Hazardous Materials Technician

16 Skills Total

NFPA 1072,

Standard for Hazardous Materials/Weapons of Mass

Destruction Emergency Response Personnel Professional

<u>Qualifications</u>,

2017 Edition

1

NFPA 1072 Ch7 Tech	Task:	JPR Initial Certification Requirement: 6 Mandatory 3 Random Renewal JPR Requirement: 100% of All JPRs (Including all subsections)
1	Develop a Hazmat Incident Action Plan	7.1.7, 7.3.1, 7.3.1(B), 7.3.4, 7.5.1,7.5.1(B), 7.6.1, 7.6.1(B)
2	Use Approved Reference Resources	7.2.2, 7.2.2(B), 7.2.5, 7.2.5(B)
3	Sampling Techniques	7.2.1, 7.2.1(B), 7.2.2, 7.2.2(B)
4	Don, Work In & Decon - Splash Protection Clothing	7.3.2, 7.3.2(B), 7.4.2, 7.4.2(B), 7.4.3.1, 7.4.3.2, 7.4.3.2(B), 7.4.3.3(B)
5	Don, Work In & Decon -Vapor Protection Clothing	7.3.2, 7.3.2(B), 7.4.2, 7.4.2(B), 7.4.3.1, 7.4.3.2, 7.4.3.2(B), 7.4.3.3(B)
6	Inspect, Test, Maintain and Document Chemical Protective Clothing	7.3.2, 7.4.2(A), (B)
7	Perform Mass Decon on Ambulatory and Nonambulatory Victims	7.3.3, 7.3.3(B), 7.4.4.1
8	Perform Technical Decon on Ambulatory and Nonambulatory Victims	7.3.3, 7.3.3(B), 7.4.4.2
9	Plug and Patch a Leaking Container	7.2.3, 7.2.3(B), 7.4.3.2, 7.4.3.2(B)
10	Control a Leak from a Pressurized Container	7.4.3.2, 7.4.3.2(B)
11	Ground & Bond and Liquid Product Transfer from a Nonpressure Container	7.4.3.4, 7.4.3.4(B)
12	Remote Valve Shutoff/Emergency Shutoff Device	7.43.1(B), 7.4.3.2(B)
13	Tighten or Close Leaking Valves, Packing Glands, and/or Fittings	7.4.3.2, 7.4.3.2(B)
14	Dome Clamp	7.4.3.2, 7.4.3.2(B)
15	Overpack a Nonbulk Container and/or Radioactive Materials Package	7.4.3.3, 7.4.3.3(B)
16	Perform, Evaluate, and Terminate a Hazardous Material Incident	7.2.4, 7.2.4(B), 7.4.1, 7.41(B), 7.5.1, 7.5.1(B), 7.6.1, 7.6.1(B)

SKILL SHEET # 1 Develop a Hazmat Incident Action Plan

JPR: 7.1.7, 7.3.1, 7.3.1(B),	Tasks: Develop a hazmat incident action p			•	
7.3.4, 7.5.1, 7.5.1(B), 7.6.1,	plan that includes response options and ob				
7.6.1(B)	reports and documentation according to A	HJ polici	ies and	procedu	ires.
NFPA 1072, 2017 Edition					
Performance Outcome	The candidate, given a scenario, will develop	-			n plan
	with a site safety and control plan, along wit objectives.	n respons	se optio	ns and	
	Preparing an action plan utilizing a scenario identifying site safety and control componen safety briefing, identifying pre-entry tasks, ic physical safety hazards when incident involv	ts, identi dentifying	fying po g atmos	oints for pheric a	a nd
	preserving and collecting legal evidence.		1	,	
objectives and scenario option				1	
Critical Skills are identified	by a bold type "C". Any critical skill that is	not comp	leted is	conside	ered a
failure of the entire Skill Sheet					
	•				
	grounds for automatic failure. All proctors p	resent sh	all revie	ew the	
Safety: A safety violation is			all revie <i>tial</i>	ew the Ret	est
Safety: A safety violation is a safety violation.					est No
Safety: A safety violation is a safety violation. STEPS FO	grounds for automatic failure. All proctors particle of the second state of the second	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop res	grounds for automatic failure. All proctors particular for automatic failure. All proctors particular for the second seco	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop res	grounds for automatic failure. All proctors particle of the second state of the second	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop ress 2. Develop response option analysis.	grounds for automatic failure. All proctors particular for automatic failure. All proctors particular for the second seco	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop ress 2. Develop response option analysis.	grounds for automatic failure. All proctors pr R SKILL COMPLETION ponse objectives for the incident. ons for each objective based on risk a site map or sketch with control zones.	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop response option analysis. 3. Develop and describe a 4. Describe site communic	grounds for automatic failure. All proctors pr R SKILL COMPLETION ponse objectives for the incident. ons for each objective based on risk a site map or sketch with control zones.	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop response option analysis. 3. Develop and describe a 4. Describe site communication 5. Develop and describe response option	grounds for automatic failure. All proctors provide the second structure of th	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop response option analysis. 3. Develop and describe a 4. Describe site communication 5. Develop and describe response option	grounds for automatic failure. All proctors provide the second structure of the second structure of the second structure of the second structure of the second second structure of the second structur	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop response option analysis. 3. Develop and describe a 4. Describe site communion 5. Develop and describe to 6. Develop and describe to 7. Identify points for a safety	grounds for automatic failure. All proctors provide the second structure of the second structure of the second structure of the second structure of the second second structure of the second structur	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop ress 2. Develop response option analysis. 3. Develop and describe a 4. Describe site communion 5. Develop and describe r 6. Develop and describe r 7. Identify points for a sat 8. Describe preserving an	grounds for automatic failure. All proctors provide the second structure of th	Ini	tial	Ret	
Safety: A safety violation is a safety violation. STEPS FO 1. Identify or develop ress 2. Develop response option analysis. 3. Develop and describe a 4. Describe site communion 5. Develop and describe r 6. Develop and describe r 7. Identify points for a sat 8. Describe preserving an	grounds for automatic failure. All proctors provide the second se	Ini Yes	tial	Ret Yes	

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	
ICS 208 HM	Page 1	3/98

SITE SAFETY AND CONTROL PLAN ICS 208 HM	1. Incide	nt Nam	ne:		2. Date	e Prepare	ed:			Operat ne:	ional Pe	eriod:	
			Section	on I. Sit	e Inforr	nation			I				
4. Incident Location:													
			Sect	tion II.	Organiz	ation							
5. Incident Commander:		6.		oup Supe				7. Te	ech. Spe	cialist -	HM Re	ference):
8. Safety Officer:		9.	Entry I	Leader:				10. Sit	e Acces	s Contr	ol Lead	er:	
11. Asst. Safety Officer - HM:		12.	Deconta	amination	Leader:			13. Sa	fe Refug	je Area	Mgr:		
14. Environmental Health:		15.						16.					
17. Entry Team: (Buddy System Name:		1	PPE	E Level	18. De	contamir	nation E		: ame:			PPE L	evel
Entry 1					Decon	1							
Entry 2					Decon	2							
Entry 3					Decon	3							
Entry 4					Decon	4							
		Se	ction I	III. Haza	ard/Risk	Analys	sis						
19. Material:	Conta typ		Qty.	Phys. State	pН	IDLH	F.P.	I.T.	V.P.	V.D.	S.G.	LEL	UEL
Comment:													
		S	Section	IV. Ha	zard Mo	nitoring	3						
20. LEL Instrument(s):					21. 0	. Instrum	nent(s):						
22. Toxicity/PPM Instrument(s):					23. Ra	diologica	ıl Instru	ment(s):				
Comment:													
		Sec	tion V	. Decor	tamina	ion Pro	cedur	es					
24. Standard Decontamination F	Procedures:									YES:		NO:	
Comment:												-	
		Se	ction \	VI. Site	Commu	nicatio	ns						
25. Command Frequency:		26.	Tactical	I Frequen	су:		:	27. Er	ntry Freq	uency:			
		Se	ection	VII. Me	dical As	sistanc	e						
28. Medical Monitoring:	YES:	NO:		29. Me	dical Trea	atment a	nd Tran	sport I	n-place:	١	ES:	NC	D:
Comment:				<u>.</u>						I			

Section VI	I. Site Map		
30. Site Map:			
			T
			I
Weather 🖵 Command Post 🖬 Zones 🖬 Assemb	ly Areas 📮 Escape Routes 📮	Other 📮	
Section IX. E	ntry Objectives		
31. Entry Objectives:			
32. Modifications to Documented SOP s or Work Practices:	I Safe Work Practices	YES:	NO:
Comment:		163.	NO.
Section XI. Eme	gency Procedures		
Section XI. Emer 33. Emergency Procedures:	gency Procedures		
	gency Procedures		
	gency Procedures		
	gency Procedures		
33. Emergency Procedures: Section XII.	gency Procedures		
33. Emergency Procedures:			
33. Emergency Procedures: Section XII. 34. Asst. Safety Officer - HM Signature:	Safety Briefing Safety Briefing Completed (Time):		
33. Emergency Procedures: Section XII.	Safety Briefing		

INSTRUCTIONS FOR COMPLETING THE SITE SAFETY AND CONTROL PLAN ICS 208 HM

A Site Safety and Control Plan must be completed by the Hazardous Materials Group Supervisor and reviewed by all within the Hazardous Materials Group prior to operations commencing within the Exclusion Zone.

Item Number	Item Title	Instructions
1.	Incident Name/Number	Print name and/or incident number.
2.	Date and Time	Enter date and time prepared.
3.	Operational Period	Enter the time interval for which the form applies.
4.	Incident Location	Enter the address and or map coordinates of the incident.
5 - 16.	Organization	Enter names of all individuals assigned to ICS positions. (Entries 5 & 8 mandatory). Use Boxes 15 and 16 for other functions: i.e. Medical Monitoring.
17 - 18.	Entry Team/Decon Element	Enter names and level of PPE of Entry & Decon personnel. (Entries 1 - 4 mandatory buddy system and back-up.)
19.	Material	Enter names and pertinent information of all known chemical products. Enter UNK if material is not known. Include any which apply to chemical properties. (Definitions: ph = Potential for Hydrogen (Corrosivity), IDLH = Immediately Dangerous to Life and Health, F.P. = Flash Point, I.T. = Ignition Temperature, V.P. = Vapor Pressure, V.D. = Vapor Density, S.G. = Specific Gravity, LEL = Lower Explosive Limit, UEL = Upper Explosive Limit)
20 - 23.	Hazard Monitoring	List the instruments which will be used to monitor for chemical.
24.	Decontamination Procedures	Check NO if modifications are made to standard decontamination procedures and make appropriate Comments including type of solutions.
25 - 27.	Site Communications	Enter the radio frequency(ies) which apply.
28 - 29.	Medical Assistance	Enter comments if NO is checked.
30.	Site Map	Sketch or attach a site map which defines all locations and layouts of operational zones. (Check boxes are mandatory to be identified.)
31.	Entry Objectives	List all objectives to be performed by the Entry Team in the Exclusion Zone and any parameters which will alter or stop entry operations.
32 - 33.	SOP s, Safe Work Practices, and Emergency Procedures	List in Comments if any modifications to SOP s and any emergency procedures which will be affected if an emergency occurs while personnel are within the Exclusion Zone.
34 - 36.	Safety Briefing	Have the appropriate individual place their signature in the box once the Site Safety and Control Plan is reviewed. Note the time in box 34 when the safety briefing has been completed.

SKILL SHEET # 2 Use Approved Reference Resources

JPR: 7.2.2, 7.2.2(B), 7.2.5,	Tasks: Use approved reference reso	urces to i	nterpret l	nazard an	d response
7.2.5(B)	information.				
NFPA 1072, 2017 Edition					
Performance Outcome	The candidate, given a scenario and r	eference	resources	s will inte	rpret the
	hazard and response information.				
Equipment Required: A Ha	zardous Materials scenario, an assign	nment in	an IAP,	and appr	oved
reference resources.	-				
Critical Skills are identified I failure of the entire Skill Sheet.	by a bold type "C". Any critical skill	that is n	ot comple	eted is co	nsidered a
Safety: A safety violation is g	rounds for automatic failure. All pro-	ctors pre	sent shal	l review t	he
safety violation.					
		In	itial	R	etest
STEPS FOR SH	XILL COMPLETION	Yes	No	Yes	No
1. Collect hazard and resp	onso information				
C 2. Interpret hazard and res	sponse information.				
C 2. Interpret hazard and res 3. Identify signs and symp					
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 	sponse information. otoms of exposures (including target				
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 4. Determine radiation explanation 	sponse information. otoms of exposures (including target posure rates from containers.				
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 	sponse information. otoms of exposures (including target posure rates from containers.				
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 4. Determine radiation exp 5. Communicate hazard and and and and and and and and and an	sponse information. otoms of exposures (including target posure rates from containers.				
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 4. Determine radiation explanation explanation 	sponse information. otoms of exposures (including target posure rates from containers.	Score	e needed to	D pass	4
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 4. Determine radiation exp 5. Communicate hazard and and and and and and and and and an	sponse information. otoms of exposures (including target posure rates from containers.	Score	e needed to	pass	4
 C 2. Interpret hazard and res 3. Identify signs and symporgan effects). 4. Determine radiation exp 5. Communicate hazard and and and and and and and and and an	sponse information. otoms of exposures (including target posure rates from containers.	Score	e needed to	pass	4

Proctor Name

Proctor Signature

Retest Proctor Name

Explanatory Material for Skill Sheet #2

Hazardous materials technicians must have the knowledge and skills necessary to interpret the results of the incident analysis include weather conditions (current and projected); terrain; time of day; buildings; people; bodies of water; hazard and response information collected; results of detection, monitoring, and sampling; condition of container; and predicted behavior of the container and its contents. Approved resources include printed and technical resources, computer databases, and specialists in the field.

Proctors are required to develop a scenario where candidates must utilize the resources such as ALOHA, CAMEO, WISER, NIOSH and SDS to interpret and predict the behavior of the container and the chemical depending on the weather conditions, terrain, time of day, buildings, people, bodies of water, hazard and response information collected, results of detection, monitoring and sampling.

The equipment available to the Authority Having Jurisdiction (AHJ) must be able to support this evaluation.

SKILL SHEET # 3 Sampling Techniques

JPR: 7.2.1, 7.2.1(B), 7.2.2,	Tasks: Perform sampling techniques to identify hazards associated with
7.2.2(B)	solid, liquid, and gaseous substances.
NFPA 1072, 2017 Edition	
Performance Outcome	The candidate shall select the appropriate PPE and equipment. Candidate
	shall perform sampling techniques on a solid, a liquid, and a gas, identify
	the hazards associated with the given material, and collect a sample.

Equipment Required: Selection of various PPE ensembles, colorimetric (e.g. tubes, chips, papers, strips, reagents), electrochemical cells (e.g. toxic gas sensors), flammable gas/LEL, noncontact thermal detection device, oxygen concentration, photoionization detector (PID), biological detection and radiation detection and monitoring.

Critical Skills are identified by a bold type "C". Any critical skill that is not completed is considered a failure of the entire Skill Sheet.

Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.

	Ini	tial	Re	etest
STEPS FOR SKILL COMPLETION	Yes	No	Yes	No
1. Ensure proper detection, monitoring, or sampling method and				
equipment is chosen.				
2. Ensure that candidate selects appropriate PPE.				
3. Collect a sample of the material.				
Read, interpret, and report the results of the following tests:				
C 4. Colorimetrics (e.g., tubes, chips, papers, strips, reagents)				
C 5. Radiation detection and monitoring equipment				
C 6. Air Monitoring Equipment (Toxic gas, Flammable Gas				
LEL, Oxygen Concentration)				
C 7. Photoionization Detector (PID)				
C 8. Noncontact Thermal Detection Equipment				
9. Dispose of sample in accordance with appropriate				
regulations.				
10. Decontaminate equipment and return to operational state				
per manufacturer's instructions.				
11. Complete required reports and supporting documentation.				
Total				
	Score	needed to	o pass	9

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

Explanatory Material for Skill Sheet #3

Hazardous materials technicians must have the knowledge and skills necessary to operate and interpret readings for each of the following pieces of detection and monitoring equipment: colorimetric (e.g., tubes, chips, papers, strips, reagents); electrochemical cells (e.g., toxic gas sensors), flammable gas/LEL noncontact thermal detection, oxygen concentration, photoionization detector (PID) devices; and radiation detection and monitoring devices.

Proctors are required to develop a scenario where candidates must obtain a solid, liquid and gas sample. The equipment available to the Authority Having Jurisdiction (AHJ) must be able to support this evaluation. The proctor has the flexibility to choose a single colorimetric device (e.g., tubes, chips, papers, strips, reagents). Candidates must also demonstrate proficiency and understanding of the use of a 4-gas meter, PID, radiation detection/monitoring equipment and thermal detection equipment (e.g. Thermal Imaging Camera (TIC) or temperature heat gun).

SKILL SHEET # 4 Don, Work In, and Decon Wearing Liquid Splash Protection Clothing

JPR: 7.3.2, 7.3.2(B), 7.4.2, 7.4.2(B), 7.4.3.1, 7.4.3.2,	Tasks: Select, inspect, don and work in ap a liquid, undergo technical decontamination				
	a inquid, undergo technical decontamination	n, and don	PPE.		
7.4.3.2(B), 7.4.3.3(B)					
NFPA 1072, 2017 Edition Performance Outcome		(1	1	1 •	1
Performance Outcome	The candidate will select appropriate PPE,	correctly c	ion, wo	rk in, ar	ia
	undergo technical decontamination.				
	Select, inspect and use PPE, select and use	approved	control	agents a	and
	equipment; control leaks on containers and				
	plugging, sealing closures, remote valve sh				
	repositioning container; replace missing plu	ugs, and tig	ghtenin	g loose	
	fittings); decontaminate tools and equipment	nt; inspect	and ma	intain to	ools and
	equipment; and requirements for reporting	and docun	nenting	product	contro
	operations.				
assignment/scenario and pro	uid splash protective ensemble, SCBA, deco op for simulated product release. d by a bold type "C". Any critical skill that i		-	-	
assignment/scenario and pro Critical Skills are identified failure of the entire Skill She	uid splash protective ensemble, SCBA, deco op for simulated product release. d by a bold type "C". Any critical skill that i	is not com	pleted i	s consid	
assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is	quid splash protective ensemble, SCBA, deco op for simulated product release. d by a bold type "C". Any critical skill that i et.	is not com	pleted i	s consid	lered a
assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation.	quid splash protective ensemble, SCBA, deco op for simulated product release. d by a bold type "C". Any critical skill that i et.	is not com	pleted i	s consid ew the	lered a
assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F	 quid splash protective ensemble, SCBA, decopp for simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors is grounds for automatic failure. 	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a
assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F	 quid splash protective ensemble, SCBA, decompton for simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors product for the situation/scenario given. 	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a
assignment/scenario and pro Critical Skills are identifie failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F C 1. Choose the correct PP	 quid splash protective ensemble, SCBA, decompton simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors processes OR SKILL COMPLETION PE for the situation/scenario given. E and secure closures. 	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a
Assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F C 1. Choose the correct PP 2. Don liquid-splash PPI 3. Perform pre-entry che	 quid splash protective ensemble, SCBA, decopp for simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors is grounds for automatic failure. All proctors is complete the situation/scenario given. E and secure closures. ecks. 	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a
Assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F C 1. Choose the correct PP 2. Don liquid-splash PPI 3. Perform pre-entry che	quid splash protective ensemble, SCBA, decomposition op for simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors is grounds for automatic failure. All proctors is for the situation/scenario given. E for the situation/scenario given. E and secure closures. ecks. rol and any other given work assignment.	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a
Assignment/scenario and pro Critical Skills are identified failure of the entire Skill She Safety: A safety violation is safety violation. STEPS F C 1. Choose the correct PP 2. Don liquid-splash PPI 3. Perform pre-entry che C 4. Perform product control	quid splash protective ensemble, SCBA, decomposition op for simulated product release. d by a bold type "C". Any critical skill that is et. s grounds for automatic failure. All proctors is grounds for automatic failure. All proctors is contamination/scenario given. E and secure closures. excks. contamination.	is not comp present sh	pleted i all revi	s consid ew the <i>Ret</i>	ered a

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 5 Don, Work In, and Decon Wearing Vapor Protective Clothing

othing. Pro	oduct
f vapor	oduci
r vapor	
'11	.1
will corre	•
or protec	tion
agents an tching, ves, ose fittin ols and product c , an s consider	ngs); control
Rete	est
Yes	No
	110

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 6 Inspect, Test, Maintain, and Document Chemical Protective Clothing

JPR: 7.3.2, 7.4.2(A),(B) NFPA 1072, 2017 Edition	Tasks: Inspect, test, maintain, and document serviceability.	chemic	cal prote	ective cl	othing
Performance Outcome	The candidate, given adequate PPE and equipr will demonstrate their ability to inspect, test, a of protective clothing.				
Equipment Required: App and other manufacturer's req	ropriate PPE, manufacture instructions, PPE lo uired equipment.	og forn	ns, pres	sure tes	t kit
Critical Skills are identified failure of the entire Skill Shee	by a bold type "C". Any critical skill that is not.	ot com	pleted is	s conside	ered a
Safety: A safety violation is safety violation.	grounds for automatic failure. All proctors pre-	sent sh	all revie	ew the	
		Ini	itial	Ret	est
STEPS FC	R SKILL COMPLETION	Yes	No	Yes	No
Inspection					
1. Ensure the suit's service	eability.				
2. Visually inspect both th damage or defects.	e interior and exterior of the suit looking for				
3. Visually inspect the suit	for any changes to the suit material.				
4. Check to ensure the zip	per functions correctly.				
5. Check the function of al	i varves.				
Testing (Pressure Test)					
Testing (Pressure Test)	anufacturer's recommendations.				
Testing (Pressure Test)					
Testing (Pressure Test)C6. Test suit according to mDocumentation	anufacturer's recommendations. luring the inspection and remove any suits with				
Testing (Pressure Test)C6. Test suit according to mDocumentationC7. Document all findings of	anufacturer's recommendations. luring the inspection and remove any suits with from service.				

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 7 Perform Mass Decon on Ambulatory and Nonambulatory Victims

JPR: 7.3.3, 7.3.3(B), 7.4.4.1 NFPA 1072, 2017 Edition	Tasks: Perform mass decon on ambu	latory a	nd nonam	bulatory	victims
Performance Outcome	The candidate, working as a member of and applicable equipment, will demons decontamination on ambulatory and not	trate how	v to perfor	rm mass	e PPE
	opriate PPE, hose lines, fog nozzle(s), backboard or litter, bags and tags for pe				idence.
failure of the entire Skill Sheet					
Safety: A safety violation is g safety violation.	grounds for automatic failure. All proct	-	ent shall r i <i>tial</i>		e test
STEPS FOR S	KILL COMPLETION	Yes	No	Yes	No
 minimize hazards. 2. Ensure that all responde performing mass decon 3. Establish mass decontar nonambulatory deconta 4. Transfer the nonambula decontamination station device. C 5. Decontaminate as requir and items. 	nination corridor for ambulatory and mination in an adequate location. tory victims to a wash area of the on an appropriate backboard/litter red, and safeguard personal belongings				
handheld hoses and app	ng and wash entire body using propriate equipment. m the wash and rinse stations for				
8. Complete required repo	rts and supporting documentation.				
Total		Scor	e needed to	pass	7

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 8

Perform Technical Decon on Entry Team Members and Ambulatory and Nonambulatory Victims

JPR: 7.3.3, 7.3.3(B), 7.4.4.2	Tasks: Perform technical decon on en	•	n membe	ers and	
NFPA 1072, 2017 Edition	ambulatory and nonambulatory victim				
Performance Outcome	The candidate, working as a member of and applicable equipment, will demonst decontamination on ambulatory and nor	trate how	v to perfor	rm techni	
Equipment Required: App	ropriate PPE, hose lines, fog nozzle(s),	contam	ination co	ontainers	,
	sponges, brushes, backboard or litter, ba				
	by a bold type "C Any critical skill that :	is not as	malatadi	a aonaida	rada
failure of the entire Skill Sheet		is not co	Inpleted I	s conside	leu a
	grounds for automatic failure. All procted	ore proce	nt chall r	eview the	
safety violation.	grounds for automatic familie. All proce	ns piese	In Shan i		/
Survey violation.		In	itial	Re	test
STEPS FOR S	KILL COMPLETION	Yes	No	Yes	No
C 1. Ensure proper decontant	ination method has been chosen to				
minimize hazards.					
1	ers are wearing appropriate PPE for				
	contamination operations.				
	ontamination corridor for ambulatory				
	ontamination in an adequate location.				
	tory victims to a wash area of the				
decontamination statior device.	on an appropriate backboard/litter				
	red, and safeguard personal belongings				
6. Remove clothing and w	ash each victim's entire body using				
	s, and/or brushes and then rinse.				
7. Direct the victims from	the wash and rinse stations for medical				
evaluation.					
8. Complete required repo	rts and supporting documentation.				
Total		0 -			-
1000		5001	e needed t	o pass	7

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

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SKILL SHEET # 9 Plug and Patch a Leaking Container

JPR: 7.2.3, 7.2.3(B), 7.4.3.2,	Tasks: Plug and patch a leaking container.				
7.4.3.2(B)					
NFPA 1072, 2017 Edition					
Performance Outcome	The candidate shall select appropriate PPE and to	ools and	d will c	lemonst	trate
	their ability to plug and patch a leaking containe				
	opriate PPE, plugging and patching kits, contai	ner wit	h holes	s, additi	ional
hand tools.					
Critical Skills are identified	by a bold type "C". Any critical skill that is not	comple	ted is a	conside	red a
failure of the entire Skill Sheet.		compic	100 15	conside	icu a
	rounds for automatic failure. All proctors prese	nt chall	rovior	v tha	
safety violation.	rounds for automatic fantice. All proctors prese	in shan	IEVIEV	v the	
safety violation.		7	4:1	D -4	4
	OR SKILL COMPLETION	Ini		Ret	
		Yes	No	Yes	No
	control technique is chosen and that the				
	and the level of risk is assessed.				
-	ers involved in the control function are wearing				
	rforming plugging and patching operations and				
** *	ools have been selected.				
	ciently and safely perform the operation(s) and				
communicate the cond	ition of the container to the IC.				
4. Avoid direct contact w	ith the hazardous material.				
5. Determine the location	of the leak.				
6. Attempt to position con	tainer so that the location of leak is in the				
uppermost position.					
C 7. Use the proper tools ar	d equipment to control and plug and patch the				
leak.					
8. Decon tools and equipt	nent and complete required reports and				
supporting documentat					
¥¥ Ų					

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	_
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 10 Control a Leak from a Pressurized Container

JPR: 7.4.3.2, 7.4.3.2(B)	Tasks: Apply appropriate leak control measur	es to st	op the	flow of	f
NFPA 1072, 2017 Edition	product from a leaking pressurized container.		op me	110 11 01	-
Performance Outcome	The candidate shall select appropriate PPE and to demonstrate how to stop the flow of product from				
Equipment Required: App pressurized container with ho	ropriate PPE, tools and equipment for controllin les and additional hand tools.	ng a lea	ık, sim	ulated	
Critical Skills are identified failure of the entire Skill Sheet.	by a bold type "C". Any critical skill that is not	comple	eted is o	conside	red a
Safety: A safety violation is g safety violation.	grounds for automatic failure. All proctors prese	nt shall	reviev	w the	
		Ini	tial	Ret	est
STEPS FO	OR SKILL COMPLETION	Yes	No	Yes	No
	DR SKILL COMPLETION control technique is chosen.	Yes	No	Yes	No
1. Ensure proper product		Yes	No	Yes	No
1. Ensure proper product2. Ensure that all respond	control technique is chosen.	Yes	No	Yes	No
1. Ensure proper product2. Ensure that all respond	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to efficient 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected.	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to efficient 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected. iciently and safely perform the operation. ith the hazardous material.	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to effi Avoid direct contact w Determine the location 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected. iciently and safely perform the operation. ith the hazardous material.	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to effi Avoid direct contact w Determine the location 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected. iciently and safely perform the operation. ith the hazardous material. of the leak.	Yes	No	Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to effi Avoid direct contact w Determine the location Attempt to position con C 7. Control the leak. 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected. iciently and safely perform the operation. ith the hazardous material. of the leak.	Yes		Yes	No
 Ensure proper product Ensure that all respond appropriate PPE for pr equipment have been s Select a location to effi Avoid direct contact w Determine the location Attempt to position con C 7. Control the leak. 	control technique is chosen. ers involved in the control function are wearing oduct control and that appropriate tools and selected. iciently and safely perform the operation. ith the hazardous material. of the leak. ntainer to best control the leak.		No		<u>No</u>

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 11 Ground and Bond and Liquid Product Transfer from a Nonpressure Container

JPR: 7.4.3.4, 7.4.3.4(B) NFPA 1072, 2017 Edition	Tasks: Ground and bond nonpressurized containers. Conduct a liquid transfer operation involving a leaking nonpressurized container.				
Performance Outcome	The candidate shall select appropriate PPE, tools, a leaking container, and a scenario, will correctly ground and bond and conduct a liquid transfer operation.				
	uate PPE, a hazardous materials scenario, a ding equipment and appropriate tools and ec	U		ner, rec	overy
failure of the entire Skill Sheet.	by a bold type "C". Any critical skill that is grounds for automatic failure. All proctors pr		<u> </u>		lered a
•		Ini	tial	Ret	est
STEPS FOI	R SKILL COMPLETION	Yes	No	Yes	No
 Ensure that all responde wearing appropriate PP and that appropriate har Air monitoring establish 	ontrol technique is chosen. rs involved in the control function are E for performing liquid transfer operations ad tools have been selected. ed. iently and safely perform the bonding and				
•	ween grounding rod and earth.				
C 6. Ground the containers.					
7. Bond the containers. NOTE: Check resistance bet	ween bonding clamp and container.				
C 9. Use approved liquid tran container and suppress	and complete required reports and				
Total		Score	needed	to pass	8
Candidate Name	Candidate Signature				Da

Proctor Name

Proctor Signature

Retest Proctor Name

SKILL SHEET # 12 Remote Valve Shutoff/Emergency Shutoff Device

JPR: 7.4.3.1(B), 7.4.3.2(B) NFPA 1072, 2017 Edition	Tasks: Perform a remote valve shutoff or activate an emergency shutoff device.				
Performance Outcome	The candidate shall select appropriate PPE and will show their ability to operate the equipment correctly.				
Equipment Required: Appr	opriate PPE, prop with emergency remote shu	toff devi	ice.		
Critical Skills are identified I failure of the entire Skill Sheet.	by a bold type "C". Any critical skill that is no	t comple	eted is	conside	red a
Safety: A safety violation is g safety violation.	grounds for automatic failure. All proctors pres	ent shall	reviev	w the	
		Initial Rete		est	
STEPS FO	OR SKILL COMPLETION	Yes	No	Yes	No
1. Ensure proper product c	ontrol technique is chosen.				
1	rs involved in control functions are wearing forming remote valve shutoff operations.				
<u> </u>	mergency remote control valve and/or				
	rol valve and/or emergency shutoff device				
	and complete required reports and supporting				
Total		Score	needed	to pass	4

Candidate Name

Candidate Signature

Date

Proctor Name

Proctor Signature

Retest Proctor Name

SKILL SHEET # 13 Tighten or Close Leaking Valves, Packing Glands, and/or Fittings

JPR: 7.4.3.2, 7.4.3.2(B) NFPA 1072, 2017 Edition	Tasks: Tighten or close leaking valve fittings.	s, closur	es, packi	ng glands	, and/or
Performance Outcome	The candidate shall select appropriate PPE, tools and equipment and will correctly tighten or close the object given in the scenario.				
Equipment Required: Appraire a leaking valve, closure, pack	opriate PPE, a hazardous materials scening gland, or fitting.	nario, a c	container	prop with	n either
failure of the entire Skill Sheet.	by a bold type "C". Any critical skill the				lered a
safety violation is g	grounds for automatic failure. All procte	ors prese	nt shall re	eview the	
		Ini	itial	Ret	est
STEPS FOR S	KILL COMPLETION	Yes	No	Yes	No
1	rs involved in the control function are E and that appropriate hand tools have				
2. Select a location to efficient closing operations.	eiently and safely perform tightening or				
3. Remove obstructions fro	om container if possible.				
	tainer so that valve or leak is in the				
** *	valves, closures, packing glands, priate.				
Total			e needed t		4

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 14 Dome Clamp

JPR: 7.4.3.2, 7.4.3.2(B) NFPA 1072, 2017 Edition	Tasks: Apply a dome clamp.				
Performance Outcome	The candidate shall demonstrate the ability MC-306/DOT 406 training dome by proper		-		
Equipment Required: Adea	quate PPE, dome clamp, MC-306/DOT 400	5 simulato	r.		
Critical Skills are identified failure of the entire Skill Sheet	by a bold type "C". Any critical skill that i	is not com	pleted is	s consid	ered a
Safety: A safety violation is a safety violation.	grounds for automatic failure. All proctors	present sh	all revi	ew the	
		Ini	tial	Ret	est
STEPS FO	R SKILL COMPLETION	Yes	No	Yes	No
1. Identify tank capacity	by using markings or other resources.				
2. Identify precautions for	or fire control.				
3. Approach the simulate	or safely.				
4. Eliminate ignition sou	irces.				
C 5. Locate leaking dome	and properly apply dome clamp.				
6. Evaluate the effective	ness of control functions.				

Candidate Name

Candidate Signature

Date

Proctor Signature

Retest Proctor Name

SKILL SHEET # 15 Overpack a Nonbulk Container and/or Radioactive Materials Package

JPR: 7.4.3.3, 7.4.3.3(B)	Tasks: Overpack a nonbulk container and/or	radioac	tive ma	aterials	
NFPA 1072, 2017 Edition	package.				
Performance Outcome	The candidate shall select appropriate PPE and e overpack the container.	equipme	ent and	will co	rrectl
	Note: The slide-in, rolling slide-in, or slip-over taught, however, only one needs to be tested.	method	s shoul	d all be	;
equipment, labeling equipment					
Critical Skills are identified failure of the entire Skill Sheet	by a bold type "C". Any critical skill that is not	comple	eted is o	conside	red a
Safety: A safety violation is a safety violation.	grounds for automatic failure. All proctors prese				
			tial	Ret	1
	OR SKILL COMPLETION	Yes	No	Yes	No
2. Ensure that all responde	control technique is chosen. ers involved in the control function are wearing forming overpacking operations and that have been selected				
	ciently and safely perform the overpacking				
	th the hazardous material to the extent possible, e patched container or package.				
safe lifting techniques.	ainer or package in appropriate position using				
6. Properly overpack the					
C 7. Close, mark, and label NOTE: Use the UN # and label containers.	the overpack container. and name of material to mark				
8. Inspect and decon tools documentation	s; complete required reports and supporting				
Total			needed		7

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	

SKILL SHEET # 16 Perform, Evaluate and Terminate a Hazardous Material Incident

JPR: 7.2.4, 7.2.4(B), 7.4.1,	Tasks: Perform, evaluate and terminate a ha	azardou	s mater	rial inci	dent
7.4.1(B), 7.5.1, 7.5.1(B), 7.6.1,	based off the prepared hazmat IAP.				
7.6.1(B)					
NFPA 1072, 2017 Edition					
Performance Outcome	The candidate, given a completed hazmat IAP	will pe	rform, e	evaluate	and
	terminate a hazardous material incident.				
Equipment Required: Com	pleted site safety plan from Skill Sheet #1, ap	proved	comm	unicatio	ons
equipment, reporting and reco		prov e a	•••	unicatio	115
	by a bold type "C". Any critical skill that is n	not comp	pleted is	s conside	ered a
failure of the entire Skill Sheet.					
Safety: A safety violation is g	rounds for automatic failure. All proctors pre	esent sha	all revie	ew the	
safety violation.					
		Ini	tial	Ret	est
safety violation.	R SKILL COMPLETION	Ini Yes	tial No	Ret Yes	est No
safety violation.	R SKILL COMPLETION				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15).				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observation	s in the Hazardous Materials Branch or group ze any skill sheet scenario from 9 - 15). ons to Hazardous Materials Branch				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observation	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15).				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander.	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander.	s in the Hazardous Materials Branch or group ze any skill sheet scenario from 9 - 15). ons to Hazardous Materials Branch				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander.	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander. 3. Compare actual behavior behavior.	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander. 3. Compare actual behavior behavior.	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident or of material and container to predicted s of response options and actions in				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observation Director/Supervisor, IC Commander. 3. Compare actual behavion behavior. 4. Determine effectiveness accomplishing response	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident or of material and container to predicted s of response options and actions in e objectives.				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observation Director/Supervisor, IC Commander. 3. Compare actual behavion behavior. 4. Determine effectiveness accomplishing response	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident or of material and container to predicted s of response options and actions in				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observati Director/Supervisor, IC Commander. 3. Compare actual behavior behavior. 4. Determine effectiveness accomplishing response 5. Review response action	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident or of material and container to predicted s of response options and actions in e objectives. is and discuss and evaluate effectiveness and				
safety violation. STEPS FO 1. Perform assigned duties organization (May utili 2. Communicate observation Director/Supervisor, IC Commander. 3. Compare actual behavior behavior. 4. Determine effectiveness accomplishing response 5. Review response action alternatives.	s in the Hazardous Materials Branch or group ize any skill sheet scenario from 9 - 15). ions to Hazardous Materials Branch CS operations section chief, or Incident or of material and container to predicted s of response options and actions in e objectives. is and discuss and evaluate effectiveness and	Yes		Yes	

Candidate Name	Candidate Signature	Date
Proctor Name	Proctor Signature	
Retest Proctor Name	Retest Proctor Signature	