

# **Hazardous Materials Incidents, Incident Commander NFPA 1072, Chapter 8 (2017) Skills Competencies**

## **1. Analyzing the Incident, Collecting and Interpreting Hazard & Response Information**

**Tested Standard : NFPA 1072, 8.2.1**

- Identify and interpret the types of hazard and response information and explain the advantages and disadvantages of each resource:
  - Reference manuals
  - Hazardous materials databases
  - Technical information centers
  - Technical information specialists
  - Monitoring equipment

## **2. Analyzing the Incident, Estimating Potential Outcomes**

**Tested Standard NFPA 1072, 8.2.1**

- Given a simulated facility or transportation incident involving a hazardous material, the surrounding conditions, and the predicted behavior of the container and its contents, the incident commander shall estimate the potential outcomes within the endangered area.
- Identify the Steps for estimating the number of exposures within the endangered area of a hazardous materials incident. (Responders must assess the information gathered during analysis and predict the outcome based on that assessment).

## **3. Planning the Response, Identifying Response Objectives, Identifying the Potential Action Options, Approving the Level of PPE**

**Tested Standard NFPA 1072, 8.3.1**

- Given a simulated facility or transportation hazardous materials incident, the incident commander shall identify the possible action options by response objectives and approving the appropriate person protective equipment for each problem.
  - Select action option
  - Describe steps for identified objectives
  - Select appropriate PPE

## **4. Planning the Response, Developing a Plan of Action**

**Tested Standard NFPA 1072, 8.3.1**

- Given a simulated facility or transportation hazardous materials incident, the incident commander will develop a plan of action consistent with the local emergency action plan and the department's standard operating procedures that are within the capabilities of the available personnel, personal protective equipment, and control equipment.
  - Identify steps for developing action plan.
  - Conduct a debrief session and critique of the incident.

## 5. Planning the Response, Developing a Plan of Action

### Tested Standard NFPA 1072, 8.3.1

- Given the local emergency response plan and/or the organization's standard operating procedures, identify which agency will perform the following
  - Receive the initial notification;
  - Provide secondary notification and activation of response agencies;
  - Make ongoing assessments of the situation;
  - Command on-scene personnel (incident management system);
  - Coordinate support and mutual aid;
  - Provide law enforcement and on-scene security (crowd control);
  - Provide traffic control and rerouting;
  - Provide resources for public safety protective action (evacuation or shelter in-place);
  - Provide fire suppression services when appropriate;
  - Provide on-scene medical assistance (ambulance) and medical treatment (hospital);
  - Provide public notification (warning);
  - Provide public information (news media statements);
  - Provide on-scene communications support;
  - Provide emergency on-scene decontamination when appropriate;
  - Provide operational-level hazard control services;
  - Provide technician-level hazard mitigation services;
  - Provide environmental remedial action (cleanup) services;
  - Provide environmental monitoring;
  - Implement on-site accountability;
  - Provide on-site responder identification;
  - Provide command post security;
  - Provide crime scene investigation;
  - Provide evidence collection and sampling.

## 6. Implementing the Planned Response

### Tested Standard NFPA 1072 8.4.1

- Given a copy of the local emergency response plan, the incident commander shall identify the requirements of the plan, including the required procedures for notification and utilization of non-local resources (private, state, and federal government personnel). In accordance with the Hazardous Materials Response Handbook, the candidate shall:
  - Identify from the local emergency response plan, standard operating procedures, or written incident management system and steps for implementation.
  - Understand the role of the incident commander in a hazardous materials incident.

- Identify the duties and responsibilities of the hazardous materials IMS branch functions.
- Identify the primary local, state, regional, and federal government agencies and identify the scope of their regulatory authority in hazmat incidents.
- Identify the government agencies and private sector resources offering assistance during a hazardous materials incident and identify their role and the type of assistance or resources available

## **7. Implementing the Planned Response/IMS**

### **Tested Standard NFPA 1072 8.4.1**

- Identify the steps for implementing the local and related emergency response plans as required under SARA Title III (EPCRA) Section 303 of the federal regulations or other state and local emergency response planning legislation and identify the elements of each of the documents.
  - Identify the steps for implementing the local response plan, types of resources to be dispatched, additional entities to be notified, and the level of the incident.
  - Identify the elements of the following documents:
    - Pre-emergency planning and coordination with outside agencies
    - Personnel roles, lines of authority, training, and communications
    - Emergency recognition and prevention
    - Safe distances and places of refuge
    - Site security and control
    - Evacuation routes and procedures
    - Decontamination
    - Emergency medical treatment and first aid
    - Emergency alerting and response procedures
    - Critique response and follow-up
    - Personal Protective equipment (PPE) and emergency equipment

## **8. Implementing the Planned Response**

### **Tested Standard NFPA 1072 8.4.1**

- Identify the primary local, state, regional, and federal government agencies and identify the scope of their regulatory authority (including the regulations) pertaining to the production, transportation, storage, and use of hazardous materials and the disposal of hazardous wastes.

## **9. Evaluating the Progress of the Plan of Action**

### **Tested Standard NFPA 1072 8.5.1**

- Given a simulated facility or transportation hazardous materials incident, the incident commander shall evaluate the progress the plan of action to determine whether the efforts are accomplishing the response objectives.

- Identify the procedures for evaluating whether action options are effective in accomplishing the objectives:
  - Personnel
  - PPE and equipment
  - Control zones
  - Decontamination
  - Action options

#### **10. Terminating the Incident, Transferring Command/Control**

##### **Tested Standard      NFPA 1072 8.6.1**

- Given the details of a simulated incident, the local emergency response plan, and the organization's standard operating procedures, the incident commander shall be able to identify the appropriate steps to be taken to transfer command/control of the incident and demonstrate the transfer of command/control. Given the details of a simulated incident, the local emergency response plan, and the organization's standard operating procedures:
  - Identify the appropriate steps to fully brief the incoming command/control person on the details of the incident;
  - Communicate the transfer of command/control to all other interests involved in the incident.