a "visibly" leaking 150-lb or a 1-ton chlorine cylinder in the field with air concentrations in excess of 1000 ppm

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

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

Performance Test # 2				
Cofolis works were the following stones.		TEST		EST
Safely performs the following steps:	Pass	Fail	Pass	Fail
1. Inspects SCBA				
a. Proper cylinder pressure				
b. Leak Test - SCBA				
c. Low pressure alarm functions correctly				
d. Harness and straps in good shape				
e. Inspects face piece				
2. Inspects suit for				
a. Tears				
b. Holes				
c. Discoloration				
d. Seams/stitches				
e. Boot & glove attachments				
f. Overall suit integrity				
3. Dons SCBA, turns SCBA on				
4. While seated, places feet into suit & gathers around waist, avoids walking around or stepping on suit				
5. Dons chemical boots (taping around leg cuff optional)				
6. Dons inner gloves				
Performance Steps Continued				
Page 1 of 2				



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
p	erformance Test # 2				
-	oriorinance resem 2	TEST		RETEST	
Safely performs the following steps:		Pass	Fail	Pass	Fail
7. Dons & adjusts SCBA face piece, dons helm	net (optional per AHJ SOPs)				
8. Places arms into sleeves					
9. Dons outer gloves & taping (optional per AHJ SOPs)					
10. Team member assists making SCBA regular person breathes air	tor connection to mask; entry				
11. Hood is placed over head					
12. Assistant fastens all snaps, zippers & flaps	(closure taping optional)				
13. After entry, with help from team member, operformed	loffs suit properly (normally				
Page 2 of 2					
RESULT	10 STEPS are required to Pass including ALL CRITICAL POINTS	□ PASS	☐ FAIL	□ PASS	☐ FAIL
Proctor Comments:					
Proctor (Print & Sign):	Da	ıte			
Re-Test Proctor (Print & Sign):	Da	ate			

Date_

Re-Test candidate (Print & Sign):_____



NFPA 472, chapter 7, 2013 Edition

Performance Test #3

Donning Level B

PERFORMANCE STANDARD:

As a member of a two-person team, the candidate, given a hazardous materials scenario (1 of the 2 listed), a non-encapsulating liquid splash suit (suitable for Level B ensemble) along with boots, gloves, tape, hard hat (optional) and SCBA with face piece, shall demonstrate proper donning, use of and doffing of PPE with the assistance of team member in donning/doffing. [NFPA 472 (2013 Ed.) 7.1.2.2(3) (b); 7.4.2(3) (4)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

If Skill Sheet 3 is selected, 2nd Skill Sheet tested will be Skill Sheet 7, 8, or 9

Scenario Assignment (Evaluator will choose one

- 1) Performing decontamination on a non-ambulatory patient with liquid sulfuric acid contamination **OR**
- 2) Performing decontamination on an entry team member dressed in Level A ensemble with liquid contamination of sulfuric acid.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

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

Performance Test # 3				
	TE	<u>EST</u>	RET	<u>EST</u>
Safely performs the following steps:	Pass	Fail	Pass	Fail
1. Inspects SCBA				
a. Proper cylinder pressure				
b. Leak Test - SCBA				
c. Low pressure alarm functions correctly				
d. Harness and straps in good shape				
e. Inspects face piece				
2. Inspects suit for				
a. Tears				
b. Holes				
c. Discoloration				
d. Seams/stitches				
e. Boot & glove attachments				
f. Overall suit integrity				
3. While seated, places feet into suit & gathers around waist, avoids walking around or stepping on suit				
4. Dons chemical boots (taping around leg cuff optional)				
5. Dons inner gloves				
6. Places arms into sleeves				
Performance Steps Continued				
Page 1 of 2				



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Do	erformance Test # 3				
re	erformance Test # 5	т	EST_	RET	FST
Safely performs the following steps:		Pass	Fail	Pass	Fail
7. Zips or closes suit (taping optional)					
8. Dons & turns on SCBA, secures straps					
9. Dons outer gloves (taping cuffs optional)					
10. Dons & adjust SCBA face piece with assista	nnce if necessary				
11. Makes SCBA regulator connection to mask student breathes air	with assistance if necessary;				
12. Hood is placed over head (taping to face pie helmet is optional, per AHJ SOPs)	ce is optional) (donning				
13. After work performed, with help from team (normally performed during decontamination)	member, doffs suit properly				
Page 2 of 2					
RESULT	10 STEPS are required to Pass including ALL CRITICAL POINTS	□ PASS	□ FAIL	□ PASS	☐ FAIL
Proctor Comments:					
Proctor (Print & Sign):	Da	ite			
Re-Test Proctor (Print & Sign):	Da	nte			

Date_

Re-Test candidate (Print & Sign):



NFPA 472, chapter 7, 2013 Edition

Performance Test #4

Containing Leaks and Drum Over Packing

PERFORMANCE STANDARD:

The candidate, working as a member of a two-person team and working in Level A chemical protective clothing (CPC), shall choose the appropriate equipment and demonstrate the ability to contain four common types of leaks associated with 55-gallon drums (nail puncture; forklift puncture; chime leak; leaking closure (bung or top) and one of the three methods of drum overpacking [NFPA 472 (2013 Ed.) 7.1.2.2(3)(c); 7.1.2.2(5)(a); 7.4.3(3); 7.4.3(4)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment: 55-gallon drums with multiple leaks resulting from nail puncture, forklift puncture, chime leak, leaking closure; Bung wrench; Plug and patching kit; An overpack drums; Level A CPC; SCBA

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



Re-Test candidate (Print & Sign):_____

ARAB FIRE SAFETY AND SECURTY ACADEMY (AFSSAC) HAZARDOUS MATERIALS TECHNICIAN

NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Pe	erformance Test # 4				
Safely performs the following steps:				RET Pass	EST Fail
1. Contains a 55-gallon drum bung leak with dru	m lying on its side				
a. Tightens leaking bung to contain leak;					
b. Contains leak by placing rubber/woode	<mark>n plug in closure</mark>				
2. Contains a 55-gallon drum with nail puncture I					
a. Contains leak by inserting plug					
b. Applies patch					
3. Contains a 55-gallon drum with chime leak					
Contains leak by applying putty, lead w method	ool, or other appropriate				
b. Positions drum with leak in vapor space	9				
4. Contains a 55-gallon drum forklift puncture lea					
a. Contains leak using appropriate tools a	nd materials provided				
5. Over packs a leaking 55-gallon drum – CRITIC	CAL POINT				
a. Slide-in method OR					
b. Rolling slide-in method (V-method) OR					
c. Slip over					
6. Verbalizes participation in debriefing of exercise CRITICAL POINT	se with team member –				
	5 STEPS are required to				
RESULT	Pass including ALL CRITICAL POINTS	PASS	□ FAIL	PASS	FAIL
Proctor Comments:					
Proctor (Print & Sign):	Da	ate			
Re-Test Proctor (Print & Sign):	D	ate			

Date_



NFPA 472, chapter 7, 2013 Edition

Performance Test # 5

Contain Leak in Pressurized Container

PERFORMANCE STANDARD:

The candidate, wearing Level-A ensemble and operating as a member of a two-person team and provided with one of the following: a ton-chlorine training cylinder; a 100/150 pound chlorine training cylinder, or three chlorine kits (placed approximately ten feet from chlorine training cylinder) comprising the necessary tools for containing the cylinder leak, shall choose the proper kit and demonstrate the proper method in order to contain the leak presented. [NFPA 472 (2013 Ed.) 7.1.2.2(3)(c); 7.1.2.2(5)(a); 7.4.3(1); 7.4.3(2)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment: 1 – ton chlorine training cylinder; OR a 100-pound OR 150-pound chlorine training cylinder; 1 – Chlorine A Kit; 1 – Chlorine B Kit; 1 – Chlorine C Kit; full Level A ensemble

Time will start after donning of Level-A ensemble.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Examiner.					
Pe	erformance Test # 5				
		TF	EST_	RET	EST
Safely performs the following steps:		Pass	Fail	Pass	Fail
1. Correct kit chosen - CRITICAL POINT					
2. Student shall contain ONE of the following leaks	below (a-h) - CRITICAL				
POINT					
a. Fusible plug - OR					
b. Fusible plug threads - OR					
c. Side wall of cylinder - OR					
d. Valve blowout - OR					
e. Valve gland - OR					
f. Valve inlet threads- OR					
g. Valve seat - OR					
h. Valve stem assembly blowout- OR					
3. Student shall demonstrate the ability to perform O	NE of the following(a-c) -				
CRITICAL POINT					
a. Close valves that are open- OR					
b. Replace missing plugs- OR					
c. Tighten loose plugs- OR					
4. Student shall successfully contain leak within time					
5. Student shall verbalize participation debriefing of CRITICAL POINT	exercise with team member –				
CRITICAL FORVI	ALL STEPS are required to				
RESULT	Pass including ALL				
KESUL I	CRITICAL POINTS	PASS	FAIL	PASS	FAIL
Proctor Comments:					
Proctor (Print & Sign):	Da	ıte			
Re-Test Proctor (Print & Sign):	Da	ıte			

Date_

Re-Test candidate (Print & Sign):_____



NFPA 472, chapter 7, 2013 Edition

Performance Test #6

Install Dome Cover Clamp on 306/406

PERFORMANCE STANDARD:

Operating in a two-person team, the candidate, (wearing work uniform including helmet, gloves, eye protection), provided with a placarded (HC 3, UN 1203) cargo tank truck or cargo tank truck simulator and tools appropriate for the scenario, shall choose the proper equipment for the evaluation, effectively demonstrate the proper method to contain the leak presented; shall gather the necessary equipment and demonstrate the ability to properly install a dome cover clamp on a presented MC 306/DOT 406 cargo tank or cargo tank simulator. [NFPA 472 (2013 Ed.) 7.1.2.2(3)(c); 7.1.2.2(5)(a); 7.4.3 (7-9)(10)(a)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Type of Leak: Dome cover leak

Equipment: PPE, dome cover clamp(s), LEL monitor, ground rod, grounding kit, non-sparking hammer.

Equipment to be placed 50-100 feet from the placarded (HC 3, UN 1203) MC 306/DOT 406 cargo tank or cargo tank simulator: Dome cover clamp, LEL monitor, complete set of grounding equipment – ground rod, ground clamps, grounding cable, non-sparking hammer.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Po	erformance Test # 6		a Carr	222	
Safely performs the following steps:		Pass	EST Fail	RET Pass	EST Fail
1. Candidate states: "Full Structural Firefighting is required" -CRITICAL POINT		1 ass	ran	1 ass	Faii
2. Approaches cargo tank or simulator in a safe i					
a. Candidate states "a blanket of foam would					
b. Candidate states "approach would be fro position"					
c. Candidate states "%LEL would be monit					
3. Establishes ground rod in a uphill, upwind, co					
4. Makes grounding connection (cargo tank 1 st p retreats to grounding rod for 2 nd point of attacl					
5. Candidate states "vehicle should be stabilized					
6. Properly installs clamp on dome - CRITICAL					
a. Tightens dome cover clamp					
b. Checks to see if leak is controlled, reposit	itions clamp if necessary				
7. Verbalizes participation in debriefing of exerc CRITICAL POINT					
RESULT	6 STEPS are required to Pass including ALL CRITICAL POINTS	PASS	□ FAIL	PASS	FAIL
Proctor Comments: Proctor (Print & Sign):		ate			
Re-Test Proctor (Print & Sign):	D	ate			

Re-Test candidate (Print & Sign):



NFPA 472, chapter 7, 2013 Edition

Performance Test #7

Perform Technical Decontamination on Entry Team Member

PERFORMANCE STANDARD:

The candidate, operating as a member of a four-person team at a simulated hazardous material incident and given one technician in a (simulated) contaminated Level-A CPC, shall demonstrate how to establish a chemical reduction corridor (CRC) and perform an effective decontamination while wearing Level-B hooded chemical protective clothing (CPC) and a self-contained breathing apparatus (SCBA). [NFPA 472 (2013 Ed.) 7.1.2.2(3)(d); 7.1.2.2(5)(a); 7.4.5(1)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Evaluator will have to assign each one of the candidates to a position or "Station" listed below within the CRC. CRC can be established by the candidates without donning their face piece and breathing from their SCBA. Once CRC is established and prior to decontamination procedures, candidates must don their face piece and breathe from their SCBA

Equipment needed: CRC equipment; four complete Level-B ensembles; and one technician in a Level-A ensemble that is contaminated (contamination may be accomplished by applying dry chemical from a fire extinguisher)

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



ARAB FIRE SAFETY AND SECURTY ACADEMY (AFSSAC) HAZARDOUS MATERIALS TECHNICIAN

NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Pe	rformance Test # 7				
Safely performs the following steps:		TF	EST	RET	EST
Decontaminates Technician		Pass	Fail	Pass	Fail
1. As a team, candidates establish CRC (decon p	ools, showers, hoses, etc.)				
2. Instructs technician to check air supply and to container (Candidate 1; Station 1)	put tools in tool drop				
3. Performs gross decontamination and washes a as much contamination as possible (Candidate					
4. Performs secondary wash at second pool (Can	didate 2; Station 2)				
5. Performs secondary rinse at second decon poo					
6. Assists technician with CPC removal in de-su Station 3)					
7. Places contaminated CPC in proper drum (Car	ndidate 3; Station 3)				
8. Removes SCBA (Candidate 4; Station 4)					
9. Instructs technician to move to medical evalua Station 4)	ation area (Candidate 4;				
10. Candidate avoids cross contamination					
11. Verbalizes participation in debriefing of exer CRITICAL POINT	cise with team members –				
RESULT	8 STEPS are required to Pass including ALL CRITICAL POINTS	PASS	FAIL	PASS	FAIL
Proctor Comments: Proctor (Print & Sign):					
Re-Test Proctor (Print & Sign):	D:	ate			

Re-Test candidate (Print & Sign):_______ Date____



NFPA 472, chapter 7, 2013 Edition

Performance Test #8

Perform Technical Decontamination on Non-Ambulatory or Ambulatory Patient

PERFORMANCE STANDARD:

The candidate, operating as a member of a four-person team at a simulated hazardous material incident, shall demonstrate how to perform an effective decontamination on an ambulatory or non-ambulatory victim using a contamination reduction corridor while wearing Level-B ensemble. [NFPA 472 (2013 Ed.) 7.1.2.2(3)(d); 7.1.2.2(5)(a); 7.4.5(2)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment needed: Contamination Reduction Corridor, Four Level-B ensembles, long back board, dragging sked stretcher or equivalent, rescue mannequin,

Evaluator will have to assign two of the candidates to "Gross Decontamination" and two candidates to "Victim Wash and Rinse" within the CRC. CRC can be established by the candidates without donning their face piece and breathing from their SCBA. Once CRC is established and prior to decontamination procedures, candidates must don their face piece and breathe from their SCBA.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
D.	C				
Safely performs the following steps:	formance Test # 8	Т	EST	RET	FCT
Decontaminates Non-Ambulatory Vict	im·	Pass	Fail	Pass	Fail
1. As a team, candidates establish CRC (decoroller system, etc.)	on pools, showers, hoses,	1 435	Tun	1 435	Tun
2. Performs or assists with gross decontamin removes personal effects, bags and identifies secures victims property)	items appropriately,				
3. Performs or assists with patient wash-dow effectiveness of decontamination, and transfer					
4. Decon team ensures all contaminated tools in contaminated drums					
5. Decon team ensures that contaminated run or decontamination area	n-off is contained in pools				
 6. Avoids cross contamination 7. Verbalizes participation in debriefing of ex- CRITICAL POINT 	xercise with team members				
RESULT	6 STEPS are required to Pass including ALL CRITICAL POINTS	PAS S	FAIL	PASS	FAI L
Proctor Comments:					
Proctor (Print & Sign):		nte			
Re-Test Proctor (Print & Sign):		ate			

Re-Test candidate (Print & Sign):_______ Date_____



NFPA 472, chapter 7, 2013 Edition

Performance Test #9

Perform Mass Decontamination

PERFORMANCE STANDARD:

The candidate, operating as a member of a four-person team at a simulated hazardous material incident, shall establish a mass decontamination line within a contamination reduction corridor while wearing Level-B ensemble [NFPA 472 (2013 Ed.) 7.1.2.2(3)(d); 7.1.2.2(5)(a); 7.4.5(3)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment needed: Contamination Reduction Corridor, Four Level-B ensembles, hoses, nozzles, garbage cans, disposal bags, redress kits, inflatable or improvised shelter, etc.

The candidates can establish CRC without donning their face piece and breathing from their SCBA. Once CRC is established and prior to decontamination procedures, candidates must don their face piece and breathe from their SCBA.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

	, t				
Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Per	formance Test # 9				
Safely performs the following steps:		TEST		RETEST	
		Pass	Fail	Pass	Fail
1. As a team, candidates establish mass deco CRC					
2. Demonstrates process to isolate, secure, ar and personal effects	nd identify victim clothing				
3. Demonstrates process to redress, shelter, a	and triage victims				
4. Decon team demonstrates how all contaminated drums	inated tools and equipment				
5. Decon team demonstrates how contaminate	ted run-off would be				
confined to smallest area possible					
6. Avoids cross contamination					
7. Verbalizes participation in debriefing of ex	xercise with team members				
- CRITICAL POINT	0.0TED0 ' !				
RESULT	6 STEPS are required to Pass including ALL CRITICAL POINTS	PAS S	FAIL	PASS	FAI L
Proctor Comments:					
Proctor (Print & Sign):	Da	nte			
Re-Test Proctor (Print & Sign):	Date				

Re-Test candidate (Print & Sign):_______ Date_____



NFPA 472, chapter 7, 2013 Edition

Performance Test # 10

Field Maintenance of Monitoring Equipment

PERFORMANCE STANDARD:

The candidate, given examples of various monitoring equipment, shall demonstrate the field maintenance procedures for start-up, zeroing, fresh air set-up, bump testing, and/or the calibrating of the instrument. [NFPA 472 (2013 Ed.) 7.2.1.3.6]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment and Monitors: Equipment to calibrate or verify calibration; the following can be single gas or multi-gas monitors - Carbon monoxide monitor, Combustible gas indicator, Hydrogen Sulfide monitor, and/or Oxygen monitor

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Per	formance Test # 10				
Safely performs the following steps:			EST :	RETEST Page For	
		Pass	Fail	Pass	Fail
1. Turns meter on	1 , ,				
2. Determines what gas(es) meter ca	n detect				
3. Performs zero or fresh air set-up					
4. Performs bump-test to verify func	tionality				
RESULT	3 STEPS are required to Pass including ALL CRITICAL POINTS	PASS	FAIL	PASS	FAII
Proctor Comments:					
Proctor (Print & Sign):	Da	nte			
Re-Test Proctor (Print & Sign):	D:	ate			

_ Date__

Re-Test candidate (Print & Sign):_____



NFPA 472, chapter 7, 2013 Edition

Performance Test #11

Demonstrate Methods for Collecting Samples and Field Analysis of Gas, Liquid, or Solid

PERFORMANCE STANDARD:

The candidate, given examples of various hazardous materials in solid, liquid, or gas form, shall select the appropriate sampling equipment to take a sample of the given material(s) and monitoring equipment to identify and classify and/or quantify the results for each material. [NFPA 472 (2013 Ed.) 7.1.2.2 (a)(b); 7.2.1.3.5(1-12); 7.2.1.5]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment: Colorimetric tubes and pump, pipets, sample vials, swabs, spatulas, sample bags, pH paper or electronic pH meter, radiation detection instruments, reagents, test strips, samples of hazardous materials (solids, liquids, or gases); the following may be single or multi-gas monitors - carbon monoxide meter, oxygen meter, combustible gas meter, photoionization detector, etc

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:				
Training Provider:					
Test Site:					
Examiner:					
Do	nformana Tast # 11				
	rformance Test # 11	Т	EST	RETEST	
Safely performs the following steps:		Pass Fail		Pass	Fail
LIQUID OR					
1. Collects sample with correct sampling equip	ment:- CRITICAL POINT				
2. Lists equipment selected to take sample:- CI					
3. Chooses the correct instrument or instrument POINT	ts for the sample:- CRITICAL				
4. Lists instrument(s) chosen: :- CRITICAL P	OINT				
5. Correctly quantifies and classifies sample:-					
6. Lists quantifying results and subsequent clas	sification:- CRITICAL POINT				
SOLID: OR					
1. Collects sample with correct sampling equip					
2. Lists equipment selected to take sample: :- C					
3. Chooses the correct instrument or instrument POINT	•				
4. Lists instrument(s) chosen: :- CRITICAL P					
5. Correctly quantifies and classifies sample:- (
6. Lists quantifying results and subsequent clas	sification :- CRITICAL POINT				
GAS OR					
1. Collects sample with correct sampling equip					
2. Lists equipment selected to take sample::- C					
3. Chooses the correct instrument or instrument POINT	ts for the sample:- CRITICAL				
4. Lists instrument(s) chosen: :- CRITICAL P	OINT				
5. Correctly quantifies and classifies sample:					
6. Lists quantifying results and subsequent clas					
RESULT	ALL STEPS are required to Pass including ALL CRITICAL POINTS	PASS	FAIL	PASS	FAIL
Proctor Comments:	J	11100	11112	11100	
Proctor (Print & Sign):	Da	nte			
Re-Test Proctor (Print & Sign):	Da	ate			

Re-Test candidate (Print & Sign):________Date__



NFPA 472, chapter 7, 2013 Edition

Performance Test # 12

Radiation Detector Maintenance and Detection

PERFORMANCE STANDARD:

The candidate, given a radiation meter and detector and a labeled package to simulate a Type A radioactive package, will demonstrate the proper general procedures for performing field maintenance and measurement of radiation. Once the meter/detector has been verified to function properly, and the student has documented the field maintenance on a "radiation detection equipment maintenance and measurement record sheet" (to be provided by instructor/evaluator), the candidate will survey a "damaged" radioactive package to determine if it has been breached. If any removable contamination readings greater than 2 x background or exposure values exceeding the Transport Index listed on the package label are recorded, the candidate will document the findings and determine the container to be breached. If the container does not indicate surface contamination nor a Transport Index greater than what is shown on the label, the candidate will document that no breach or contamination detected. [NFPA 472 (2013 Ed.) 7.2.1.3.6; 7.2.3.5]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:			_	
Training Provider:					
Test Site:					
Examiner:					
Pe	rformance Test # 12	1		ı	
Safely performs the following steps:			EST_	RETEST Page Fail	
1. Inspects meter and detector		Pass	Fail	Pass	Fail
2 Records model number(s)					
3 Records serial number(s)					
4. Verifies calibration date					
5. Installs batteries or visually checks batt					
6. Properly determines type(s) of radiation	n meter/detector can				
measure					
7. Establishes background reading					
8. Surveys package to determine leak or b	oreach				
RESULT	6 STEPS are required to Pass including ALL CRITICAL POINTS	PASS	FAIL	PASS	FAII
Proctor Comments:					
Proctor (Print & Sign):	Do	ate			
Re-Test Proctor (Print & Sign):	D	ate			

__ Date____

Re-Test candidate (Print & Sign):



NFPA 472, chapter 7, 2013 Edition

Performance Test # 13

Assists in Incident Critique

PERFORMANCE STANDARD:

A four-person team, after watching a video of a hazardous materials incident, will critique the incident response shown in the video. Criteria for the team to critique may include strategy, tactics, PPE, general safety issues, site management, command, etc. [NFPA 472 (2013 Ed.) 7.1.2.2(5)(b)(c)]

Note to Evaluator(s):

By your signature below, you verify that you are qualified to serve as an AFSSAC Evaluator, have followed AFSSAC Testing Policies and have witnessed that the below candidate has tested the below skills in their entirety.

Equipment needed: computer, video projector, or television/video player

Note to Student:

Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern.



NFPA 472, chapter 7, 2013 Edition

Candidate:	Notes:					
Training Provider:						
Test Site:						
Examiner:						
Pe	rformance Test # 13					
		TEST		RET	RETEST	
Safely performs the following steps:		Pass	Fail	Pass	Fail	
 Reviews video and completes Post-Inciassist in formalized critique Identifies specific issues that are major the team would 						
a. Command and Control						
b. Tactical Operations						
c. Resources Required						
d. Support Services Required						
e. Plans and Procedures Inadequac	ies					
f. Training Inadequacies						
RESULT	ALL STEPS are required to Pass including ALL CRITICAL POINTS	PASS	FAIL	PASS	FAIL	
Proctor Comments: Proctor (Print & Sign): Re-Test Proctor (Print & Sign):		ite				

Re-Test candidate (Print & Sign):________ Date______