

# State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL



### Hazardous Materials/Weapons of Mass Destruction Awareness and Operational Level – Skill Sheet Index

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		2017 Edition
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# **Awareness and Operations Level Hazardous Materials/WMD**

Skill 1	No. <b>HMA-</b>	-1 Primary Task:		of DOT Guidebook – Ana ard Information	alyze An Incident, Coll	ect	
					Candidate No.		
		llyze an incident to det ation – NFPA 1072 20		e both hazardous materials/WM tion, 4.2.1B	1D present and the basic haza	ard and	
		•		Emergency Response Guide (Esent, collect the basic hazard and	, .	ent to	
Note	to candidat	te: Skill will end when ye	ou state	e or indicate that you have complete	ed the identified steps. 1	st 2nd	
1.	* Detects p	resence of hazardous	s mate	rials/WMD by identifying one or	more of the following		
<ul> <li>Container shape</li> <li>Placard</li> <li>Distinctive marking</li> </ul>							
2.	Identifies m	naterial name in index					
3.	* Determin	es correct Guide Num	iber to	use			
4.	Identifies U	/N/NA identification nι	umber	of hazardous material/WMD inv	/olved		
5.	*Identifies I	nazard class for produ	ıct (eitl	her class name or number)			
6.	Identifies r	nain safety hazard usi	ing the	e current edition of DOT ERG			
7.	Initiates pro	otective actions consis	stent w	ith the DOT ERG			
8.	Initiates init	tial notification proces	,S				
* Criti	ical Step	Failure of this step manda failure on the entire object		Safety is <b>Paramount</b>	Total number steps candidate must complete to pass	6	

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#### **Hazardous Materials/WMD**

Skill N	No. H	IMA-2	Primary Task:	Use of DOT Guideboo	ok – Spill Identificatio	n	
					Candidate N	0.	
	bility ton, 4.3.		actions to be taken to pr	otect themselves and others, ar	nd control access – NFPA 1	072 20	17
			n an example of a hazard response information	ous material/WMD and a DOT i	Emergency Response Guio	lebook	
Note	to can	didate:	Skill will end when you state	e or indicate that you have complete	ed the identified steps.	1st 2	2nd
1.	* Iden	itified en	nergency action (fire, spill	, leak or first aid)			
2. * Identified necessary protective personal equipment							
3.	3. * Identified initial isolation distance and protective action distances						
<ul> <li>Identified appropriate isolation distance to the given hazardous material/WMD example using Table of Isolation and Protective Action Distances or isolation distances in numbered guides</li> </ul>							
* Recommended personal protective equipment from the following:							
	•		t clothing and work unifor		_	•	
	•	Positi	tural fire-fighting protectiv ve pressure self-containe nical-protective clothing ar	d breathing apparatus			
5.	* Use			be difference between small an	d large spills		
0.	000	u DO 1 L	ine to lacrimy and accom	be difference between email an			
* Criti	cal Ste		ailure of this step mandates ilure on the entire objective	Safety is <b>Paramount</b>	Total number steps candidat must complete to pass	e 5	)

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#### **Hazardous Materials/WMD**

Ski	II Sheet #:	НМА 3	Primary	Use of SDS-Collect Hazard I	Information		
Obj	ective(s): 4	.2.1(B)	N	IFPA Standard:1072 2017Edition	n Cand #	didate	
			Perfor	mance Evaluation Sheet			
		in SDS and questic c hazard and respo		andidate will determine the ha	azardous material/	WMD pı	resent,
						1st	2nd
1.	Identifies ma	terial name					
2.	*Identifies C	AS number					
3.	Identifies phy	ysical state of produc	ct				
4.	Identifies sta	bility of chemical					
5.	*Identifies va	apor density of mater	ial				
6.	*Identifies co	orrect fire extinguishin	ng media				
7.	Identifies sig	nal word					
* C	ritical Task	Failure of this task mand the entire objective	dates failure on	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must compass	plete to	5

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# Hazardous Materials/WMD Operations Level

Performance Evaluation Sheet

Skill	Sheet	HMO-1	Primary Ta	sk: Ider	ntify Cargo Tan	nks by Type		
						Candidate	No.	
The a	ability to	identify contain	ners by shape - NF	PA Standard	l: 1072, 2017 Editi	on 5.2.1A, 5.2.1B(1)		
			examples of each li apes of containers	quid, gas, aı	nd solid hazardous	materials or WMD, and	an ERG	<b>)</b> ,
Note	to can	didate: Skill will	end when you state	or indicate tha	at you have complete	d the identified steps	1st	2nd
1.	Tank	Car						
	•	Cryogenic liq Nonpressure Pressure tanl	tank car					
2.	Interm	odal Tank						
	<ul> <li>Nonpressure intermodal tank</li> <li>Pressure intermodal tank</li> <li>Specialized intermodal tank (cryogenic, tube module)</li> </ul>							
3.	Cargo	Tank						
	•	Compressed Corrosive liqu Cryogenic liq Dry bulk tank High pressure Low pressure Nonpressure	uid tanks s e tanks e tanks					
4.	Storaç	ge Tanks						
	•	Cryogenic liq Nonpressure Pressure tanl	tank					
5.	Interm	ediate bulk cor	tainer					
6.	Ton c	ontainer						
* Crit	tical Ste		f this step mandates on the entire objective	Safety is <b>F</b>	PARAMOUNT	Total number steps candi must complete to pass	date	5

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## **Hazardous Materials/WMD Operations**

#### Level

#### Performance Evaluation Sheet

Ski	III Sheet No. HMO-2	Pr	imary Task:	Identifyin	g Incident Sco	оре	
Ob	jective(s): 5.2.1B(1)		NFPA Standard	11072	Car	ndidate No.	
			2017 Edition				
		Perfe	ormance Evalu	ation Sheet			
Та	sk						
						1st	2nd
1	Identifies conatiner typ	oe .					
2	Identifies location of le	ak					
3	*Identifies type of mate						
4	Collects hazard info						
5	*Describes potential hazards						
						<u> </u>	
							ļ
* C	ritical Step Failure of failure on	this step mandates the entire objective	Safety is PAR	AMOUNT	Total number task must complete to		4

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## **Hazardous Materials/WMD Operations**

#### Level

#### Performance Evaluation Sheet

Skill Sheet No.	HMO-3	Primary Task:	Pipeline I	nformation Collec	ction		
Objective(s):	5.2.1B(2)	NFPA Standard	1072	Candida	te No.		
		2017 Edition					
	Pe	erformance Evalua	tion Sheet				
Task							
					1st	2nd	
1 Identifies ov	wner/operator of pipeline						
2 Identifies co	orrect phone number to conf	tact pipeline owner/o	operator				
3 Collects pro	3 Collects product identification information from pipeline owner/operator						
4 Identifies po	Identifies potential hazards						
* Critical Step	Failure of this step mandates failure on the entire objective	Safety is PARA	MOUNT	Total number tasks car must complete to pass	ndidate	3	

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#### **Hazardous Materials/WMD**

# **Operations Level**

Performance Evaluation Sheet

Skill I	No. <b>H</b> l	MO-4	Primary Ta	sk:	Predict Likely Beh Container	avior of a Material a	ind	
						Candidate	No.	
5.2.1	A, 5.2.1	B(3)(4)				PA Standard 1072, 2017	Editior	٦,
		, ,	,		•	neet (MSDS), if available, n patterns, and exposure	risks	
Note	to can	didate: Skill will en	d when you state	or indic	cate that you have complet	ed the identified steps.	1st	2nd
					NDIDATE WILL MATC			
1.	Boiling	g point						
2.	Chemi	ical reactivity						
3.	3. Corrosivity (pH)							
4.								
5.	5. Flash point							
6.	6. Ignition (autoignition) temperature							
7.	7. Particle size							
8.	Persis	tence						
9.	Physic	al state (solid, liqu	uid, gas)					
10.	Radiat	tion (ionizing and r	non-ionizing)					
11.	Specif	ic gravity						
12.	Toxic	products of combu	ustion					
13.	Vapor	density						
14.	Vapor	pressure						
15.	Water	solubility						
16.	Identif	y three types of st	ress that cause	contai	ner systems to release o	contents		
17.	Identif	y five ways contai	ners can breacl	h				
18.	Identif	y four ways contai	ners can releas	se conte	ents			
19.	Identif	y four dispersion p	atterns					
20.	Identif	y time frames for e	estimating dura	tion of e	exposure risk			
21.	Identif	y health and phys	ical hazards tha	at could	cause harm			
* Crit	O 't'   O'   Failure of this step manufator						15	

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### **Hazardous Materials/WMD Operations**

#### Level

Performance Evaluation Sheet

Skill No.	HMO-5	Primary Task:	Identifies Role of Fir dentifies Levels of Hazard		ents			
Objective	e(s): 5.4.	1, 5.4.1B(1,2,3)	NFPA Standard: 1072 2017 Edition	Candidate	No.			
		Per	formance Evaluation Sheet					
Task:					1st	2nd		
1.	Determin	es response objectives						
2.	Identifies	the need for isolation						
3.	Identifies hazards and risks							
4.	4. Selects approved PPE suitable for incident type							
5.	Identifies	decon needs based on	the scope of the incident					
6.	* Identifie	s level of Hazardous Ma	terials Incidents					
* Critical		Failure of this step mandates ailure on the entire objective	Safety is <b>Paramount</b>	Total number steps candid must complete to pass	date	5		

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Hazardous Materials/WMD Operations**

#### Level

#### Performance Evaluation Sheet

Ski	ill Sheet No. HMO-6	Primary Task:	Go throug	gh Decon in PPE				
Ob	pjective(s): 5.4.1B(3)(4), 6.2.1B(3)	NFPA Standard	1072	Candida	te No.			
		2017 Edition						
		Performance Evalua	ation Sheet					
Та	sk							
					1st	2nd		
1	*Wears PPE appropriate for incident	t and chemical type						
2	Places exposed tools in proper colle	ection area						
3	Enters Emergency/Technical decon	tamination area as dir	ected					
4	4 Follows instructions of decontamination area personnel							
5	5 *Properly doffs PPE at the direction of decontamination area personnel							
6	Exits decontamination area and repo	orts to EMS for medica	al evaluation					
•				ı				
* C	Failure of this step mandat failure on the entire objective		AMOUNT	Total number tasks can must complete to pass	didate	5		

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# COMMISSION ON FIRE PREVENTION AND CONTROL Hazardous Materials/WMD Operations



#### Level

Performance Evaluation Sheet



#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



### **Hazardous Materials/WMD Operations**

#### Level

#### Performance Evaluation Sheet

Skill No	o. <b>HMO-7 Pri</b> n	mary Task:	Emergency Decontaminat	ion				
				Candidate N	No.			
The ab	ility to perform emerge	ency decontan	nination – NFPA 1072, 2017 Editio	on 5.5.1B(1-6)				
The ca	ndidate, given a scena	ario involving h	azardous materials/WMD, shall de	emonstrate the ability to pe	erform	1		
emerg	ency decontamination	and report sta	tus of response					
Note to	o candidate: Skill will e	end when you st	ate or indicate that you have complete	ed the identified steps.	1st	2nd		
	AMBULATORY VICTIM							
1.	Wears appropriate prote	ective clothing						
2.	Removes victim from c	ontaminated are	a (effort is made to contain runoff)					
3. l	nstructs victim to remove	e clothing in a m	nanner that minimizes spread of conta	minates				
4.	Performs quick head-to	o-toe rinse, wash	i, rinse					
5	Transfers victim to treatment personnel for assessment							
		•		-				
	Informs Live personner of contaminant involved							
7.	Documents and reports	s status of respo	nse through normal chain of comman	d				
NONAMBULATORY VICTIM								
1.	Wears appropriate prote	ective clothing						
		_						
2.	Ensures victim is secure	d to roof ladder,	stokes basket, sked or other device					
3.	Removes victim to the	emergency deco	ontamination area (effort is made to co	ontain runoff)				
			while ensuring, where practical, that the	he victim does not come in				
	further contact with any o	contaminants		_				
5.	Performs quick head-to	o-toe rinse, wash	ı, rinse					
6.	Transfers victim to treatn	nent personnel f	or assessment					
7.	Informs EMS personne	el of contaminant	involved					
8.	* Documents and reports	s status of resno	nse through normal chain of comman	d				
			noo amouga momua onam or commun					
* Critic		is step mandates e entire objective		Total number steps candida must complete to pass	ate	5		
				Ambulatory victim		J		
* Critic		s step mandates	Safety is <b>Paramount</b>	Total number steps candida	ate	_		
	rallure on the	e entire objective		must complete to pass Nonambulatory victim		6		
			1					

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



### **Hazardous Materials/WMD Awareness**

### and Operations Level

Performance Evaluation Sheet

Skill	Skill No. <b>HMO-8</b> Primary Task:				Evaluate and Report Progress of Assigned Tasks					
Obje	ctive(s): 5	.6.1B(1)(2)(3)(4)			NFPA Standard: 2017 Edition	1072	Candidate I	No.		
Task	<b>::</b>							1st	2nd	
1.	Identifies a	actions needed to	stabilize th	e incident						
2.	Identifies v	what could cause	the Inciden	t to intensi	fy					
3.	Identifies v	when it would be	prudent to w	vithdraw						
4.	4. Determines whether actions being taken are effective									
5.	5. Communicates status of incident tasks to IC									
* Crit	ical Step	Failure of this step failure on the entire		Safety is	Paramount		er steps candid lete to pass	ate	4	

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# State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL Awareness Operation Level



#### Performance Evaluation Sheet

Skill Sheet No	· HMO-9	Primary Task: Selecting PPE for the Assignment					
Objective(s):	6.2.1B(1), 6.3.1B(1),	NFPA Standard	d 1072	Candid	ate No.		
	6.4.1B(1)	2017 Edition					
Task: Given the assignment	a Hazardous Materials ent given	Incident scenario t	he candidate	will determine the	proper F	PE for	
					1st	2nd	
1 Determine	es action to be performed						
2 Determine	es level of personal protect	ion needed					
3 Selects pr	oper PPE based on incide	nt action plan					
						1	
1							
* Critical Step	Failure of this step mandate failure on the entire objectiv		Total number tasks candidat must complete to pass			3	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



### **Hazardous Materials/WMD Operations**

#### Level

#### Performance Evaluation Sheet

Skill N	o. HMO-10 Primary Task: Donning and Working in a Chemical F	Protec	tive					
	Candidate	No.						
The al	pility to don and work in personal protective clothing – NFPA 1072, 2017 Edition, 6.2.1B(2)							
	andidate, given an incident and a Level B chemical-protective clothing ensemble, shall don, and cal-protective Level B suit	work ii	n a					
Note t	co candidate: Skill will end when you state or indicate that you have completed the identified steps.	1st	2nd					
1.	* Plans a response to the incident provided							
2.	* Performs a visual inspection of PPC (damage or defects)							
3.	While sitting, pulls suit to waist level							
4.	Pulls on chemical boots over the top of chemical suit							
5.	Pulls the suit boot covers over the boot or tapes as needed							
6.	S. Dons inner gloves							
7.	With assistance, places both arms in suit and pulls suit over shoulders							
8.	Instructs assistant to close the chemical suit using zipper and splash flap							
9.	Stands and dons SCBA and SCBA face piece (does not connect regulator)							
	Ensures unit is secured and adjusted properly							
10.	With assistance, pulls hood over head and SCBA face piece							
11.	Places helmet on head							
12.	Pulls on outer gloves							
13.	* Instructs assistant to connect regulator to face piece and ensures air flow							
	<ul> <li>Inhales activating regulator, holds breath for 5 seconds to ensure there are no leaks</li> <li>Exhales forcefully to ensure exhalation valve is working properly</li> </ul>							
	* Performs a physical task (such as threading a nut on a bolt) demonstrating ability to perform work in PPE							
* Critic	cal Step Failure of this step mandates failure on the entire objective Safety is <b>PARAMOUNT</b> Total number steps candid must complete to pass	late	10					

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Hazardous Materials/WMD Operations**

#### Level

Performance Evaluation Sheet

Skill N	No. <b>HMO</b> -	-10A	Primary Ta	sk:	Doffing a Cher	mica	I Protective Level I	3 Suit	
							Candidate	No.	
The a	bility to doff	personal prote	ctive clothing	and te	rminate the inciden	t– NF	PA 1072, 2017 Edition,	6.2.1B(2	2)
					mical-protective clo	thing	ensemble, shall doff a cl	nemical	-
Note	to candida	te: Skill will end v	when you state	or indic	cate that you have co	mplet	ed the identified steps.	1st	2nd
1.	* Demonst	rates procedure	for undergoi	ng tech	nnical decontamina	tion			
2.	* Doffs SC	BA keeping face	e piece in pla	се					
Instructs assistant to open chemical splash flap and zipper									
4.	Removes h	nands and arms	from suit glo	ves (ex	ccept inner gloves)				
5. Instructs assistant to begin at head and roll suit down and away until suit is below waist level									
6.	Sits and in	structs assistan	t to continue	removi	ng suit and remove	boots	S		
7.	Removes i	nner gloves							
8.	Removes	SCBA face piece	е						
9.	Proceeds t	o rehabilitation	area						
10.	* Complete	es documentatio	n and reports	s to terr	minate incident				
* Criti	cal Step	Failure of this step failure on the enti		Safet	y is <b>PARAMOUI</b>	NT	Total number steps candi must complete to pass	date	7

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# **Hazardous Materials/WMD Operations**

#### Performance Evaluation Sheet

Level

Skill N	lo. <b>HMO</b> -	-10B	Primary Tas	sk:	Donning and Doffi Protective Suit - A	ing Level B Chemic	al-	
						Candidate	No.	
The ab	ility to assis	t the donning and	d doffing of pers	sonal pr	otective clothing – NFPA 1	072, 2013 Edition, 6.2.1B(2	<u>'</u> )	
		ren an incident an e Level B suit (PF		emical-ç	protective clothing ensembl	le, shall assist in the donnin	g of a	
Note t	o candida	te: Skill will end	when you state	or indic	cate that you have complete	ed the identified steps.	1st	2nd
	DONNING							
1. '	* Performs	a visual inspectio	on of the PPC					
2. /	Assists don	ning non-encaps	ulating level B f	PPC and	d secures closures			
3. /	Assists don	ning work boots	(suit leg over to	p of boo	ot or tapes no opening betw	veen boot and suit)		
4.	Assists donning SCBA							
5. I	Pulls suit hood up completely							
6. /	6. Assists donning inner and outer gloves							
7. *	* Attaches \$	SCBA regulator a	and makes sure	SCBA i	is functioning properly			
8. *	* Ensures a	all PPE is donned	properly (no ex	kposed :	skin)			
	DOFFING							
1. '	* Assists do	offing the SCBA (f	face piece rema	ains in p	place)			
2. (	Opens spla	sh flap and suit z	:ipper					
3. I	Rolls suit do	own from head to	below respond	ler's wa	iist			
4. I	Rolls suit do	own and removes	s work boots					
5. /	Assists rem	noving inner glove	∋s					
6. /	Assists rem	noving face piece						
* Critic	cal Step	Failure of this ste failure on the ent				Total number steps candid must complete to pass <b>do</b>		6
* Critic	cal Step	Failure of this ste failure on the ent		Safet	y is <b>PARAMOUNT</b>	Total number steps candid must complete to pass <b>do</b>		4

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skil	Sheet HMO-10C Primary Task: Doffing Structural Firefighter Clothing in a l	<del>l</del> azard	ous
	Candi	date #	
The	ability to doff personal protective clothing - NFPA Standard 1072, 2013 Edition 6.2.1B(2)		
	candidate, given a complete set of structural firefighter clothing, will don, work in, and doff structing, according to manufacturer's recommendations.	ural firef	ighter
		1st	2nd
1.	*Minimizes cross contamination with PPE		
2.	Removes helmet		
3.	*Removes SCBA, maintains respiratory protection		
4.	Removes outer gloves		
5.	Removes turnout coat		
6.	Removes pants and boots		
7.	Removes face piece with air on or off		
8.	Removes inner gloves		
* Cr	itical Step Failure of this step mandates failure on the entire objective Safety is <b>PARAMOUNT</b> Total number tasks can must complete to pass	didate	6

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



### **Hazardous Materials/WMD**

# **Operations Level**

Performance Evaluation Sheet

Skill I	No. HMO-11 Primary Task: Mass Decontamination						
		Candidate No.					
The o	ability to perform mass decontamination – NFPA 1072, 2017 Edition, 6.3.1B(1)(2 candidate, given a scenario involving hazardous materials/WMD, PPE, appropriate the supervision of a hazardous materials technician, shall demonstrate the abilibratamination	ate equipment, and oper	ating				
Note	to candidate: Skill will end when you state or indicate that you have completed the identity	tified steps. 1st	2nd				
1.	*Reports to and is supervised by a hazardous materials technician						
2.	*Selects appropriate protective clothing						
3. *Evaluates effectiveness of decontamination procedures							
4.	*Reports and documents mass decontamination activities						
	AMBULATORY VICTIM						
1.	Stays clear of product (effort is made to contain runoff)						
2.	Sets up appropriate type of mass decontamination system based on equipmen	nt available					
3.	Instructs victims to remove clothing and walk through decontamination corridor	r					
4.	Flushes victims with water						
5.	Directs victims to triage area						
	NONAMBULATORY VICTIM						
1.	Removes victim's clothing (does not leave clothing underneath victim)						
2.	Flushes contaminated victim with water						
3.	Moves victim to designated triage area						
* Crit	failure on the entire objective must co	umber steps candidate omplete to pass atory victim	7				
* Crit	tical Step Failure of this step mandates failure on the entire objective Safety is <b>Paramount</b> Total number of this step mandates	umber steps candidate omplete to pass nbulatory victim	5				

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet	HMO-12	Primary Task:	<b>Technical Decontaminatio</b>	n		
					Candi	date #	
	-	set up techn (3)(4)(5)	nical decontaminati	ion and implement operations – NF	PA 1072, 2017 Edition	,	
The c	candida rvision (	te, given an i of a hazardou	us materials techni	te PPC, decontamination equipmen cian, shall set up a technical decont nd nonambulatory victims			nent
			-	or indicate that you have completed th	e identified steps.	1st	2nd
1.	* Sele	cts appropria	te protective clothi	ng			
2.	* Esta	blishes decor	ntamination corrido	or in warm zone			
<ul> <li>Sets up large containment area (uses tarp or sheeting)</li> <li>Identifies number of stations in the decontamination corridor</li> <li>Identifies clean side and dirty side of containment area</li> <li>Marks off area with barrier tape or traffic cones (lighting for night operations)</li> <li>Identifies type of decontamination – wet or dry</li> <li>Sets tool drop station at start of decontamination line</li> <li>Sets up water supply or hydrant with proper hoses and equipment and locates supply close to decontamination corridor</li> <li>Sets up decontamination equipment (nozzles, wand, manifolds, etc.) to include separate hose for emergency decon</li> </ul>							
3.	Perfor	ms gross ded	contamination				
4.	Perfor	ms technical	decontamination v	wash station with appropriate equipr	ment		
5.	Perfor	ms technical	decontamination r	inse station with appropriate equipn	nent		
6.	Assist	s responder i	n removal of SCB	A			
7.	Assist	s responder i	n removal of PPC				
8.	Assist	s responder i	n removal of face p	piece			
9.	*Evalu	ates effective	eness of decontam	nination procedures			
10.	Direct	s responder t	o rehabilitation				
11.	*Repo	rts and docu	ments technical de	econtamination activities			
* Crit	ical Ste		of this step mandates on the entire objective	Safety is PARAMOUNT	Total number tasks can must complete to pass	didate	8

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill S	Sheet <b>HMO</b>	)-13 Primary Task:	Product Control - Absorpt	ion		
				Candi	date #	
The a	ability to demor	nstrate product control fund	ctions – NFPA 1072, 2017 Edition	n, 6.6.1B(2)	•	
			nt, supplies and a simulated haza duct control using absorption tech		nd worki	ng as
Note	to candidate: S	Skill will end when you state o	r indicate that you have completed th	e identified steps.	1st	2nd
1.	* Wears appr	ropriate protective clothing				
2.	* Maintains b	uddy system				
3.	* Minimizes ir	ntentional contact with spill	ed product			
4.						
5.	Deploys abso	orbent material in pools of I	iquid without splashing			
6.	Shovels conta	aminated absorbent mater	ial into overpack container			
7.	Seals and lab	bels overpack container				
8.	Places tools/e	equipment in tool drop area	a			
Ĭ						
* Criti		Failure of this step mandates failure on the entire objective	Safety is PARAMOUNT	Total number tasks can must complete to pass	didate	6

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet <b>HM</b>	O-14	Primary Tas	k:	Product Control - Adsorpt	ion			
						Candi	date #		
Dem	onstrate prod	duct con	trol functions –	NFP	A 1072, 2017 Edition, 6.6.1B(2)				
					nt, supplies and a simulated haza act control using adsorption techni		orking a	is a	
Note	to candidate	: Skill will	end when you st	ate o	r indicate that you have completed th	e identified steps.	1st	2nd	
1.	* Wears ap	propriat	e protective clo	hing					
2.	2. * Maintains buddy system								
* Minimizes intentional contact with spilled product									
Approaches spill from uphill/upwind side									
5.	Deploys ad	Isorbent	material in poo	ls of I	iquid without splashing				
6.	Shovels co	ntamina	ted adsorbent n	nateri	ial into overpack container				
7.	Seals and I	abels ov	erpack contain	er					
8.	Places tool	s/equipr	ment in tool drop	area	а				
* Crit	ical Step		of this step mandat on the entire objecti		Safety is <b>PARAMOUNT</b>	Total number tasks can must complete to pass	didate	6	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet <b>HN</b>	10-15	Primary <sup>-</sup>	Task:	Product Control - Dammin	ıg			
						Candi	date #		
Dem	onstrate pro	duct con	trol function	s – NFP	A 1072, 2017 Edition, 6.6.1B(2)				
					nt, supplies and a simulated haza am to separate a liquid hazardous				
Note	to candidate	: Skill will	end when ye	ou state o	r indicate that you have completed th	ne identified steps.	1st	2nd	
1.	* Wears ap	opropriate	e protective	clothing					
2.	* Maintains	s buddy s	system						
3.	* Minimizes intentional contact with spilled product								
4.	Approache	es spill fro	om uphill/up	wind side	Э				
5.	Assesses	terrain fo	r best locat	ion of dar	m				
6.	Uses appr	opriate m	nethod (und	erflow/ov	verflow) based on specific gravity	of product			
7.	Ensures da	am adeq	uately holds	s product	back				
8.	Places too	ls/equipr	nent in tool	drop area	a				
* Crit	ical Step		of this step ma		Safety is <b>PARAMOUNT</b>	Total number tasks can must complete to pass	didate	6	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet <b>HN</b>	IO-16	Primary	Task:	Product (	Control - D	iking			
								Cand	didate #	
Dem	onstrate pro	duct con	trol functio	ns – NFP	A 1072, 20	17 Edition, 6.6	6.1B(2)			
								ardous materials spill, Irdous material	working a	ıs a
Note	to candidate	: Skill will	end when y	ou state o	r indicate tha	at you have cor	mpleted th	ne identified steps.	1st	2nd
1.	* Wears ap	propriat	e protective	e clothing						
2.	* Maintains	s buddy s	system							
3.	* Minimize	s intentic	nal contac	t with spil	led product					
4.	Approache	s spill fro	om uphill/u	pwind side	е					
5.	Assesses	errain fo	r best loca	tion of dik	е					
6.	Constructs	dike of a	adequate s	ize to con	nfine or dive	rt the entire s	pill			
7.	Ensures di	ke adeqı	uately hold	s or diver	ts product					
8.	Places too	ls/equipr	nent in too	I drop are	a					
* Crit	ical Step		of this step m		Safety i	s PARAMO	UNT	Total number tasks ca		6

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet	HMO-17	Primary Task:	<b>Product Control - Dilution</b>					
					Candid	date #			
Dem	onstrate	product con	trol functions – NFI	PA 1072, 2017 Edition, 6.6.1B(2)					
			uired tools, equipm	ent, supplies and a simulated haza ous material	irdous materials spill, w	orking a	ıs a		
Note	to candi	idate: Skill will	end when you state	or indicate that you have completed th	ne identified steps.	1st	2nd		
1.	* Wea	rs appropriate	e protective clothin	g					
2.	2. * Maintains buddy system								
* Minimizes intentional contact with spilled product									
Approaches spill from uphill/upwind side									
5.	Deterr	nines viability	of dilution operation	on					
6.	Ensure	es water used	d will not overflow a	and impact other product control ac	ctivities				
7.	Adds s	small amount	s of water from a d	istance to dilute the product					
* Crit	ical Ste	i alluic	of this step mandates on the entire objective	Safety is PARAMOUNT	Total number tasks can must complete to pass	didate	5		

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet <b>Hi</b>	MO-18	Primary 1	Гask:	Product Control - Diversion	n		
						Candi	date #	
Dem	onstrate pro	oduct con	trol function	s – NFP	A 1072, 2017 Edition, 6.6.1B(2)			
team appro	The candidate, given required tools, equipment, supplies and a simulated hazardous materials spill, working as a team, shall demonstrate diversion of a liquid hazardous materials spill by redirecting the flow of the product to an appropriate retention area							
Note	Note to candidate: Skill will end when you state or indicate that you have completed the identified steps.					1st	2nd	
1.	* Wears a	ppropriat	e protective	clothing				
2.	* Maintair	s buddy	system					
3.	* Minimize	es intentio	onal contact	with spill	ed product			
4. Approaches spill from uphill/upwind side								
5.	Assesses	terrain a	nd selects o	r creates	a retention area to hold spill			
6.	Starts div	ersion dis	tant to the s	pill and v	vorks toward the spill			
7.	Adequate	ly redirec	ts flow of pro	oduct				
8.	Places to	ols/equipi	ment in tool	drop area	a			
* Crit	ical Step		of this step ma		Safety is <b>PARAMOUNT</b>	Total number tasks can must complete to pass	didate	6

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet	HMO-19	Primary Task:	Product Control - Retention			
					Candi	date #	
Dem	onstrate	e product con	trol functions – NFI	PA 1072, 2017 Edition, 6.6.1B(2)			
team	The candidate, given required tools, equipment, supplies and a simulated hazardous materials spill, working as a team, shall demonstrate use of a retention area for a liquid hazardous materials spill by using natural depressions, a ditch or by digging a hole to adequately confine the product						
Note to candidate: Skill will end when you state or indicate that you have completed the identified steps.							2nd
1.	* Wea	ırs appropriat	e protective clothin	g			
2.	* Mair	ntains buddy s	system				
3.	3. * Minimizes intentional contact with spilled product						
4.	Appro	aches spill fro	om uphill/upwind si	de			
5.	Asses	ses terrain fo	r best location of re	etention area			
6.	Const	ructs retentio	n area and associa	ate structures distant to the spill			
7.	Place	s tools/equipr	nent in tool drop ar	rea			
* Crit	ical Ste	· randic	of this step mandates on the entire objective		ber tasks can plete to pass	didate	5

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	kill Sheet HMO-20 Primary Task: Product Control – Vapor Dispersion							
					Candi	date #		
Dem	onstrate	product cont	trol functions – NFF	PA 1072, 2017 Edition, 6.6.1B(1)(3	)			
	The candidate, given required tools, equipment, supplies and a simulated hazardous materials spill, working as a team, shall demonstrate use of a water spray to reduce or divert the vapor cloud							
Note	Note to candidate: Skill will end when you state or indicate that you have completed the identified steps. 1st 2nd						2nd	
1.	* Wear	s appropriate	e protective clothing	9				
2.	2. * Maintains buddy system							
3.	* Minimizes intentional contact with spilled product							
4. Approaches container from uphill/upwind side								
5.	Directs	water spray	at vapor cloud					
6.	* Ensur	res that wate	er is not directed int	o container				
7.	Ensure	s that appro	priate defensive tad	ctics are employed to control runof	f			
8.	Places	tools/equipn	nent in tool drop are	ea				
* Crit	ical Step	i allule	of this step mandates on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks can must complete to pass	didate	6	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	kill Sheet HMO-21 Primary Task: Product Control – Vapor Suppression						
					Candidate	#	
Dem	onstrat	e product con	trol functions – NF	PA 1072, 2017 Edition, 6.6.1B(1)(2)			
team	The candidate, given required tools, equipment, supplies and a simulated hazardous materials spill, working as a eam, shall demonstrate the application of special purpose or hazard suppressing foam. The candidate will properly apply and maintain a foam blanket using roll-on, rain-down, and/or bank-off methods to safely suppress the vapors						
				or indicate that you have completed the identified st		•	
1.		nonstrates app rials/WMD	plication of foam(s)	or agent(s) on a spill or fire involving hazardou	s		
2.	* Identifies characteristics and applicability of Class B foams						
	•	Aqueous fil	lm-forming foam (A	FFF)			
	•	Alcohol-res Fluoroprote	sistant concentrate: ein	5			
	•	High-expar	nsion foam				
3.	* Impl	ements plann	ned response				
4.	* Wea	ars appropriat	e protective clothin	g			
5.	* Mair	ntains buddy s	system				
6.	* Mini	mizes intentic	onal contact with sp	illed product			
7.	Appro	aches contai	ner from uphill/upw	ind side			
8.	Uses	appropriate a	pplication techniqu	e for foam/agent/fuel type			
9.	Ensu	es appropriat	e defensive tactics	are employed to control runoff			
10.	Place	s tools/equipr	ment in tool drop ar	ea			
* Crit	ical Ste		of this step mandates on the entire objective	Safety is <b>PARAMOUNT</b> Total number must complete	er tasks candidate ete to pass	7	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet	HMO-22	Primary Task:	Product Control – Remote	Control Shutoff		
					Candi	date #	
Demo	Demonstrate product control functions – NFPA 1072, 2017 Edition, 6.6.1B(1)(4)						
	The candidate, given required tools, equipment, supplies and a simulated hazardous materials spill, working as a team, shall demonstrate use of a remote shutoff to contain a hazardous material in a fixed facility or highway tank trailer						
Note to candidate: Skill will end when you state or indicate that you have completed the identified steps.						1st	2nd
1.	* Wea	ırs appropriat	e protective clothin	g			
2.	* Mair	ntains buddy s	system				
3.	* Mini	mizes intentic	onal contact with sp	illed product			
4. Approaches spill from uphill/upwind side							
5.	Activa	ites remote sh	nutoff to contain pro	oduct			
6.	Uses	appropriate m	nethod to confine re	eleased product			
7.	Place	s tools/equipr	ment in tool drop are	ea			
* Crit	ical Ste	· I alluic	of this step mandates on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks can must complete to pass	didate	5

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Skill Sheet HMO-23 Primary Task: Air Monitoring and Sampling						
	Candidate #						
			pling–NFPA 1072, 2017 Edition, 6	. ,			
	The candidate, given air monitoring and sampling equipment, will select the suitable detection or monitoring						
	equipment, describe operation, capabilities and limitations, and demonstrate field test and operation of device and interpret readings.						
			or indicate that you have completed th	ne identified steps.	1st	2nd	
1.	Identifies si	uitable meter					
٠.	idontinos se						
2.	* Describes	use of meter and what the	meter is capable of monitoring				
3.	* Domonetr	ates field test and start of th	o unit				
٥.	Demonsu	ates held test and start of th	ie unit				
4.	Demonstra	tes proper metering at vario	us elevations				
5.	Demonstra	tes shutdown method for the	e meter				
6.	Performs p	roper procedures for docum	entation of readings				
7.	Documents	activity log					
	Documento	douvity log					
8.	Cleans and	decontaminates according	to manufacturers recommendation	ons and AHJ policies			
* Crit	ical Step	Failure of this step mandates failure on the entire objective	Safety is PARAMOUNT	Total number tasks can must complete to pass	didate	6	

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Ski	ll Sheet No.	HMO-24	Primary Task:	Interpret I	Meter Readings		
Ob	jective(s): 6	5.7.1B(3)	NFPA Standard	NFPA Standard 1072		te No.	
			2017 Edition				
Та	sk						
						1st	2nd
1		ropriate protective clothin er's recommendations	g in a manner consi	stent with trainir	ng and		
2	Determines	if explosive atmosphere e	exists				
3	Determines	if SCBA use is needed ba	ased on CO levels				
4	Determines	if in Oxygen deficient/enr	iched atmosphere				
5	Determines	whether Hydrogen Sulfid	e and/or Hydrogen (	Cyanide level is	within safe limits		
6	Communica	tes results of metering to	IC				
* C	ritical Step	Failure of this step mandates failure on the entire objective		AMOUNT	Total number tasks can must complete to pass	didate	5

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# State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL

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# **Operations Level**

Performance Evaluation Sheet



#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Ski	ll Sheet No.	HMO-25	Pr	imary Task:	Interpreti	ng Ph Paper		
Ob	jective(s): 6	5.7.1B(1)(3)		NFPA Standard	1072	Candida	ate No.	
				2017 Edition				
Ta	sk							
							1st	2nd
1	*Wears prop	er PPE correctly						
2	Ensures pro	per detection, mor	itoring, or	sampling method				
3	Inspects Ph	paper to determine	e if used or	expired				
4	Properly san	nples product to be	e tested					
5	Compares re	esults to color scal	е					
6	Reports resu	ults in accordance	with AHJ p	olicies and proce	dures			
7	Disposes of	Ph paper in accord	dance with	AHJ policies and	procedures			
							1	
* C	ritical Step	Failure of this step m		Safety is PARA	AMOUNT	Total number tasks car must complete to pass		5

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# State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL

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# **Operations Level**

Performance Evaluation Sheet



#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# Hazardous Materials/WMD Awareness and Operations Level

Skill	Skill Sheet No. <b>HMO-26</b>		Primary Task:	Victim Tri	age		
Obje	ective(s): 6.	8.1B(1-3)	NFPA Standard: 2017 Edition	NFPA Standard: 1072 2017 Edition		Candidate	
		F	Performance Evalua	tion Sheet		·	
Task	<b>&lt;:</b>					1st	2nd
1.	* Determin	es viability of victims					
2.	Considers	rescue versus recover	y options				
3.	Prioritizes,	tags, and records victi	ms				
4.	Determines	s best method to rescu	e/retrieve victim				
5.	Documents	s activity log					
* Crit	ical Step	Failure of this step mandate failure on the entire objection		MOUNT	Total number tasks candid must complete to pass	ate	4

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#### **COMMISSION ON FIRE PREVENTION AND CONTROL**



# **Operations Level**

Performance Evaluation Sheet

Skill	Sheet	HMO-27	Primary Task:	Victim Rescue and Recovery		
				Candi	date #	
	ability to on, 6.6.		im rescue and reco	overy at hazardous materials/WMD incidents – NFPA 1072	2, 2017	
team	The candidate, given a hazardous materials/WMD incident, PPE, specialized rescue equipment, and working as a eam, will describe safety procedures, determine feasibility for conducting rescue/recovery, and demonstrate a ictim rescue/recovery.					
Note	to cand	lidate: Skill will	end when you state	or indicate that you have completed the identified steps.	1st	2nd
1.	Deter	mines feasibil	ity of conducting re	escue and recovery operations		
2.	*Desc		rocedures, guidelir	nes and response considerations for each of the		
	•	Line-of-sight Non-line-of Non-line-of	nt ambulatory victir nt nonambulatory v -sight ambulatory v -sight nonambulato ue versus victim re	victims victims ory victims		
3.	Deter	mines if option	ns are within the ca	apabilities of available resources		
4.	Selec	ts appropriate	PPE			
5.	Identi	fies team posi	itions			
6.	*Selec	cts and demo	nstrates the use of	specialized rescue equipment		
7.	Demo	onstrates effec	ctive methods for vi	ictim rescue and recovery		
8.	Demo	onstrates the a	ability to triage victi	ms		
9.	9. Completes required documentation and reports					
* Criti	ical Ste		of this step mandates on the entire objective	Safety is <b>PARAMOUNT</b> Total number tasks can must complete to pass	didate	7

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