

**Colorado Division of Fire Safety
Hazardous Materials Awareness JPRs (NFPA 472, 2008 Edition)**

JPR #	Task	Initial Certification JPR Requirement: No JPRs at this time. Renewal JPR Requirement: 100% of All JPRs <i>(including all subsections)</i>
1	Hazard Classes and Divisions	Mandatory
2	ERG Exercise	Mandatory
3	Written Documentation	Random
4	NFPA 704	Random
5	Criminal/Terrorism/WMD	Random



HAZARDOUS MATERIALS AWARENESS

NFPA 472, 2008 Edition

4.2 Competencies – Analyzing the Incident

JPR#1

4.2.1 Detecting the Presence of Hazardous Materials

Revised 4/29/09

Standard Area: Competencies – Analyzing the Incident

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.2.1(2) NFPA 472, 2008 Edition		TASK: Given a listing of the US DOT Hazard Classes and Divisions numbers, fill in the appropriate Hazard Class and Division names.			
PERFORMANCE OUTCOME: The candidate will complete this task within 15 minutes with a minimum of 20 out of the 25 items answered correctly. Provide the written answer in the space next to the task step. <u>(DO NOT USE THE ERG ON THIS JPR)</u>					
CONDITIONS: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.					
EQUIPMENT REQUIRED: None.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Hazard Class 1				
2.	1.1				
3.	1.2				
4.	1.3				
5.	1.4				
6.	1.5				
7.	1.6				
8.	Hazard Class 2				
9.	2.1				
10.	2.2				
11.	2.3				
12.	Hazard Class 3				
13.	Hazard Class 4				
14.	4.1				
15.	4.2				
16.	4.3				

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17.	Hazard Class 5				
18.	5.1				
19.	5.2				
20.	Hazard Class 6				
21.	6.1				
22.	6.2				
23.	Hazard Class 7				
24.	Hazard Class 8				
25.	Hazard Class 9				

Proctor/Evaluator Comments: _____

_____	_____	_____	_____
Proctor/Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor/Evaluator (Print & Sign)	Date	Re-Test Candidate	Date



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4.4 Competencies – Implementing the Planned Response

JPR#2

4.4.1 Initiating Protective Actions

Revised 4/29/09

Standard Area: Competencies – Implementing the Planned Response

Candidate: _____ Date: _____

ID#: _____

Standard 4.4.1 and 4.4.1(6)		Task: Given a UN Number or a chemical name, a placard, and a cargo tank, provide the appropriate information requested.			
Performance Outcome: The candidate will complete these tasks within 45 minutes with a minimum of 23 out of the 29 items answered correctly. Provide the written answer(s) in the space next to the task step. <u>(MUST PROVIDE CANDIDATE ERG ON THIS JPR)</u>					
Conditions: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.					
Equipment Required: Candidate must be provided a copy of the current Department of Transportation Emergency Response Guidebook (ERG).					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Chemical Name of UN 1005:				
2.	Small Spill Initial Isolation Distance UN 1005:				
3.	Large Spill Initial Isolation Distance UN 1005:				
4.	Protective Action Distance (Night) UN 1005:				
5.	Guide Number UN 1005:				
6.	UN Number Carbon Monoxide:				
7.	Small Spill Initial Isolation Distance Carbon Monoxide:				
8.	Large Spill Initial Isolation Distance Carbon Monoxide:				
9.	Protective Action Distance (Day) Carbon Monoxide:				

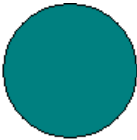

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10.	Guide Number Carbon Monoxide:				
11.	Guide Number for Hazard Class 7:				
12.	Evacuation Distance for Fire involving Hazard Class 7:				
13.	Entries highlighted in Green (in the Yellow and Blue pages) refer to:				
14.	For UN Number 2055, what does the letter "P" signify next to the Guide Number?:				
15.	If water is added to UN Number 2978, which TIH Gas is produced:				
16.	What is the telephone number for CHEMTREC®?:				
17.	What is the telephone number for the Nationwide Poison Control Center?:				
18.	For a DOT406 Non-Pressure Liquid Tank, which Guide would you use?:				
19.	What type of protective clothing shall be worn for Sulfuric Acid?:				
20.	Describe the potential hazards associated with a fire or explosion involving Sulfur:				
21.	Describe the potential hazards related to health involving Sulfur:				
22.	Describe the emergency response actions for a large fire involving Sulfur:				
23.	Describe the emergency response actions for a spill or leak involving Sulfur:				
24.	Describe the emergency response actions for first aid involving a Sulfur spill or leak:				
25.	Is a spill of 49 gallons/185 liters considered a large or a small spill?: Circle one: Large Spill / Small Spill				

26.	Define: Isolating the Hazard Area and Denial of Entry:				
27.	The process of leaving or being removed from potentially hazardous location is called _____.				
28.	Having occupants remain in a structure or vehicle in order to provide protection from a rapidly approaching hazard is defined as _____.				
29.	<p>Which of the following shapes identify the initial isolation zone and protective action zone (as shown in the Emergency Response Guidebook):</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A _____</p> </div> <div style="text-align: center;">  <p>B. _____</p> </div> </div>				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



HAZARDOUS MATERIALS AWARENESS

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4.2 Competencies – Analyzing the Incident

4.2.1 Detecting the Presence of Hazardous Materials

Standard Area: Competencies – Analyzing the Incident

JPR#3
Revised 4/29/09

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.2.1(10) NFPA 472, 2008 Edition		TASK: Given an example of a mode of transportation, provide the type of shipping paper, location of shipping paper and the responsible person.			
Performance Outcome: The candidate will complete this task within 15 minutes with a minimum of 10 out of the 14 items answered correctly. Provide the written answer in the space below the task step. <u>(DO NOT USE THE ERG ON THIS JPR)</u>					
Conditions: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.					
EQUIPMENT REQUIRED: None.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Name of Highway Shipping Paper:				
2.	Location of Highway Shipping Paper:				
3.	Highway Responsible Person:				
4.	Name of Rail Shipping Paper:				
5.	Location of Rail Shipping Paper:				
6.	Rail Responsible Person:				
7.	Name of Water Shipping Paper:				
8.	Location of Water Shipping Paper:				
9.	Water Responsible Person:				
10.	Name of Air Shipping Paper:				
11.	Location of Air Shipping Paper:				
12.	Air Responsible Person:				

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13.	Identify where to find a MSDS.				
14.	Identify two major sections of a MSDS: a. _____ b. _____				

Proctor/Evaluator Comments: _____

_____ Proctor/Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Proctor/Evaluator (Print & Sign)	_____ Date	_____ Re-Test Candidate	_____ Date



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4.2 Competencies – Analyzing the Incident

JPR#4

4.2.1 Detecting the Presence of Hazardous Materials

Revised 4/29/09

Standard Area: Competencies – Analyzing the Incident

Candidate: _____ Date: _____

ID#: _____

STANDARD: Standard 4.2.1 (8) NFPA 472, 2008 Edition	TASK: Given an example of the NFPA 704, <i>Standard System for the Identification for the Identification of the Hazardous Materials for Emergency Response</i> , describe the significance of the colors, numbers and special symbols.				
PERFORMANCE OUTCOME: The candidate will complete this task within 15 minutes with a minimum of 8 out of the 11 items answered correctly. Describe the significance of the components of the NFPA 704 system detailed below and provide a written answer in the space below the task step. (DO NOT USE THE ERG ON THIS JPR)					
CONDITIONS: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.					
EQUIPMENT REQUIRED: None.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Blue Quadrant:				
2.	Red Quadrant:				
3.	Yellow Quadrant:				
4.	White Quadrant:				
5.	Severe Hazard Numeral:				
6.	Serious Hazard Numeral:				
7.	Moderate Hazard Numeral:				
8.	Slight Hazard Numeral:				
9.	Minimal Hazard Numeral:				
10.	Avoid Use of Water Symbol:				
11.	Oxidizer Symbol:				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Proctor/Evaluator (Print & Sign)	Date	Re-Test Candidate	Date



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4.4 Competencies – Implementing the Planned Response

JPR#5

4.4.1 Initiating Protective Actions

Revised 4/29/09

Standard Area: Competencies – Implementing the Planned Response

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.4.1(3)(b), (d) and 4.4.1(12) NFPA 472, 2008 Edition		TASK: Identify the general routes of human exposure and identify at least four specific actions necessary when an incident is suspected to involve criminal or terrorist activity.			
PERFORMANCE OUTCOME: The candidate must complete these tasks within 10 minutes. Provide the written answer(s) in the space(s) next to the task step.					
CONDITIONS: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.					
EQUIPMENT REQUIRED: None.					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	List the four general routes of entry for human exposure: a. _____ b. _____ c. _____ d. _____				
2.	Which Federal Agency would be in charge if a suspected criminal act of terrorism occurs?:				
3.	Identify at least four actions necessary when an incident is suspected to involve a criminal or terrorist activity: a. _____ b. _____ c. _____ d. _____				

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4.	Identify and circle the following devices that can create a typical ignition source that can be found at the scene of hazardous materials/WMD incident: Cellular Phone Radio Cigarette Lighter				
5.	Give two locations of where hazardous materials/WMD might be manufactured, transported, stored, used or disposed of: a. _____ b. _____				

Proctor/Evaluator Comments: _____

_____	_____	_____	_____
Proctor/Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor/Evaluator (Print & Sign)	Date	Re-Test Candidate	Date