

FIRST RESPONDER AWARENESS LEVEL

Comparison of HazMat Compliance/Essentials Awareness CD-ROM Series to Standard for Professional Competence of Responders to Hazardous Materials Incidents (NFPA 472)

Objective	Competency Summary	Obj. Met	Module		Topic	
2-1.3	Goal Understand role of Awareness Level responder	Y	1	General Principles	2	Overview/General Principles
2-2	Competencies – Analyzing the Incident	Y	2 3	Analyzing the Incident, Pt. 1 Analyzing the Incident, Pt. 2	All All	
2-2.1	Detecting the Presence of HM	Y	2	Analyzing the Incident, Pt. 1	All	
2-2.1.1	Define hazardous materials or dangerous goods	Y	2	Analyzing the Incident, Pt. 1	2	Definitions
2-2.1.2	Identify DOT hazard classes and divisions and give common examples	Y	2	Analyzing the Incident, Pt. 1	3	Hazard Classes and Divisions
2-2.1.3	Identify primary hazards of each DOT class and division	Y	2	Analyzing the Incident, Pt. 1	3	Hazard Classes and Divisions
2-2.1.4	Identify difference between HM incidents and other emergencies	Y	2	Analyzing the Incident, Pt. 1	2	Definitions
2-2.1.5	Identify typical occupancies and locations where HM are manufactured, transported, stored, used, or disposed of	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.6	Identify typical HM container shapes	Y	2	Analyzing the Incident, Pt. 1	4	Container Shapes/Markings
2-2.1.7	Identify facility and transportation markings and colors that indicate HM	Y	2	Analyzing the Incident, Pt. 1	4 5 6	Container Shapes/Markings Shipping Papers Facilities
2-2.1.7(a)	UN/NA identification numbers	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.7(b)	NFPA 704 markings	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.7(c)	Military hazardous materials markings	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.7(e)	Pipeline markings	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.7(f)	Container markings	Y	2	Analyzing the Incident, Pt. 1	4	Container Shapes/Markings
2-2.1.8	Describe significance of colors, numbers, and special symbols in NFPA 704 marking	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.9	Identify US and Canadian placards and labels that indicate HM	Y	2	Analyzing the Incident, Pt. 1	3	Hazard Classes and Divisions
2-2.1.10	Identify basic information on MSDS and shipping papers that indicate HM	Y	2	Analyzing the Incident, Pt. 1	5 6	Shipping Papers Facilities
2-2.1.10.1	Identify where to find MSDS	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.10.2	Identify entries on MSDS that indicate presence of HM	Y	2	Analyzing the Incident, Pt. 1	6	Facilities
2-2.1.10.3	Identify entries on shipping papers that indicate presence of HM	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.10.4	Match name of shipping papers found in transportation (air, highway, rail, water) with transportation mode	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.10.5	Identify person responsible for having shipping papers in each mode of transportation	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.10.6	Identify where shipping papers are found in each mode of transportation	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.10.7	Identify where papers can be found in an emergency in each mode of transportation	Y	2	Analyzing the Incident, Pt. 1	5	Shipping Papers
2-2.1.11	Identify examples of clues that use senses of sight, sound, and odor to indicate HM	Y	2	Analyzing the Incident, Pt. 1	7	Other Detection Methods

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2-2.1.12	Describe limitations of using senses in determining presence or absence of HM	Y	2	Analyzing the Incident, Pt. 1	7	Other Detection Methods
2-2.1.13	Identify types of locations that could become targets for criminal or terrorist activity using HM	Y	2	Analyzing the Incident, Pt. 1	7	Other Detection Methods
2-2.1.14	Identify at least 4 indicators of possible criminal or terrorist activity involving HM	Y	2	Analyzing the Incident, Pt. 1	7	Other Detection Methods
2-2.2	Surveying the HM Incident From a Safe Location	Y	3	Analyzing the Incident, Pt. 2	2	Surveying the Incident
2-2.2.1	Identify difficulties in determining specific names of HM in both facilities and transportation	Y	3	Analyzing the Incident, Pt. 2	2	Surveying the Incident
2-2.2.2	Identify sources for obtaining HM names, UN/NA numbers, or placards in transportation	Y	3	Analyzing the Incident, Pt. 2	2	Surveying the Incident
2-2.2.3	Identify sources for obtaining names of HM in facilities	Y	3	Analyzing the Incident, Pt. 2	2	Surveying the Incident
2-2.3	Collecting Hazard Information	Y	3	Analyzing the Incident, Pt. 2	3	Collecting Hazard Information
2-2.3.1	Identify 3 methods for determining the appropriate guide page for an HM	Y	3	Analyzing the Incident, Pt. 2	3	Collecting Hazard Information
2-2.3.1	Identify 2 types of hazards found on each guide page	Y	3	Analyzing the Incident, Pt. 2	3	Collecting Hazard Information
2-4	Competencies – Implementing the Planned Response	Y	5	Implementing the Planned Response	All	
2-4.1	Initiating Protective Actions	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.1	Identify location of LERP and SOPs	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.2	Identify role of Awareness Level responder during HM incident	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.3	Identify precautions to be taken to protect self and others at HM incident	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.3.1	Identify precautions necessary when providing medical care at HM incident	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.3.2	Identify typical ignition sources found at HM incidents	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process
2-4.1.3.3	Identify ways HM are harmful to people, environment, and property	Y	3	Analyzing the Incident, Pt. 2	3	Collecting Hazard Information
2-4.1.3.4	Identify general routes of entry for human exposure to HM	Y	3	Analyzing the Incident, Pt. 2	3	Collecting Hazard Information
2-4.1.4	Given identity of HM, identify response information	Y	5	Implementing the Planned Response	2	NA-ERG – The Guide Pages
2-4.1.4(a)	Emergency action (fire, spill, or leak and first aid)	Y	5	Implementing the Planned Response	2	NA-ERG – The Guide Pages
2-4.1.4(b)	PPE necessary	Y	5	Implementing the Planned Response	2	NA-ERG – The Guide Pages
2-4.1.4(c)	Initial isolation and protective action distances	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.1	Given the name of an HM, identify the recommended PPE	Y	5	Implementing the Planned Response	2	NA-ERG – The Guide Pages
2-4.1.4.2	Identify definitions for protective actions	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.2(a)	Isolation of the hazard area and denial of entry	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.2(b)	Evacuation	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.2(c)	Sheltering in place	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.3	Identify shapes of recommended initial isolation and protective action zones	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.4	Describe the difference between small and large spills using the Table of Initial Isolation and Protective Action Distances	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.5	Identify circumstances for using published distances	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.5(a)	Table of Initial Isolation and Protective Action Distances	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions

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2-4.1.4.5(b)	Isolation distances in numbered guides	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.4.6	Describe difference between isolation distances in orange-bordered pages and protective action distances in green-bordered pages	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.5	Identify techniques to isolate the hazard area and deny entry	Y	5	Implementing the Planned Response	3	NA-ERG – Isolation and Protective Actions
2-4.1.6	Identify specific actions necessary when an incident is suspected to involve criminal or terrorist activity	Y	5? 2?	Implementing the Planned Response Analyzing the Incident, Pt. 1	4? 7?	Initiating Protective Actions and the Notification Process Other Detection Methods
2-4.2	Initiating the Notification Process Identify appropriate initial notifications to be made and how to make them, regardless of the presence of criminal or terrorist activities, consistent with LERP and SOPs	Y	5	Implementing the Planned Response	4	Initiating Protective Actions and the Notification Process