3.3.8* Confined Space.
An area large enough and so configured that a member or a person can bodily enter and perform assigned work but which has limited or restricted means for entry and exit and is not designed for continuous human occupancy. [{472, 2013}]

Submitter Information Verification

Submitter Full Name: Thomas McGowan
Organization: National Fire Protection Assoc
Street Address:
City:
State:
Zip:
Submittal Date: Mon May 30 07:54:22 EDT 2016

Committee Statement

Committee Statement: The CC shall be responsible for correcting errors and omissions.

Second Revision No. 104-NFPA 1072-2016 [Section No. 3.3.8]
### Second Correlating Revision No. 6-NFPA 1072-2016 [Section No. 4.2]

#### 4.2* Recognition and Identification.
Recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, and approved reference sources, so that the presence of hazardous materials/WMD is recognized and the materials and their hazards are identified.

(A)* Requisite Knowledge.

What hazardous materials and WMD are; hazard, basic hazards associated with classes and divisions; hazards associated with various hazardous materials/WMD; typical container shapes that can indicate indicators to the presence of hazardous materials/WMD; including container shapes, NFPA 704 markings, and Globally Harmonized System globally harmonized system (GHS); others indicators of the presence of hazardous materials/WMD; and markings, placards, labels, pipeline markings, other transportation markings, shipping papers with emergency response information, and other indicators; accessing information from the Emergency Response Guidebook (ERG) (current edition) using name of the material, UN/NA identification number, placard applied, or container identification charts; and types of hazard information available from the U.S. Department of Transportation (DOT). Emergency Response Guidebook (ERG) or an equivalent document, safety data sheets (SDS), and manufacturer, shipper, and carrier documents (including shipping papers) and contacts, and how to access manufacturer, shipper, and carrier resources shipping papers with emergency response information, and other approved reference sources.

(B)* Requisite Skills.

Recognizing indicators to the presence of hazardous materials/WMD; identifying hazardous materials involved; and identifying the potential hazards associated with the material(s) involved, using the ERG or equivalent guide, SDS, and manufacturer, shipper, and carrier documents (including shipping papers) and contacts/WMD by name, UN/NA identification number, placard applied, or container identification charts; and using the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards.

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### Submitter Information Verification

**Submitter Full Name:** Thomas McGowan  
**Organization:** National Fire Protection Assoc

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Mon May 30 07:08:36 EDT 2016

### Committee Statement

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**Committee Comment No. 43-NFPA 1072-2016 [Section No. 4.2]**
4.3* Initiate Protective Actions.

Isolate the hazard area and deny entry at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, and approved reference sources, so that the incident hazard area is isolated and secured, personal safety procedures are followed, hazards are avoided or minimized, and additional people are not exposed to further harm.

(A)* Requisite Knowledge.

Use of the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify recommended precautions to be taken to protect responders and the public; policies and procedures for isolating the hazard area and denying entry; and the purpose of and methods for isolating the hazard area and denying entry.

(B)* Requisite Skills.

Identifying recommended precautions for protecting responders and the public, isolating the hazard; identifying isolation areas, and denying entry, while avoiding or minimizing hazards.

Submitter Information Verification

Submitter Full Name: Thomas McGowan
Organization: National Fire Protection Assoc
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Mon May 30 07:13:14 EDT 2016

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5.4* Action Plan Implementation.

Perform assigned tasks at a hazardous materials/WMD incident; an assignment with limited potential of contact with hazardous materials/WMD incident; policies and procedures; the scope of the problem; and approved tools, equipment, and PPE, so that protective actions and scene control are established and maintained; incident management system/incident command system (IMS/ICS) is established on-scene incident command is described; evidence is preserved, safety procedures are followed, approved PPE is selected and used in the proper manner; exposures and personnel are protected; hazards are avoided or minimized; and assignments are completed and gross decontamination of personnel, tools, equipment, and PPE is conducted in the field.

(A)* Requisite Knowledge.

Scene control procedures; procedures for protective actions, including evacuation and sheltering-in-place; procedures for ensuring coordinated communications between responders and to the public; evidence recognition and preservation procedures; IMS/ICS organization and procedures incident command organization; purpose, importance, benefits, and organization of incident command at hazardous materials/WMD incidents; policies and procedures for implementing incident command at hazardous materials/WMD incidents; capabilities, limitations, inspection, donning, working in, and maintenance going through decontamination while wearing, doffing approved PPE according to manufacturers' specifications and recommendations; signs and symptoms of heat/cold thermal stress; safety precautions when working at hazardous materials/WMD incidents; purpose, advantages, and limitations of gross decontamination; the need for gross decontamination in the field based on the task(s) performed and contamination received, including sources and hazards of carcinogens at incident scenes; gross decontamination procedures for personnel, tools, equipment, and PPE; and cleaning, disinfecting, and inspecting tools, equipment, and PPE.

(B)* Requisite Skills.

Performing Establishing and maintaining scene control; recognizing and preserving evidence; establishing an IMS/ICS; inspecting, donning, working in, and maintaining going through decontamination while wearing, and doffing approved PPE; identifying signs of heat/cold stress; isolating contaminated tools and equipment and PPE; conducting gross decontamination of contaminated personnel, tools, equipment, and PPE in the field; and cleaning, disinfecting, and inspecting approved tools, equipment, and PPE.

Submitter Information Verification

Submitter Full Name: Ed Conlin
Organization: National Fire Protection Assoc
Street Address:
City:
State:
Zip:
Submittal Date: Tue May 24 07:01:03 EDT 2016

Committee Statement

Committee Statement: The revisions in section 5.4 and 5.4(B) were made to correlate the incident command requirements between the existing NFPA 1001 and the proposed NFPA 1072 documents. This revision has to occur in Table C.1 also.

Committee Comment No. 48-NFPA 1072-2016 [Section No. 5.4]
6.1 General.

6.1.1
Operations level responders assigned mission-specific responsibilities at hazardous materials/weapons of mass destruction (WMD) incidents shall meet the job performance requirements defined in Sections 4.2 through 4.4. WMD incidents are those operations level responders designated by the AHJ to perform additional tasks to support the AHJ’s response mission, expected tasks, equipment, and training in the following areas:

1. Personal protection equipment (PPE) (see Section 6.2)
2. Mass decontamination (see Section 6.3)
3. Technical decontamination (see Section 6.4)
4. Evidence preservation and sampling (see Section 6.5)
5. Product control (see Section 6.6)
6. Detection, monitoring, and public safety sampling (see Section 6.7)
7. Victim rescue and recovery (see Section 6.8)
8. Illicit laboratory incidents (see Section 6.9)

6.1.2
Operations level responders assigned mission-specific responsibilities at hazardous materials/WMD weapons of mass destruction (WMD) incidents shall meet the job performance requirements defined in Sections 4.2 through 4.4.

6.1.3
Operations level responders assigned mission-specific responsibilities at hazardous materials/WMD incidents shall meet the job performance requirements defined in Sections 5.2 through 5.6.

6.1.4
Operations level responders assigned mission-specific responsibilities at hazardous materials/WMD incidents shall have additional competencies that are specific to their response mission, expected tasks, equipment, and training as determined by the AHJ.

6.1.5*
Qualification for operations level responders assigned mission-specific responsibilities at hazardous materials/WMD incidents is specific to a mission area. For qualification, operations mission-specific responders shall perform all the job performance requirements listed in at least one level of a specialty area (Sections 6.2 through 6.9). Operations mission-specific responders will be identified by their specialty area as follows:

- Personal protection equipment (PPE) (see Section 6.2)
- Mass decontamination (see Section 6.3)
- Technical decontamination (see Section 6.4)
- Evidence preservation and sampling (see Section 6.5)
- Product control (see Section 6.6)
- Detection, monitoring, and sampling (see Section 6.7)
- Victim rescue and recovery (see Section 6.8)
- Illicit laboratory incidents (see Section 6.9)
6.1.6* Operations level responders assigned mission-specific responsibilities at hazardous materials/WMD incidents shall operate under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures.

6.1.7 General Knowledge Requirements. (Reserved)

6.1.8 General Skills Requirements. (Reserved)

Submitter Information Verification

Submitter Full Name: Thomas McGowan
Organization: National Fire Protection Assoc
Street Address:
City:
State:
Zip:
Submittal Date: Mon May 30 07:03:25 EDT 2016

Committee Statement

Committee Statement: The CC shall be responsible for correcting errors and omissions.

Committee Comment No. 71-NFPA 1072-2016 [Section No. 6.1]
6.5* Evidence Preservation and Public Safety Sampling.

Perform evidence preservation and public safety sampling at a hazardous materials/WMD incident, given a hazardous materials/WMD incident involving potential violations of criminal statutes or governmental regulations, including suspicious letters and packages, illicit laboratories, a release/attack with a WMD agent, and environmental crimes; an assignment in an IAP; scope of the problem; policies and procedures; and approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, forensic evidence is preserved; public safety samples are taken; under the guidance of law enforcement or the authority having jurisdiction, potential evidence is seized in accordance with approved protocols and techniques; public safety samples are packaged; approved PPE is selected and used; safety procedures are followed; hazards are avoided or minimized; and, if contaminated, hazardous materials/WMD incidents with a potential violation of criminal statutes or governmental regulations are identified; notify agency/agencies having investigative jurisdiction and hazardous explosive device responsibility for the type of incident are notified; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; evidence is identified and preserved; public safety samples are collected, and packaged, and the outside packaging is decontaminated; emergency responders, tools, and equipment are decontaminated; and evidence preservation and public safety sampling operations are reported and documented.

(A) Requisite Knowledge.

Types of PPE and the hazards for which they are used; importance of working under the guidance of a hazardous materials technician, an allied professional, including law enforcement personnel or others with similar authority, an emergency response plan, or standard operating procedures as well as law enforcement agencies; unique aspects of a suspicious letter, a suspicious package or device, an illicit laboratory, or a release/attack with a WMD agent; potential violations of criminal statutes or governmental regulations; agencies having response authority to collect evidence and public safety samples; agencies having investigative law enforcement authority to collect evidence or public safety samples; notification procedures for agencies having investigative law enforcement authority and hazardous explosive device responsibility; chain-of-custody procedures; securing, characterization, and preservation of the scene and potential forensic evidence; approved documentation procedures; types of evidence; use and limitations of equipment to conduct field screening of samples for to screen for corrosivity, flammability, oxidizers, radioactivity, volatile organic compounds (VOC), and fluorides for admission into the Laboratory Response Network or other forensic laboratory system; use of collection kits; collection and packaging of public safety samples; decontamination of outside packaging; prevention of secondary contamination; and protection and transportation requirements for sample packaging; and requirements for reporting and documenting evidence preservation and public safety sampling operations.
(B) Requisite Skills.

Identifying incidents with a potential violation of criminal statutes or governmental regulations; identifying the agency having investigative jurisdiction over an incident that is potentially criminal in nature or a violation of government regulations; operating field screening and sampling equipment to screen for corrosivity, flammability, oxidizers, radioactivity, volatile organic compounds (VOC), and fluorides; securing, characterizing, and preserving the scene; identifying and protecting potential evidence until it can be collected by an agency with investigative authority; following chain-of-custody procedures; characterizing hazards; performing protocols for field screening samples for admission into the Laboratory Response Network or other forensic laboratory system; protecting evidence from secondary contamination; determining agency having response authority to collect public safety samples; collecting public safety samples; packaging and labeling samples; decontaminating samples; determining agency having investigative law enforcement authority to collect evidence and public safety samples; collecting public safety samples; packaging and labeling samples; decontaminating samples; going through decontamination while wearing PPE; and decontaminating outside sample packaging; preparing samples for protection and transportation to a laboratory; and completing required reports and supporting documentation for evidence preservation and public safety sampling operations.

Submitter Information Verification

Submitter Full Name: Sonia Barbosa
Organization: [ Not Specified ]
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Fri Jun 03 14:03:11 EDT 2016

Committee Statement

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SR-62-NFPA 1072-2016
Second Correlating Revision No. 11-NFPA 1072-2016 [Section No. 6.6]

**6.6* Product Control.**

Perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, control agents, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, a product control technique is selected and implemented; the product is controlled; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; and, if contaminated; a product control technique is selected and implemented; the product is controlled; victims, personnel, tools, and equipment are decontaminated; and product control operations are reported and documented.

**(A)* Requisite Knowledge.

Types of PPE and the hazards for which they are used; importance of working under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; definitions of control, confinement, containment, and extinguishment; policies and procedures; product control techniques methods for controlling a release with limited risk of personal exposure; safety precautions associated with each product control technique method; location and operation of remote/emergency shutoff devices in cargo tanks and intermodal tanks in transportation and containers at fixed facilities, that contain flammable liquids and flammable gases; characteristics and applicability of approved product control agents; and use of approved tools and equipment; and requirements for reporting and documenting product control operations.

**(B)* Requisite Skills.

Selecting and using PPE; selecting and performing product control techniques to confine/contain the release with limited risk of personal exposure; using approved control agents and equipment on a release involving hazardous materials/WMD; using remote control valves and emergency shutoff devices on cargo tanks and at intermodal tanks in transportation and containers at fixed facilities; and performing product control techniques.

Submitter Information Verification

**Submitter Full Name:** Thomas McGowan

**Organization:** National Fire Protection Assoc

**Street Address:**

**City:**

**State:**

**Zip:**

**Submital Date:** Mon May 30 07:30:21 EDT 2016

Committee Statement

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Committee Comment No. 63-NFPA 1072-2016 [Section No. 6.6]
6.9* Response to Illicit Laboratories.

Perform response operations at an illicit laboratory at a hazardous materials/WMD incident, given a hazardous materials/WMD incident involving an illicit laboratory; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional including law enforcement agencies or others having similar investigative authority, an emergency response plan, or standard operating procedures as well as law enforcement personnel, so that under the guidance of a hazardous materials technician, an allied professional, including law enforcement agencies or others having similar investigative authority, an emergency response plan, or standard operating procedures, the scene is secured; the type of laboratory is identified; potential hazards are identified; control procedures are implemented; evidence is preserved; approved PPE is selected and used; safety procedures are followed; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; if contaminated, control procedures are implemented; evidence is identified and preserved; personnel, victims, tools, and equipment are decontaminated; and all required reports and documentation pertaining to illicit laboratory response operations are completed, reported, and documented.

(A)* Requisite Knowledge.

Types of PPE and the hazards for which they are used; importance of working under the guidance of a hazardous materials technician, an allied professional including law enforcement personnel or others with similar authority, an emergency response plan, or standard operating procedures as well as law enforcement agencies; types of illicit laboratories and how to identify them; operational considerations at illicit laboratories; hazards and products at illicit laboratories; potential booby traps often found at illicit laboratories; law enforcement agencies or others having similar investigative authority, the scene is secured; coordinating crime scene coordination with law enforcement agencies or others having similar investigative authority, securing and preserving evidence; procedures for conducting a joint hazardous materials/hazardous devices site reconnaissance and hazard identification assessment operation; procedures for determining atmospheric hazards; conducting a joint hazardous materials/hazardous devices site reconnaissance and hazard identification assessment operation to mitigate hazards; implementing scene control procedures; selecting detection, monitoring, and sampling equipment; implementing technical decontamination for personnel; securing an illicit laboratory; going through decontamination; identifying and isolating hazards; identifying safety hazards; conducting a joint hazardous materials/hazardous devices assessment operation to mitigate hazards; implementing scene control procedures; decontaminating potential suspects; procedures for decontaminating potential suspects, tactical law enforcement personnel, weapons, and law enforcement canines; procedures for decontaminating potential suspects; procedures for going through technical decontamination while wearing PPE; and required procedures for reporting and documenting illicit laboratory response operations.

(B) Requisite Skills.

Selecting implementing scene control procedures; selecting and using PPE; selecting detection, monitoring, and sampling equipment; implementing technical decontamination for personnel; securing an illicit laboratory; going through decontamination; identifying and isolating hazards; identifying safety hazards; conducting a joint hazardous materials/hazardous devices assessment operation to mitigate hazards; implementing scene control procedures; decontaminating potential suspects; tactical law enforcement personnel, weapons, and law enforcement canines; and completing required reports and supporting documentation pertaining to illicit laboratory response operations.

Submitter Information Verification

Submitter Full Name: Thomas McGowan
Organization: National Fire Protection Assoc
Street Address:
City:
State:
Zip:
Committee Statement

Committee Statement: The CC shall be responsible to correcting errors and omissions.

Committee Comment No. 65-NFPA 1072-2016 [Section No. 6.9]
7.1 General.

7.1.1 Hazardous materials technicians are those persons who respond to hazardous materials/weapons of mass destruction (WMD) incidents using a risk-based response process by which they analyze a problem involving hazardous materials/WMD, plan a response to the problem, implement the planned response, evaluate progress of the planned response, and assist in terminating the incident.

7.1.2 Hazardous materials technicians shall meet the job performance requirements defined in Sections 4.2 through 4.4.

7.1.3 Hazardous materials technicians shall meet the job performance requirements defined in Sections 5.2 through 5.6.

7.1.4 Hazardous materials technicians shall meet the job performance requirements defined in Sections 7.2 through 7.6.

7.1.5 Hazardous materials technicians — those persons responding to an emergency involving hazardous materials/weapons of mass destruction (WMD) — shall use a risk-based response process to analyze a problem involving hazardous materials/WMD, select applicable decontamination procedures, and control a release using specialized protective clothing and control equipment.

7.1.6 Hazardous materials technicians shall have additional competencies that are specific to the response mission and expected tasks as determined by the AHJ.

7.1.7 General Skills Requirements.

Written and verbal communication skills.

Submitter Information Verification

Submitter Full Name: Thomas McGowan
Organization: National Fire Protection Assoc
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Mon May 30 07:46:08 EDT 2016

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Committee Comment No. 76-NFPA 1072-2016 [Section No. 7.1]