

COURSE TITLE:	<b>HazMat Technician Capabilities Evaluation (CapEval™)</b>		Course No. & Version:	<b>HAZ038A</b>
TOPIC AREA:	<b>HazMat Technician</b>	LEVEL:	<b>Technician</b>	
SOURCE:	<b>Internal</b>	Course No.	<b>HAZ038A 11/2017</b>	
PRIMARY DOMAIN:	<input type="checkbox"/> Didactic <input checked="" type="checkbox"/> Psychomotor <input type="checkbox"/> Combination			
DELIVERY METHOD:	10 % Lecture	90% Hands-on	% Distanced	
	% Other:			
DURATION:	Hrs 8	SCHEDULING:	<b>One day 0830 – 1730</b>	
PROGRAM GOAL:	<p>Upon completion of this evaluation, the hazardous materials technician will be provided a diagnostic evaluation of the ability to perform specific skills associated with hazardous materials emergency response. This information can then be utilized to identify individual and organizational training needs.</p>			
TARGET AUDIENCE:	<p>Previously trained hazardous materials technicians. This program is intended to provide capabilities evaluation for identifying training strengths and weakness at the technician level of competency.</p>			
COURSE DESCRIPTION:	<p>This capabilities evaluation is based upon various competencies outlined in NFPA 472 and existing hazmat technician training curriculums. The performance areas that are evaluated are selected from a menu of skills by the contracting agency. Additional skill areas can be developed upon request by the contracting organization. The evaluation is then developed into various application stations in which the participants are observed by subject matter experts for appropriate performance based upon evaluation rubrics. Observed data is recorded in the CapEval™ database which is then utilized to produce detailed individual reports and/or team and regional summary reports concerning performance strengths and weakness.</p>			
MAX STUDENTS:	<b>Varies with skills evaluated</b>	MAX INST. RATIO:	<b>1:5</b>	
STANDARDS MET:	<p>Competencies addressed by NFPA 472 “Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents”</p>			
<b>APPROVALS</b>				
Organization	No. / Date	Conditions		
NOTES				

## **Program Description**

Upon completion of this process, the hazardous materials technician will be provided a diagnostic evaluation of the ability to perform specific skills associated with hazardous materials emergency response. This information can then be utilized to identify individual and organizational training needs.

## **Pre-Requisite**

Hazardous Materials Technician.

## **Target Audience Considerations**

Previously trained hazardous materials technicians. This program is intended to provide diagnostic skills performance report for this specific mission level.

## **Evaluation Considerations**

Evaluation is based upon educational / demonstrable competencies outlined in NFPA 472 “Standard for Competence of Responders to Hazardous Materials / Weapons of Mass Destruction Incidents” and the National Fire Protection “Hazardous Materials / Weapons of Mass Destruction Response Handbook”, most current edition, and any applicable local/regional or state standard operating guidelines.

## **Topic Area Menu**

- Hazard Analysis and Risk Assessment
- Planning and Modeling
- Container Identification and Characteristics
- Detection Equipment & Principles
- Detection Use and Interpretation
- Field Chemical Analysis
- Advanced Detection and Analysis
- Proper Selection of HazMat PPE
- Donning and Doffing of PPE
- Non-Pressurized Leak Control (Various DOT 406 scenarios, atmospheric container sidewall, valving/piping)
- Pressurized Leak Control (Chlorine ton container, 150 lbs. cylinder, railcar car or other pressuring cylinder)
- LPG and/or NG leak control
- Flaring Pressurized Containers
- Basic Spill and Leak Control
- Foam & Class B Fire Control

**Other topics developed upon request**

## **Duration**

The duration of the process is based upon the number and specific topic areas selected.