Colorado Division of Fire Prevention & Control
Hazardous Materials Technician JPRs
(NFPA 472, 2013 Edition)

JPR #	Task	Initial Certification Requirement: 6 Mandatory 3 Random Renewal JPR Requirement: 100% of All JPRs *(Including all subsections)*
1a	Chlorine “A” Kit	Mandatory, with random selection of 1a, 1b, 1c, or 1d
1b	Chlorine “B” Kit	Mandatory, with random selection of 1a, 1b, 1c, or 1d
1c	Chlorine “C” Kit	Mandatory, with random selection of 1a, 1b, 1c, or 1d
1d	Drum Overpack	Mandatory, with random selection of 1a, 1b, 1c, or 1d
2a	Decon Set-up	Mandatory
2b	Technical Decon Support for Entry	Mandatory, with random selection of 2b, 2c, or 2d
2c	Technical Decon for Ambulatory/Non-Ambulatory	Mandatory, with random selection of 2b, 2c, or 2d
2d	Mass Decon	Mandatory, with random selection of 2b, 2c, or 2d
3a	Donning and Working In Level A	Mandatory
3b	Donning and Working In Level B	Required for recertification only
3c	Donning and Working In Level C	Required for recertification only

Colorado Division of Fire Safety
Hazardous Materials Technician JPRs
(NFPA 472, 2013 Edition)

JPR #	Task	Initial Certification Requirement: 6 Mandatory 3 Random Renewal JPR Requirement: 100% of All JPRs *(Including all subsections)*
4a	Sample Selection	Mandatory, with random selection of 4a, 4b, or 4c
4b	Product Classification	Mandatory, with random selection of 4a, 4b, or 4c
4c	Field Calibration	Mandatory, with random selection of 4a, 4b, or 4c
5	Record use, repair and testing of PPE and tools	Random
6	Develop Site Safety Plan	Random
7	Documentation	Random
8	Selecting PPE	Random
9a	Signs and Symptoms of Exposure	Random
9b	Dispersion Pattern Resources	Random
10	MC-306 Dome Clamp	Mandatory

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-1a

Candidate: _____

STANDARD: 7.4.3 (1) a-h, (2)a-c, 7.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall select the appropriate material or equipment and demonstrate a method(s) to contain leaks from the following locations: (a) fusible plug; (b) fusible plug threads; (c) side wall of cylinder; (d) valve blowout; (e) valve gland; (f) valve inlet threads; (g) valve seat; and (h) valve stem assembly blowout. – The candidate shall demonstrate the ability to perform the following: (a) close valves that are open; (b) replace missing plugs; and (c) tighten loose plugs.
PERFORMANCE OUTCOME:	The candidate shall correctly select materials and equipment and locate and contain leaks. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given Chlorine "A" kit, Level "A" PPE, and Pressurized 150 lb. Chlorine training cylinder, control leaks coming from orifices, opening, and valuing.	

No.	Task Steps	✓
1.	Approach the simulator safely	
2.	Locate all liquid and vapor leaks	
3.	Select appropriate control devices	
4.	Close (open , if needed)/tighten all open valves	
5.	valve gland	
6.	valve seat	
7.	valve inlet threads	
8.	Valve blow-out	
9.	Fusible plug	
10.	Fusible plug threads	
11.	Valve stem assembly blow-out	
12.	Tighten loose plugs	
13.	Side wall of cylinder	
14.	Replace missing plugs	
15.	Properly installed the hood, if necessary	
16.	Evaluate the effectiveness of the control functions identified in the plan of action	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-1b

Candidate: _____

STANDARD: 7.4.3 (1) a-h, (2)a-c, 7.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** Given a pressure vessel, select the appropriate material or equipment and demonstrate a method(s) to contain leaks from the following locations: (a) fusible plug; (b) fusible plug threads; (c) side wall of cylinder; (d) valve blowout; (e) valve gland; (f) valve inlet threads; (g) valve seat; and (h) valve stem assembly blowout. The candidate shall demonstrate the ability to perform the following: (a) close valves that are open.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team (two- or three-person teams), shall demonstrate methods to contain leaks on a pressurized one-ton chlorine bulk container using a Chlorine "B" Kit. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Chlorine "B" Kit, Level "A" PPE, and pressurized one-ton chlorine training cylinder. Control leaks coming from orifices, openings, and valving.	

No.	Task Steps	✓
1.	Approach the simulator safely	
2.	Locate all liquid and vapor leaks	
3.	Select appropriate control devices	
4.	Close (open , if needed)/tighten all open valves	
5.	valve gland	
6.	valve seat	
7.	valve inlet threads	
8.	Valve blow-out	
9.	Fusible plug threads	
10.	Valve stem assembly blow-out	
11.	Fusible plug	
12.	Side wall of cylinder	
13.	Properly installed the hood, if necessary	
14.	Evaluate the effectiveness of the control functions identified in the plan of action	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-1c

Candidate: _____

STANDARD: 7.4.3 (2)a-c, 7.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the ability to perform the following: (a) approach simulator in a safe manner; (b) open dome cover; (c) locate all leaks and vapor valves, fittings, etc.; (d) tighten loose nuts, plugs; and (e) replace missing plugs.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team (two- or three-person teams), shall demonstrate the ability to control liquid and vapor leaks on a pressurized railcar training dome properly. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Chlorine "C" Kit, Level "A" PPE, and pressurized railcar training dome. Controls leaks coming from orifices, openings, and valving.	

No.	Task Steps	✓
1.	Approach the simulator safely	
2.	Open dome cover safely	
3.	Locate all leaking liquid and vapor valves, fittings, etc.	
4.	Close (open, if needed)/tighten all open valves	
5.	Tighten loose valve packing nuts	
6.	Tighten loose plugs	
7.	Replace missing plugs	
8.	Properly install the hood , if necessary	
9.	Evaluate the effectiveness of the control functions identified in the plan of action.	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-1d

Candidate: _____

STANDARD: 7.4.3 (3) a-d, (4) a-c, 7.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the ability to contain the following types of leaks using appropriate tools and materials: (a) bung leak; (b) chime leak; (c) forklift puncture; and (d) nail puncture. The candidate shall demonstrate the ability to place the 55-gallon (208L) drum into the overpack drum using the following methods: (a) rolling slide-in; (b) slide-in; and (c) slipover.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team, shall demonstrate the ability to contain four common types of leaks associated with 55-gallon drums and be able to perform three methods of drum over-packing. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Four 55-gallon (208L) drums, bung wrench, plug and patch materials kit, three over-pack drums, Level "A" protective clothing, and SCBA.	

No.	Task Steps	✓
1.	Contain a 55-Gallon Drum Bung Leak	
	a) Tighten leaking bung to contain leak	
	b) Contained leaking drum by other means	
	c) Upright drum after controlling leak	
	d) Evaluate the effectiveness of the control functions identified in the plan of action.	
2.	Contain a 55-Gallon Drum Chime Leak	
	a) Contained leak by application of putty, lead wool, or other appropriate material	
	b) Turned drum over so the leaking chime is upright	
	c) Rolled drum over to a position that causes leaking product to cease	
	d) Evaluate the effectiveness of the control functions identified in the plan of action.	
3.	Contain a 55-Gallon Drum Nail Puncture Leak	
	a) Contained leak by inserting a plug or applying a patch	
	b) Turn or upright the drum to a position where product flow ceases	
	c) Evaluate the effectiveness of the control functions identified in the plan of action.	
4.	Contain a 55-Gallon Forklift Puncture Leak	
	a) Used appropriate tools and materials provided by authority having jurisdiction and contained the leak	
5.	Over-Pack Leaking 55-Gallon Drum	
	a) Slide-in	
	b) Rolling slide-in	
	c) Slip-over	

Evaluator **(Print & Sign)** _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-2a

Candidate: _____

STANDARD: 7.4.5 (1) (2) (3) **NFPA 472, 2013** **General Requirements**	**Task:** Demonstrate setup of the decontamination corridor as specified in the planned response.
PERFORMANCE OUTCOME:	As a member of a team, given a simulated hazardous material incident, establish a contamination reduction corridor according to local plans and standard operating procedures. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given decontamination equipment provided by the authority having jurisdiction and local plans and standard operating procedures provided by the authority having jurisdiction.	

No.	Task Steps	✓
1.	Establish a Contamination Reduction Corridor	
	a) Obtained local plan and standard operating procedures	
	b) Gathered needed equipment to establish the Contamination Reduction Corridor (CRC)	
	c) Provided a water source for decontamination	
2.	Minimum Requirements	
	a) Measures are taken to protect environment from contamination according to the plan	
	b) Pools or basins used to contain decontamination solution run-off	
	c) Entry and exit points clearly marked	
	d) Container available to contain contaminated tools, equipment, and clothing	
	e) Precautions taken to eliminate cross and secondary contamination	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-2b

Candidate: _____

STANDARD: 7.4.5 (1) (2) (3) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the decontamination process specified in the planned response and he will identify a source of technical information for selecting decontamination procedures and identify how to contact those sources in an emergency.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team of no more than eight members and given a local decontamination plan and decontamination equipment, shall demonstrate how to perform technical decontamination operations in support of entry operations. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Water supply, decontamination supplies and equipment, local decontamination plan, and Hazardous Materials Response Plan.	

No.	Task Steps	✓
1.	Demonstrate the Decontamination Process	
	a) Obtain local decontamination plan	
	b) Perform decontamination according to local plan and requirements	
2.	The following decontamination steps must be accomplished in the order listed:	
	a) Enter decontamination area and drop-off tools	
	b) Perform gross decontamination to remove as much contamination as possible	
	c) Remove protective clothing	
	d) Remove SCBA	
	e) Remove personal clothing	
	f) Personal shower	
	g) Clothing replacement	
	h) Medical evaluation	
3.	Decontamination Workers	
	a) Performed decontamination on each other	
	b) Avoided cross-contamination	
	c) Ensured contamination tools and equipment were contained in drums	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-2c

Candidate: _____

STANDARD: 7.4.5 (2) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the decontamination process specified in the planned response and he will identify a source of technical information for selecting decontamination procedures and identify how to contact those sources in an emergency.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team of no more than eight members and given a local decontamination plan and decontamination equipment, shall demonstrate how to perform technical decontamination operations involving ambulatory and nonambulatory victims in the given plan. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS:	

No.	Task Steps	✓
1.	Demonstrate the Decontamination Process	
	a) Obtain local decontamination plan	
	b) Perform decontamination according to local plan and requirements	
	c.) Establish and utilize three technical sources for tactical Decontamination	
2.	The following decontamination steps must be accomplished in the order listed:	
	a) Direct ambulatory victims to enter decontamination area and drop belongings	
	b) Perform gross decontamination to remove as much contamination as possible	
	c) Remove clothing	
	d) Personal shower	
	e) Clothing replacement	
	f) Transfer for medical evaluation	
3.	The following decontamination steps must be accomplished in the order listed.	
	a) Ensure the area is properly prepared to accept contaminated nonambulatory patients.	
	b) Move nonambulatory victims through corridor	
	c) Transfer for medical evaluation	
4.	Decontamination Workers	
	a) Performed decontamination on each other	
	b) Avoided cross-contamination	
	c) Ensured contamination tools and equipment were contained in drums	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-2d

Candidate: _____

STANDARD: 7.4.5 (3) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the decontamination process specified in the planned response and he will identify a source of technical information for selecting decontamination procedures and identify how to contact those sources in an emergency.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team of no more than eight members and given a local decontamination plan and decontamination equipment, shall demonstrate how to perform mass decontamination operations involving ambulatory and nonambulatory victims in the given plan. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS:	

No.	Task Steps	✓
1.	Demonstrate the Decontamination Process	
	a) Obtain local decontamination plan	
	b) Perform decontamination according to local plan and requirements	
	c) Establish and utilize three technical sources for tactical Decontamination	
2.	The following decontamination steps must be accomplished in the order listed:	
	a) Direct ambulatory victims to enter decontamination area and drop belongings	
	b) Direct victims through master stream set to function through low water pressure (30 - 50 PSI) wide fog pattern deluge	
	c) Direct removal of personal clothing if deemed necessary	
	d) Clothing replacement	
	e) Transfer for medical evaluation	
3.	The following decontamination steps must be accomplished in the order listed.	
	a) Ensure the area is properly prepared to accept contaminated nonambulatory patients.	
	b) Move nonambulatory victims through master stream set to function through low water pressure (30 - 50 PSI) wide fog pattern deluge	
	c) Transfer for medical evaluation	
4.	Decontamination Workers	
	a) Performed decontamination on each other	
	b) Avoided cross-contamination	
	c) Ensured contamination tools and equipment were contained in drums	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-3a

Candidate: _____

STANDARD: 7.4.2 (3) (4) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate donning, working in, and doffing chemical-protective clothing in addition to any other specialized protective equipment provided by the authority having jurisdiction. The candidate will also demonstrate the ability to record the use, repair and testing of chemical-protective clothing according to the manufacturer's specifications and recommendations
PERFORMANCE OUTCOME:	The candidate shall demonstrate the ability to don, work in, and doff EPA Level A vapor-protective clothing. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: SCBA, EPA Level A vapor-protective clothing as specified in NFPA 1991	

No.	Task Steps	✓
1.	Inspect Vapor-Protective Clothing and SCBA	
	a) Inspect SCBA	
	b) Inspect suit for:	
	• Tears	
	• Holes	
	• Discoloration	
	• Seams/stitches	
	• Boot and glove attachments	
	• Suit integrity	
	• Other items as identified by the manufacturer	
2.	Don Vapor-Protective Clothing and SCBA	
	a) Adjust head piece or hat	
	b) While seated, place feet into suit and gather the suit around waist	
	c) Don Chemical boots	
	d) Don SCBA (assistance authorized), make connections, and breathe air, when applicable, on SCBA and suit type	
	e) Put on inner gloves, if required	
	f) Place arm into sleeve	
	g) Ensure zippers/closures are securely fastened	
3.	Work in Vapor-Protective Clothing and SCBA provided by the authority having jurisdiction	
4.	Doff Vapor-Protective Clothing and SCBA according to authority having jurisdiction	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-3b

Candidate: _____

STANDARD: 7.4.2 (3) (4) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate donning, working in, and doffing chemical-protective clothing in addition to any other specialized protective equipment provided by the authority having jurisdiction. The candidate will also demonstrate the ability to record the use, repair and testing of chemical-protective clothing according to the manufacturer's specifications and recommendations
PERFORMANCE OUTCOME:	The candidate shall demonstrate the ability to don, work in, and doff EPA Level B splash-protective clothing. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: SCBA, EPA Level B splash-protective clothing as specified in NFPA 1992	

No.	Task Steps	✓
1.	Inspect Splash-Protective Clothing and SCBA or SABA	
	a) Inspect SCBA or SABA	
	b) Inspect suit for:	
	• Tears	
	• Holes	
	• Discoloration	
	• Seams/stitches	
	• Boot and glove attachments (if present)	
	• Suit integrity	
	• Other items as identified by the manufacturer	
2.	Don Splash-Protective Clothing and SCBA or SABA	
	a) Adjust head piece or hat	
	b) While seated, place feet into suit and gather the suit around waist	
	c) Don Chemical boots	
	d) Put on inner gloves, if required	
	e) Place arm into sleeve	
	f) Ensure zippers/closures are securely fastened	
	g) Don SCBA or SABA (assistance authorized), make connections, and breathe air, when applicable, on SCBA or SABA and suit type	
3.	Work in Splash-Protective Clothing and SCBA or SABA provided by the authority having jurisdiction	
4.	Doff Splash-Protective Clothing and SCBA or SABA according to authority having jurisdiction	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-3c

Candidate: _____

STANDARD: 7.4.2 (3) (4) **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate donning, working in, and doffing chemical-protective clothing in addition to any other specialized protective equipment provided by the authority having jurisdiction. The candidate will also demonstrate the ability to record the use, repair and testing of chemical-protective clothing according to the manufacturer's specifications and recommendations
PERFORMANCE OUTCOME:	The candidate shall demonstrate the ability to don, work in, and doff EPA Level C splash-protective clothing. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: APR/PAPR, EPA Level C splash-protective clothing as specified in NFPA 1992	

No.	Task Steps	✓
1.	Candidate will verbalize at least 1 of the five requirements for using APR/PAPR (Proctor: Please circle identified requirements) 1. Type of substance 2. Concentration is continuously measured 3. Concentration is below IDLH 4. Oxygen content is at least 19.5% 5. Filter canister used is designed for contaminant	
2.	Inspect Splash-Protective Clothing and APR/PAPR	
	a) Inspect APR/PAPR	
	b) Inspect suit for:	
	• Tears	
	• Holes	
	• Discoloration	
	• Seams/stitches	
	• Boot and glove attachments (if present)	
	• Suit integrity	
	• Other items as identified by the manufacturer	
3.	Don Splash-Protective Clothing	
	a) Adjust head piece or hat	
	b) While seated, place feet into suit and gather the suit around waist	
	c) Don Chemical boots	
	d) Don APR/PAPR (assistance authorized), make connections, and breathe air, when applicable, on APR/PAPR and suit type	
	e) Put on inner gloves, if required	
	f) Place arm into sleeve	
	g) Ensure zippers/closures are securely fastened	

3.	Work in Splash-Protective Clothing and APR/PAPR provided by the authority having jurisdiction	
4.	Doff Splash-Protective Clothing and APR/PAPR according to authority having jurisdiction	

Evaluator **(Print & Sign)** **Date:**

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-4a

Candidate: _____

STANDARD: 7.2.1.5 (1)(2)(3), 7.3.5.5 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall identify the procedures, equipment, and safety precautions for collecting legal evidence at hazardous materials incidents. The candidate shall demonstrate a method for collecting a sample of a liquid, solid, and gas material.
PERFORMANCE OUTCOME:	The candidate shall properly handle, secure, and mark samples given. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: The candidate shall be given appropriate PPE and manufacturer's operating instructions for sampling equipment provided by the authority having jurisdiction.	

No.	Task Steps	✓
1.	Collection of Samples – Material 1 (Solid)	
	a) Proper PPE worn during collection process	
	b) Select and use appropriate equipment, and containers	
	c) Used proper technique	
2.	Collection of Samples – Material 2 (Liquid)	
	a) Proper PPE worn during collection process	
	b) Select and use appropriate equipment, and containers	
	c) Used proper technique	
3.	Collection of Samples – Material 3 (Gas)	
	a) Proper PPE worn during collection process	
	b) Select and use appropriate equipment, and containers	
	c) Used proper technique	
4.	Samples properly handled, secured, marked and documented on evidence collection form.	
5.	Maintain chain of custody while turning over evidence	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-4b

Candidate: _____

STANDARD: 7.2.1.3.5 (1-12) **NFPA 472, 2013** **General Requirements**	**Task:** Given three hazardous materials/WMD—one of which is a solid, one a liquid, and one a gas, and using the following monitoring equipment, test strips, and reagents, the candidate shall select the appropriate equipment and demonstrate the proper techniques to identify the hazards (corrosivity, flammability, oxidation potential, oxygen deficiency, radioactivity, toxicity, and pathogenicity): (1) carbon monoxide meter; (2) colorimetric tubes; (3) combustible gas indicator; (4) oxygen meter; (5) passive dosimeters (6) ph indicators and/or ph meters; (7) photo ionization and flame ionization detectors (8) radiation detection instruments; (9) reagents; (10) test strips, (11) WMD detectors (chemical and biological);and (12) Other equipment provided by the AHJ.
PERFORMANCE OUTCOME:	The candidate shall correctly classify and/or quantify the materials given. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given three materials (one solid, one liquid, one gas) the technician shall select from the above equipment and demonstrate the correct techniques to identify the hazards.	

No.	Task Steps	✓
1.	Material 1 (Solid)	
	a) Selected appropriate equipment	
	b) Used proper technique	
	c) Classified or identified by hazard	
2.	Material 2 (Liquid)	
	a) Selected appropriate equipment	
	b) Used proper technique	
	c) Classified or identified by hazard	
	d) Quantified (ph)	
3.	Material 3 (Gas)	
	a) Selected appropriate equipment	
	b) Used proper technique	
	c) Classified or identified by hazard	
	d) Quantified (concentration in air)	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-4c

Candidate: _____

STANDARD: 7.2.1.3.6 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the field maintenance and testing procedures for the monitoring equipment, test strips, and reagents provided by the authority having jurisdiction.
PERFORMANCE OUTCOME:	The candidate shall demonstrate proper field maintenance and/or testing procedures **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given manufacturer's operating instructions for equipment provided by the authority having jurisdiction.	

No.	Task Steps	✓
1.	Demonstrate proper field calibration and inspection procedures.	
	a) monitoring equipment	
	b) test strips	
	c) reagents	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-5

Candidate: _____

STANDARD: 7.4.3(5), 7.6.3(9), 7.3.3.4.8 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the ability to record the use, repair, and testing of chemical-protective clothing according to manufacturer's specifications and recommendations. Describe the maintenance testing, inspection, and storage procedures for PPE. Identify the maintenance and inspection procedures for the tools and equipment provided for the control of hazardous materials released according to the manufacturer's specifications and recommendations.
PERFORMANCE OUTCOME:	Properly record the use, repair and testing of chemical protective clothing. Describe the maintenance testing, inspection & storage of PPE. Correctly identify the maintenance and inspection procedures for the tools and equipment provided. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given Level A PPE, tools, equipment and local/emergency response plans or standard operating procedures provided by the Authority Having Jurisdiction.	

No.	Task Steps	✓
1.	Chemical Protective Clothing	
	Identify proper maintenance procedures for CPC provided according to manufacturer	
	Identify appropriate inspection and testing procedures according to manufacturer for CPC and equipment provided according to manufacturer's specifications and recommendation	
	a) Suit cleaned	
	b) Suit dried	
	c) Suit examined for punctures, tears, and worn areas	
	d) Suit tested to manufacturer specifications	
	e) Suit repaired as required	
	f) Suit inspection results recorded on applicable forms	
	g) Suit stored properly	
2.	Tools and Equipment	
	Identify proper maintenance procedures for tools/equipment provided according to manufacturer	
	Identify appropriate inspection procedures according to manufacturer for tools and equipment provided according to manufacturer's specifications and recommendation	
	a) Inventory all tools used at the scene	
	b) Inspect tools for damage	
	c) Cleaned and repaired tools, as required	
	d) Inventory tools being stored	
	e) Replace tools to original location	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-6

Candidate: _____

STANDARD: 7.6.3(2)(3) **NFPA 472, 2013** **General Requirements**	**Task:** Collect, interpret, and develop a plan of action to include safety considerations and points that should be made in a safety briefing.

PERFORMANCE OUTCOME:	The candidate shall be able to collect, interpret, develop and describe response information and site safety and control plan. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**

CONDITIONS: Given a simulated hazardous materials incident, local emergency response plan, standard operating procedures, computer data base, maps, diagrams, reference manuals, information centers, and technical specialists.

No.	Task Steps	✓
1.	Analysis of hazards on the site and a risk analysis of those hazards	
2.	Develop and describe site map or sketch	
3.	Develop and describe site work (control) zones	
4.	Describe use of buddy system	
5.	Describe site communications	
6.	Develop and describe command post	
7.	Follow standard operating procedures and safe work practices	
8.	Develop and describe medical assistance and triage	
9.	Develop and describe hazard monitoring plan	
10.	Develop and describe decontamination procedures	
11.	Correctly identify points for safety briefing	
12.	Describe the importance of personnel exposure records.	

Evaluator **(Print & Sign)** _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-7

Candidate: _____

STANDARD: 7.6.3(1-10) **NFPA 472, 2013** **General Requirements**	**Task:** Given a scenario involving a hazardous materials/WMD incident, the hazardous materials technician shall complete the reporting and documentation requirements consistent with the emergency response plan and standard operating procedures and shall meet the following requirements.
PERFORMANCE OUTCOME:	The candidate shall properly complete reports according to the local emergency response plan and the organization's standard operating procedures. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given the local emergency response plan, and standard operating procedures or written incident management system.	

No.	Task Steps	✓
1.	Identify the reports and supporting documentation required by the emergency response plan or standard operating procedures.	
2.	Demonstrate completion of the reports required by the emergency response plan or standard operating procedures.	
3.	Describe the importance of personnel exposure records.	
4.	Describe the importance of debriefing records.	
5.	Describe the importance of critique records.	
6.	Identify the steps in keeping an activity log and exposure records.	
7.	Identify the steps to be taken in compiling incident reports that meet federal, state, local, and organizational requirements.	
8.	Identify the requirements for compiling hot zone entry and exit logs.	
9.	Identify the requirements for compiling personal protective equipment logs.	
10.	Identify the requirements for filing documents and maintaining records.	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN
JPR: HZMT-TECH-8

Candidate: _____

STANDARD: 7.3.3.4.5, 7.3.3.4.6 **NFPA 472, 2013** **General Requirements**	**Task:** : Determine and select the appropriate personal protective equipment to be utilized for a given action using chemical compatibility charts or computer based information.
PERFORMANCE OUTCOME:	The candidate shall determine compatibility and break through time of materials given. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given three names of hazardous materials and chemical compatibility charts or computer based information.	

No.	Task Steps	✓
1.	Material 1	
	a) Compatible Yes ☐ No ☐	
	b) Breakthrough time	
2.	Material 2	
	a) Compatible Yes ☐ No ☐	
	b) Breakthrough time	
3.	Material 3	
	a) Compatible Yes ☐ No ☐	
	b) Breakthrough time	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-9a

Candidate: _____

STANDARD: 7.2.2.4 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall identify the signs and symptoms of exposure to each material and the target organ effects of exposure to that material.
PERFORMANCE OUTCOME:	The candidate shall correctly identify signs and symptoms of exposure **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given five hazardous material scenarios and appropriate reference materials.	

No.	Task Steps	✓
1.	Scenario 1	
	a) Identify signs and symptoms of exposure	
	b) Identify target organ effects	
2.	Scenario 2	
	a) Identify signs and symptoms of exposure	
	b) Identify target organ effects	
3.	Scenario 3	
	a) Identify signs and symptoms of exposure	
	b) Identify target organ effects	
4.	Scenario 4	
	a) Identify signs and symptoms of exposure	
	b) Identify target organ effects	
5.	Scenario 5	
	a) Identify signs and symptoms of exposure	
	b) Identify target organ effects	

Evaluator (Print & Sign) _____ **Date:** _____

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-9b

Candidate: _____

STANDARD: 7.2.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall identify available local resources designed to provide plume dispersion/concentration information.
PERFORMANCE OUTCOME:	The candidate shall correctly identify dispersion/concentration information available from various sources of assistance. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given the Authority Having Jurisdiction's emergency response plan, the hazardous materials technician shall identify resources for dispersion pattern prediction and modeling, including computers, monitoring equipment, or specialists in the field.	

No.	Task Steps	✓
1.	Candidate identifies:	
	a) written resources available with information	
	b) computer based resources available information	
	c) personnel resources available information	

_____ _____

Evaluator (Print & Sign) **Date:**

HAZARDOUS MATERIALS TECHNICIAN

JPR: HZMT-TECH-10

Candidate: _____

STANDARD: 7.4.3.(8)(9)(10)a,(11), 7.5.1 **NFPA 472, 2013** **General Requirements**	**Task:** The candidate shall demonstrate the ability to install a clamp on a dome of an MC-306/DOT 406 cargo tank and perform the following: (a) approach simulator in a safe manner; (b) identify precautions to be taken for fire control/ignition sources; (c) locate all leaks; (d) install dome clamp; and (e) evaluate effectiveness.
PERFORMANCE OUTCOME:	The candidate, working as a member of a team (two- or three-person teams), shall demonstrate the ability to control liquid leaks on a MC-306/DOT406 training dome properly. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
CONDITIONS: Given bunker gear and SCBA, dome clamp, and a MC-306/DOT 406 training simulator.	

No.	Task Steps	✓
1.	Identify tank capacity by using markings or other resources	
2.	Identify precautions for fire control	
3.	Approach the simulator safely	
4.	Eliminate ignition sources	
5.	Locate leaking dome	
6.	Candidate secures dome and properly installs dome clamp	
7.	Describe methods and precautions if tanker is involved in fire	
8.	Evaluate the effectiveness of control functions.	

Evaluator (Print & Sign) _____ **Date:** _____