NFPA 470: 2022 Edition, Chapter 13 Hazardous Materials/WMD Incident Commander

Below please find what has been previously approved by the Committee on Accreditation (COA) for this level of certification. This example does not take into consideration “Document Review”, “Portfolio”, or “Other testing methods.”

If your agency selects completing their online Assessment Methodology Matrix (AMM) utilizing these test methods, our Technical Analysts may place your application under a COA meeting consent agenda bypassing the usual COA review.

The spaces identified below with an “**X**” must be replaced with the appropriate cognitive test item numbers (e.g. Questions 1,4,6,7,9, etc.) or the score sheet numbers under Product, Psychomotor/Process methods as score sheet numbers (e.g.- SS 101, 202, and 304, etc.).

	Knowledge-Based Assessments (graded after submission)		**Performance-Based Assessments** (graded in real-time as they are performed)	
Section	**Cognitive** (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	**Product** (e.g., document or develop a budget, proposal, lesson plan)	**Psychomotor** (Primarily an observable physical task. e.g., don, doff)	**Process** (Primarily a mental or verbalized task. e.g., inspect)
13.2.1 Analyze a hazardous materials/WMD incident, given a hazardous material/WMD incident; incident information; policies and procedures; available resources; approved references; and access to a Hazardous Materials Technician, an allied professional, an emergency plan, or standard operating procedures, so that the hazards are assessed and risks are evaluated.				
13.2.1			**X**	
13.2.1(A) Requisite Knowledge. Advantages and limitations of hazardous materials databases, detection and monitoring equipment, reference manuals, technical information centers, and technical information specialists; methods available to obtain local weather conditions and predictions; and resources to predict behavior and estimate outcomes.				
13.2.1(A)	**X**			

13.2.1(B) Requisite Skills. Assessing hazards and evaluating risks; written and verbal communication.			
13.2.1(B)		X	X
13.3.1 Plan the response to a hazardous materials/WMD incident, given a hazardous materials/WMD incident, the results of the incident analysis, available resources, and access to a Hazardous Materials Technician, an allied professional, an emergency response plan, or standard operating procedures, so that the incident objectives, operational modes, strategies, and potential tactics are identified, level of personal protective equipment (PPE) is approved, decontamination process is approved, strategies and tactics are selected based on available resources, and an IAP, including the site safety and control plan, is developed.			
13.3.1		X	X
13.3.1(A) Requisite Knowledge. Incident objectives, operational modes (offensive, defensive, and nonintervention), potential strategies and tactics, purpose of hazardous materials control techniques, approving the level of PPE, steps for developing an IAP, including the site safety and control plan, factors to be evaluated in public protective actions, making tactical assignments, and safe operating practices and procedures.			
13.3.1(A)	X		
13.3.1(B) Requisite Skills. Approving the PPE and decontamination process for tactics, developing an IAP, including the site safety and control plan, and ability to use verbal and written communication.			
13.3.1(B)		X	X
13.4.1 Implement the planned response in a hazardous materials/WMD incident, given a hazardous materials/WMD incident and resources and equipment available, so that ICS is implemented, resources are directed, a focal point for information transfer is established, and actions are taken to meet the strategies of the IAP.			
13.4.1			X
13.4.1(A) Requisite Knowledge. Role of the command element, concept of unified command and its application and use, duties and responsibilities of hazardous materials branch/group functions, implementing ICS, directing resources, establishing a focal point for information transfer, and transfer of command.			
13.4.1(A)	X		
13.4.1(B) Requisite Skills. Implementing ICS, including unified command as necessary, assigning and directing resources, and establishing information transfer focal point.			

13.4.1(B)			X
13.5.1 Evaluate the progress and adjust the IAP as needed at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, results of the incident analysis, an incident action plan, actions taken, and changing incident conditions, so that actual behavior of material and container is compared to that predicted, effectiveness of strategies and tactics is determined, and modifications to the IAP are made as needed until the scene is determined to be stabilized and hazards are controlled.			
13.5.1		X	X
13.5.1(A) Requisite Knowledge. Factors to be considered in evaluating progress of the IAP that was implemented, including stability of release, resources available, life safety concerns, environmental impacts, procedures for evaluating whether the strategies and tactics are effective in accomplishing the incident objectives, steps for comparing actual behavior of the material and the container to that predicted, and procedures for making modifications to the IAP.			
13.5.1(A)	X		
13.5.1(B) Requisite Skills. Comparing predicted behavior of the material and its container to the actual behavior, determining effectiveness of tactics and actions, and modifying the IAP when needed.			
13.5.1(B)		X	X
13.6.1 Terminate response operations at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that has been determined to be stabilized with hazards controlled, operational observations, and approved forms for documentation and reporting, so that command is transferred, debriefings are held, post-incident analysis is completed, a critique is conducted, and overall incident response operations are reported and documented.			
13.6.1		X	X
13.6.1(A) Requisite Knowledge. Transition from safe and nonsafe; regulatory issues; elements and procedures for conducting a debriefing, a post-incident analysis, and a critique; and requirements for reporting and documenting overall incident response operations.			
13.6.1(A)	X		
13.6.1(B) Requisite Skills. Transferring command; participating in a debriefing, post-incident analysis, and critiques; and completing required reports and supporting documentation for overall incident response operations.			
13.6.1(B)		X	X