# NFPA® 610

Guide for Emergency and Safety Operations at Motorsports Venues

2024 Edition



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#### NFPA® 610

#### Guide for

#### **Emergency and Safety Operations at Motorsports Venues**

#### 2024 Edition

This edition of NFPA 610, *Guide for Emergency and Safety Operations at Motorsports Venues*, was prepared by the Technical Committee on Safety at Motorsports Venues. It was issued by the Standards Council on October 7, 2022, with an effective date of October 27, 2022, and supersedes all previous editions.

This document has been amended by one or more Tentative Interim Amendments (TIAs) and/or Errata. See "Codes & Standards" at www.nfpa.org for more information.

This edition of NFPA 610 was approved as an American National Standard on October 27, 2022.

#### Origin and Development of NFPA 610

The 2003 edition was the first edition of NFPA 610, *Guide for Emergency and Safety Operations at Motorsports Venues*. A technical committee was appointed by the NFPA Standards Council in 1998 to address the subject of safety at motorsports venues. The technical committee wrote this guide to assist facility owners, operators, promoters, and emergency management personnel in developing and implementing a system that provides for effective emergency operations at motorsports facilities and events. The guide is intended to assist with the planning for emergency operations, training and equipping emergency workers, and deploying resources at the time of an incident. These operations can lead to more effective fire suppression in the event of a fire and to improved rescue and medical care for competitors and spectators in post-crash situations, while providing for the safety of emergency response personnel working at the venue.

For the 2009 edition, the application statements were revised to indicate that the document is not intended to apply to non-motorsports events conducted at a motorsports venue because such events are covered by other NFPA codes and standards. The revised document provides a better description of scalability by creating a method to classify events. This was carried through the discussion of emergency action plans. A sample emergency action plan was included in Annex B for a simple event that is generally perceived as posing less risk of injury than that encountered in legal and responsible travel in an automobile on public roads. Revisions were made to the emergency action plan checklist in Chapter 4 to further assist persons running simple events in determining what their emergency action plan should include.

The revised document recognized the National Incident Management System (NIMS) and reflects the use of NIMS in managing emergency incidents at motorsports events.

Chapter 5 was completely rewritten to reflect a "knowledge, skill, ability" format for denoting minimum training requirements for persons expected to operate in the various positions that could be needed if an emergency were to occur at a motorsports event. The question of who can provide training to persons expected to meet the different capability levels was clarified.

Chapter 6 was revised to reflect the latest editions of personal protective equipment (PPE) standards that can be referenced when purchasing protective equipment for emergency workers at motorsports events. Recognizing that some events are run at night, when visibility is poor, a recommendation for use of garments with retroreflective trim or a light source was added. A PPE matrix was developed and added as Annex C to provide increased direction as to the type and style of PPE for the motorsports safety workers.

Chapter 7 was revised to reflect changes in portable fire extinguishers and extinguishing agents based on NFPA 10, *Standard for Portable Fire Extinguishers*, including the addition of agent discharge performance for dry chemical extinguishers.

The entire 2009 edition of the document was reviewed and revised to increase the clarity, usability, and understandability of the text.

In the 2014 edition, the technical committee changed the use of an emergency action plan to an incident action plan. These changes were reflected throughout the body of the document and the sample incident action plan in Annex B. The new incident action plan included language for the newly defined Level I through Level III motorsports events. The technical committee also added a new definition for *event*, and referenced definitions for *incipient stage* and *incident action plan* from other NFPA documents. Other major changes in the 2014 edition included the consolidation of Chapter 8 recommendations to reflect a single section for all staffing information needs, updated figures and sample forms, clarification on PPE recommendations, and editorial changes throughout.

The 2019 edition of NFPA 610 included editorial revisions and updated references. This edition also featured a revised sample incident action plan (including active shooter incidents), critical incident stress management (CISM), deployment, and changes to the number of people on site that define Level II and Level III motorsports events.

The 2024 edition has been revised to better address the planning, training, personnel, and equipment for special challenges associated with performance rally, road rally, rally sprint, off-road, and other nontraditional events held in a wide variety of venues, including closed or open public or private roads and public lands. Terminology has been updated throughout to be more inclusive of nontraditional events (e.g., "competition area" instead of "track"), to be more consistent across chapters (e.g., "event" versus "incident"), and to correlate with other standards (e.g., "active shooter/hostile event (ASHE)" instead of "terrorist activities"). A new Annex C has been added to provide a list of personnel training resources.

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**Committee Scope:** This Committee shall have primary responsibility for documents on training, personnel, equipment, and facilities not covered by other NFPA documents as they relate to emergency operations and safety at motorsports venues.

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#### **NFPA 610**

#### Guide for

## **Emergency and Safety Operations at Motorsports Venues**

#### 2024 Edition

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NOTICE: An asterisk (\*) following the number or letter designating a paragraph indicates that explanatory material on the paragraph can be found in Annex A.

A reference in brackets [] following a section or paragraph indicates material that has been extracted from another NFPA document. Extracted text may be edited for consistency and style and may include the revision of internal paragraph references and other references as appropriate. Requests for interpretations or revisions of extracted text shall be sent to the technical committee responsible for the source document.

Information on referenced and extracted publications can be found in Chapter 2 and Annex F.

#### Chapter 1 Administration

- **1.1 Scope.** This guide addresses planning, training, personnel, equipment, and facilities as they relate to emergency and safety operations at motorsports venues.
- **1.2 Purpose.** The purpose of this document is to provide guidance for the development of a system that provides for the safety of emergency response personnel and effective emergency operations at motorsports venues and events through planning, training, and equipping, and through the deployment of necessary resources.

#### 1.3 Application.

- **1.3.1** This guide applies to motorsports events held at both indoor and outdoor motorsports venues, whether temporary or permanent, except for air or water events.
- **1.3.2** As all portions of this document might not apply to every motorsports event or venue, the authority having jurisdiction and the event/venue official should review this document

against the operating environment of the event or venue and determine which components of this guide are applicable. No statement within or section of this document can be applied independently without reference to other applicable sections.

- **1.3.3** This guide is not intended to apply to non-motorsports events conducted at motorsports venues.
- **1.3.4** It is also recommended that an implementation plan be developed based on the applicable portions of this guide.
- **1.4 Equivalency.** Nothing in this guide is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety over those recommended by this guide.

#### **Chapter 2 Referenced Publications**

- **2.1 General.** The documents or portions thereof listed in this chapter are referenced within this guide and should be considered part of the recommendations of this document.
- △ 2.2 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 10, Standard for Portable Fire Extinguishers, 2022 edition. NFPA 1561, Standard on Emergency Services Incident Management System and Command Safety, 2020 edition.

NFPA 1581, Standard on Fire Department Infection Control Program, 2022 edition.

NFPA 1936, Standard on Rescue Tools, 2020 edition.

NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents, 2020 edition.

NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, 2018 edition.

NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Fire Fighting and Urban Interface Fire Fighting, 2022 edition.

NFPA 3000<sup>®</sup>, Standard for an Active Shooter/Hostile Event Response (ASHER) Program, 2021 edition.

#### $\Delta$ 2.3 Other Publications.

**2.3.1 ASTM Publications.** ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

ASTM D3578, Standard Specification for Rubber Examination Gloves, 2019.

ASTM F2413, Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear, 2018.

△ 2.3.2 ISEA Publications. International Safety Equipment Association, 1101 Wilson Boulevard, Suite 1425, Arlington, VA 22209-1762. safetyequipment.org

ANSI/ISEA Z87.1, American National Standard for Occupational and Educational Personal Eye and Face Protection Devices, 2020.

ANSI/ISEA 107, American National Standard for High-Visibility Safety Apparel, 2020.

- 2.3.3 SFI Publications. SFI Foundation, Inc., 15708 Pomerado Road, Suite N208, Poway, CA 92064-2036. sfifoundation.com
  - SFI Spec 3.2A, Driver Suits, June 26, 2020.
  - SFI Spec 3.3, Driver Accessories, June 26, 2020.
- SFI Spec 31.1, Flame Resistant Motorsports Helmets, March 27, 2013.
  - SFI Spec 41.1, Motorsports Helmet, March 27, 2013.
- **\Delta** 2.3.4 Snell Publications. Snell Memorial Foundation, Inc., 3628 Madison Avenue, Suite 11, North Highlands, CA 95660. smf.org
  - M2010, Standard for Protective Headgear for Use with Motorcycles and Other Motorized Vehicles, 2010.
  - M2015, Standard for Protective Headgear for Use with Motorcycles and Other Motorized Vehicles, October 1, 2014.
  - M2020, Standard for Protective Headgear for Use with Motorcycles and Other Motorized Vehicles, 2020.
  - SA2010, Standard for Protective Headgear for Use in Competitive Automotive Sports or for Use in Kart Racing, May 20, 2009.
  - SA2015, Standard for Protective Headgear for Use in Competitive Automotive Sports, March 25, 2014.
  - SA2020, Special Applications Standard for Protective Headgear for Use in Competitive Automotive Sports, May 3, 2019.
  - 2.3.5 U.S. Government Publications. U.S. Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-0001.
    - Homeland Security Presidential Directive 5 (HSPD-5), 2003.
  - Title 29, Code of Federal Regulations, Part 1910.95, "Occupational noise exposure."
  - Title 29, Code of Federal Regulations, Part 1910.133, "Eye and face protection."
  - Title 29, Code of Federal Regulations, Part 1910.1030, "Bloodborne pathogens." 2019.
  - Title 49, Code of Federal Regulations, Part 571.218, "Federal Motor Vehicle Safety Standards — Motorcycle Helmets."

#### 2.3.6 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2003.

#### Δ 2.4 References for Extracts in Advisory Sections.

NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition.

NFPA 600, Standard on Facility Fire Brigades, 2020 edition.

NFPA 1140, Standard for Wildland Fire Protection, 2022 edition.

NFPA 1616, Standard on Mass Evacuation, Sheltering, and Reentry Programs, 2020 edition.

NFPA  $1500^{\mathrm{TM}}$ , Standard on Fire Department Occupational Safety, Health, and Wellness Program, 2021 edition.

NFPA 1561, Standard on Emergency Services Incident Management System and Command Safety, 2020 edition.

NFPA 3000<sup>®</sup>, Standard for an Active Shooter/Hostile Event Response (ASHER) Program, 2021 edition.

#### **Chapter 3 Definitions**

**3.1 General.** The definitions contained in this chapter apply to the terms used in this guide. Where terms are not defined in this chapter or within another chapter, they should be defined using their ordinarily accepted meanings within the context in which they are used. Merriam-Webster's Collegiate Dictionary, 11th edition, is the source for the ordinarily accepted meaning.

#### 3.2 NFPA Official Definitions.

- **3.2.1\* Approved.** Acceptable to the authority having jurisdic-
- 3.2.2\* Authority Having Jurisdiction (AHJ). An organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.
- **3.2.3 Guide.** An NFPA standard that is advisory or informative in nature and that contains only nonmandatory provisions. A guide may contain mandatory statements such as when a guide can be used, but the NFPA standard as a whole is not suitable for adoption into law.
- 3.2.4 Labeled. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization that is acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.
- 3.2.5\* Listed. Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or service meets appropriate designated standards or has been tested and found suitable for a specified purpose.
- 3.2.6 Should. Indicates a recommendation or that which is advised but not required.
- 3.3 General Definitions.
- N 3.3.1\* Amateur Radio (Ham Radio). The use of radio frequency spectrum to talk across town, around the world, or into space, without the use of internet or cell phones.
- N 3.3.2 Active Shooter/Hostile Event (ASHE). An incident involving one or more individuals who are or have been actively engaged in harming, killing, or attempting to kill people in a populated area by means such as firearms, explosives, toxic substances, vehicles, edged weapons, fire, or a combination thereof. [3000, 2021]
- N 3.3.3 Active Shooter/Hostile Event Response (ASHER). A response to an ASHE incident. [3000, 2021]
  - 3.3.4 Command Post. The location where the incident commander and associated staff are located during an emergency incident.

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- 3.3.5 Competition Area. The designated area of a motorsports venue in which vehicles compete, perform, train, demonstrate, or test at competitive speeds.
- $\Delta$  3.3.6 Critical Incident Stress. Stress or other adverse condition created by an unusual or traumatic incident for persons who have been exposed to but have not necessarily incurred bodily injury from the incident.
  - 3.3.7 Emergency Incident. Any situation to which an emergency services organization responds to deliver emergency services, including rescue, fire suppression, emergency medical care, special operations, law enforcement, and other forms of hazard control and mitigation. [1561, 2020]
- **\Delta** 3.3.8 Emergency Medical Services (EMS). The provision of treatment, such as first aid, cardiopulmonary resuscitation, basic life support, advanced life support, and other pre-hospital procedures including ambulance transportation, to patients. [1500, 2021]
  - 3.3.9 Emergency Response Personnel. Personnel who are designated by the incident action plan or who are operating above the motorsports safety awareness level to serve in responder or safety roles, including competition area clean-up personnel, competition area emergency medical personnel, emergency medical personnel, marshals, pit area firefighters, rescue personnel, security personnel, track firefighters, and vehicle recovery personnel.
- 3.3.9.1\* Competition Area Clean-Up Personnel (Track Restoration Personnel, Track Services Personnel). Personnel whose primary responsibility is to keep the competition area in proper condition for racing.
  - 3.3.9.2 Competition Area Emergency Medical Personnel. Personnel assigned to emergency medical duties on and adjacent to the competition area who respond by ambulance, safety vehicles, other vehicles, or on foot and whose training levels range from first responder to medical doctor.
  - 3.3.9.3 Emergency Medical Personnel. Personnel primarily responsible for providing preclinical emergency medical care or having additional responsibilities of extrication.
  - 3.3.9.4\* Marshal. An individual assigned to provide observation and communications, to show flags to drivers, to provide first-response firefighting and first-response emergency medical care, and to remove debris and assist in removing vehicles.
  - 3.3.9.5 Pit Area Firefighter. A firefighter who is responsible for providing fire suppression in the pit area and who might be responsible for fire suppression at the fueling depot.
  - 3.3.9.6 Rescue Personnel. Personnel assigned to extricate injured or trapped occupants from disabled competition vehicles.
  - **3.3.9.7** Security Personnel. Personnel, with or without arrest authority, assigned to control crowds and traffic at a motorsports venue and whose duties might also including checking of credentials and identification and deterring theft.
  - 3.3.9.8 Track Firefighter. A firefighter primarily responsible for competition area fire suppression activities and possibly extrication efforts.
  - **3.3.9.9** Vehicle Recovery Personnel. Personnel primarily responsible for the operation of vehicle recovery equipment

and the removal of disabled competition vehicles and their components from the competition and adjacent areas.

- **3.3.10 Event/Venue Official.** Any individual assigned to oversee the operation of a particular portion of a motorsports event, motorsports venue, or both.
- **3.3.11 Garage.** A secured area, protected from the elements by a structure or structures, in which competition vehicles are parked or stored and in which work is performed.
- **3.3.12 Hazard.** That which is capable of posing an unreasonable risk to health, safety, or the environment; capable of causing harm.
- 3.3.13 Hazardous Materials Incident. An incident involving hazardous or volatile chemicals or other materials that, pursuant to local, state, or federal law, requires prescribed actions for clean-up, disposal, or both.
- **\Delta** 3.3.14 Hazardous Situation. An act or condition judged to present a danger to persons or property so urgent and severe that it requires immediate corrective or preventive action.
- **N** 3.3.15 **Incident.** An event that has the potential to cause interruption, disruption, loss, emergency, crisis, disaster, or catastrophe. [1616, 2020]
- Δ 3.3.16 Incident Action Plan (IAP). A plan that contains objectives reflecting the overall incident strategy, specific tactical actions, and supporting information for a specific period of time. [1140, 2022]
  - 3.3.17 Incident Commander (IC). The individual responsible for all incident activities, including the development of strategies and tactics and the ordering and the release of resources. [**470**, 2022]
  - 3.3.18 Incident Management System (IMS). A system that defines the roles and responsibilities to be assumed by responders and the standard operating procedures to be used in the management and direction of emergency incidents and other functions. [1561, 2020]
- $\Delta$  3.3.19 Incipient Stage Fire. A fire which is in the initial or beginning stage and which can be controlled or extinguished by portable fire extinguishers, Class II standpipe, or small hose systems without the need for protective clothing or breathing apparatus. [600, 2020]
  - 3.3.20 Local Authority. See 3.2.2, Authority Having Jurisdic-
  - 3.3.21 Major Venue. A purpose-built motorsports venue occupying a large amount of land that can accommodate a mass gathering to witness a motorsports event.
  - 3.3.22 Medical Gloves. An item of emergency medical protective clothing that is designed and configured to provide barrier protection to the wearer's hand to at least the wrist.
- **\Delta** 3.3.23 **Motorsports Event.** A planned activity or gathering of participants in which one or more motorized vehicles are operated for speed and/or performance, which is conducted at a motorsports venue and includes all related activities, such as a designated race as well as all periods for participant registration, vehicle inspections, time trials, qualifying races, practice runs, exhibitions, post-race inspections, or postponed dates related thereto.

- **3.3.23.1** *Drag Strip.* A straight, open-ended course without turns that generally does not incorporate changes in elevation.
- N 3.3.23.2\* Nontraditional Event. An event held on a closed, temporary course on closed public or private roadways over vast areas of various surfaces, environments, or conditions.
  - **3.3.23.3** *Road Course.* A closed, permanent course on which there are turns in both directions and that might incorporate changes in elevation.
  - **3.3.23.4** *Street Circuit.* A closed, temporary course on closed public or private roadways on which there are turns in both directions and that might incorporate changes in elevation.
  - **3.3.24 Motorsports Safety Awareness Level.** A designation for the capability expected of an individual who has been given basic safety information as provided by the event/venue incident action plan.
  - **3.3.25 Motorsports Safety Command Manager.** An individual in management assigned to oversee the direction and supervision of the event/venue incident action plan and operations.
  - **3.3.26 Motorsports Safety Operations Level.** A designation for the capability expected of operations personnel that pertains to their specific responsibilities and duties as provided by the event/venue incident action plan.
  - **3.3.27 Motorsports Safety Specialist Level.** A designation for the capability expected of highly specialized personnel that pertains to the performance of their specific areas of rescue or emergency expertise as provided by the event/venue incident action plan.
  - **3.3.28 Motorsports Safety Technician Level.** A designation for the capability expected of emergency personnel that pertains to the implementation of rescue procedures as provided by the event/venue incident action plan.
  - ${\bf 3.3.29~Motorsports~Venue.}$  A facility or designated area at which motorsports and related activities are conducted.
  - **3.3.30 Multi-Casualty Incident (MCI).** An emergency casualty incident involving multiple persons with bodily injuries that exceeds the capacity of the medical resources available at the motorsports event/venue.
  - **3.3.31 Multi-Use Venue.** A motorsports venue that incorporates more than one type of course and is adaptable to a variety of motorsports event types.
  - **3.3.32\*** National Incident Management System (NIMS). A system mandated by Homeland Security Presidential Directive 5 (HSPD-5) that provides a consistent nationwide approach for federal, state, local, and tribal governments; the private sector; and nongovernmental organizations (NGOs) to work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents, regardless of cause, size, or complexity. [1561, 2020]
  - **3.3.33 Off-Track Emergency Response.** Response to emergencies at a motorsports venue in areas other than the competition area and immediately adjacent areas including, but not limited to, hospitality areas, concession stands, cooking facilities, grandstands, parking areas, and media areas.

- **3.3.34\* Paddock or Service Area.** A secured or restricted area in which competition and support vehicles are parked or staged, or both, and in which work is performed.
- **3.3.35 Pit Area.** A designated area in which work is performed on competition vehicles during the race or performance.
- **3.3.36 Sanctioning Body.** The individual or organization responsible for the rules and conduct of the competition.
- **3.3.37 Site Emergency Team.** An organized group of emergency response personnel operating under an incident action plan and appropriate standard operating procedures to respond to emergencies for the purpose of mitigation or stabilization of an incident.

#### Chapter 4 Incident Action Plan

- **4.1 General.** For each motorsports event, an incident action plan (IAP) should be prepared by the motorsports venue owner/operator working in conjunction with the authority having jurisdiction (AHJ). Changing resources and event characteristics might require ongoing modifications or built-in adaptability. A designated person should be responsible for the maintenance of the plan. (See Annex B for sample IAPs.)
- **4.1.1** For the purpose of this document, an IAP is a formal written plan that defines roles and responsibilities; identifies potential emergency conditions at the motorsports venue; and prescribes the procedures and objectives reflecting the overall incident/event strategy, tactics, risk management, and member safety to be followed to minimize or prevent loss of life and property. In certain jurisdictions, this might also be referred to as an emergency action plan (EAP) or emergency operations plan (EOP). It should be noted that for the purpose of this document, an IAP does not refer to an IAP as defined by the National Response Framework (NRF) and the National Incident Management System (NIMS).
- **4.2 Motorsports Event Level.** For the purpose of developing IAPs, motorsports events are classified as Level I through Level III in this document.
- **4.2.1** A Level I motorsports event is an event that is generally perceived as posing less risk of injury than that encountered in legal and responsible travel in an automobile on public roads. Events in this level typically have less than 1000 people on site. Examples include, but are not limited to, club or private events held usually in parking lots or other temporary facilities and autocrosses, manufacturer ride and drives, or new car introductions at racing facilities.
- **4.2.2** A Level II motorsports event is an event that is generally perceived as posing a risk of injury similar to that encountered in legal and responsible travel in an automobile on public roads. Events in this level typically have 1000 to 6000 people on site. Examples would include, but not be limited to, entry-level competitions, noncompetitive driving schools, motorcycle enduros, closed-course rallies, street legal drag racing, standalone time trials, or karting or quarter midget competitions.
- **4.2.3** A Level III motorsports event is an event that is generally perceived as posing a risk of injury higher than those encountered in legal and responsible travel in an automobile on public roads. Events in this level typically have greater than 6000 people on site. Examples include, but are not limited to,

oval competitions, speed tests, road course speed events, tractor pulls, monster truck events, drag racing, drifting, or motocross.

#### 4.3 Statement of Purpose.

- **4.3.1** The IAP should begin with a statement of purpose that defines the goals of the plan.
- **4.3.1.1** An example of a statement of purpose for a motor-sports venue running Level I and Level II motorsports events is as follows: "This plan defines response systems for on-track and off-track incidents. This plan also provides for coordination between the site emergency team response and AHJs to promote an effective response."
- **4.3.1.2** An example of a statement of purpose for a motor-sports venue running Level III motorsports events is as follows: "The purpose of this incident action plan is to provide response procedures to protect people and property during an emergency or disaster situation. This plan identifies and assigns personnel to various tasks and responsibilities, thus creating the site emergency team. This plan defines response systems for on-track and off-track incidents. This plan also provides for coordination between the site emergency team response and AHJs to promote an effective response."
- **4.3.2** All parties involved in the operations described in the IAP should know their responsibilities under the plan.

#### 4.4 IAP Modification.

- **4.4.1** The IAP should be capable of being scaled to the size and type of motorsports event. The venue or event operator might need to modify standing plans to address variability in crowd size, differences in competition vehicles, or design of racing surface. If the planned event is different from what occurs on a regular basis, then the IAP should change accordingly.
- **4.4.2** The IAP should be applied based on the motorsports event level. This requires the owner/operator to address the hazards expected from the type of motorsports event planned as well as the expected quantity of persons present.
- **4.4.3** The IAP should identify the number and types of roles necessary to carry out the objectives of the plan.

#### 4.5 Consistency with Plans of the AHJ.

- **4.5.1** The IAP should be consistent with the EOP of the authority or AHJs. Motorsports venues are designed in different configurations, based on the motorsports event type that takes place at the venue. Venues can include, but are not limited to, ovals, drag strips, road courses, street circuits, arenas, major venues, and multi-use venues. The venue might be located within a major city or in a rural area. Due to these variables, it is important that the venue, when preparing an IAP, work closely with the local providers of emergency services to incorporate its plan into their community emergency plan. Nontraditional events might require special consideration, especially where multiple jurisdictions are involved.
- **4.5.2** The venue might be responsible for meeting the requirements placed on it by the AHJs beyond the guidelines given in this document.

#### 4.6 Management Structure.

- **4.6.1** The IAP should define a management structure for handling emergency situations.
- **4.6.2** The management structure should be based on an incident management system (IMS) consistent with NFPA 1561.
- **4.6.2.1** For Level I and Level II motorsports events, the IAP can depend on the expertise and resources of outside responding agencies and personnel to initiate response and manage the emergency based on NIMS.
- Δ 4.6.2.2 For Level III motorsports events, event/venue officials and responders should provide a coordinated response based on NIMS.
  - **4.6.3** The IAP should provide for the coordination of efforts by the wide variety of agencies that might interact during an incident, including event staff, local agencies, state agencies, and federal authorities.
  - **4.6.4** The IAP should be provided to all agencies identified in the plan, and such agencies should acknowledge their participating roles in the plan.
  - **4.6.5** The IAP should provide for unified command with an incident commander (IC) and a predefined command post location. For Level I motorsports events, such a command post location could be a designated meeting location where coordinators for each of the emergency operations could gather. For Level II and Level III motorsports events, the command post might be a fixed facility equipped with communications and command/control technology.
  - **4.6.6** The IAP should establish a predetermined area for staging of resources, giving consideration to arrival and departure access.
  - **4.6.7** The IAP should provide for the creation and distribution to participating agencies designated in the plan and to onsite personnel of current site location information that includes significant features on the property. This information could be disseminated as a map. However, to provide more flexibility, some features, such as gates, might be better described as being located near a seating section or a particular building, rather than being included as part of a map detail.
  - **4.7 IAP Components.** The IAP should contain the components specified in 4.7.1 through 4.7.10.4 for all motorsports venues, motorsports events, or both. The amount of detail included for each component is dependent on the motorsports event level, the identified hazards of the motorsports event, and the IAP checklist (*see Figure 4.12*).

#### 4.7.1 Fire Protection Component.

**4.7.1.1** The IAP should include fire protection information for the motorsports venue, motorsports event, or both. It is important that the plan include information on any materials that present a fire hazard specific to the event, including their location, the quantity of materials, and how the materials are distributed, together with the impact the presence of the materials could have on the event or on the persons present at the event.

- **4.7.1.2** The IAP should include information on the fire protection available at the motorsports venue. This could include information related to fire alarm systems, standpipe systems, sprinkler systems, fire extinguishing systems, and fire hydrants or other available water resources. The identification of the agencies and a method to contact those responsible for the maintenance or repair of these fire protection systems are important if a system needs repair.
- **4.7.1.3** To supplement the fixed fire protection, an inventory of fire suppression vehicles and equipment scheduled to be on the property and the methods of contact for agencies and management personnel responsible for response to fire-related scenarios should be part of the IAP.

#### 4.7.2 Traffic Control Component.

- **4.7.2.1** The traffic control component should include plans for inbound and outbound flow of emergency vehicles and provisions for emergency evacuation of all or part of the site.
- Δ 4.7.2.2 The traffic control component should include the identification and method of contact for the agencies, persons, or both responsible for traffic flow management and emergency traffic scenarios.
  - **4.7.3 Emergency Medical Services (EMS) Component.** The IAP should include EMS response information for the motorsports venue, motorsports event, or both.
  - **4.7.3.1** EMS response information generally should include an inventory of EMS equipment and staffing scheduled to be at the motorsports venue as well as the identification and method of contact of agencies and management personnel responsible for response to a medical emergency.
  - **4.7.3.2** The IAP should identify the emergency medical care provided at the motorsports event and the procedure for obtaining an additional level of care or a higher level of care if necessary.
  - **4.7.4 Multi-Casualty Incident (MCI).** The IAP should identify agencies that would respond to a multi-casualty incident (MCI). This should include a method of contact, names of management or supervisory personnel, and resources expected to respond from those agencies.
  - **4.7.5** Active Shooter/Hostile Event Response (ASHER). The IAP should consider the response to active shooter/hostile event (ASHE) incidents. Planning for these types of incidents should be in accordance with *NFPA 3000*.

#### 4.7.6 Hazardous Materials Incidents.

- **4.7.6.1** The IAP should identify any necessary resources anticipated to mitigate any hazardous materials incident that impacts the motorsports venue.
- △ 4.7.6.2 The IAP should include information on the location of the safety data sheet (SDS) for hazardous materials.
- **N 4.7.6.4** The IAP should include plans for preventing and mitigating the impact on the environment from the motorsports event. Local laws and regulations should be considered.

### 4.7.7 Environmentally Threatening Incidents, Including Weather-Related Problems.

- **4.7.7.1** The IAP should consider the management of weather-related and environmental problems, including factors such as the geographic location of the motorsports venue and conditions unique to the local area or time of year.
- **4.7.7.2** The IAP should contain procedures for the following:
- (1) Receipt of weather and other emergency warnings
- (2) Event cancellation prior to or after the start of activities
- (3) Notification of warnings to participants, staff, and guests
- (4) Evacuating, sheltering, or providing direction to people potentially affected by the threat
- **4.7.7.3** Planning should consider conditions that can adversely impact a motorsports event, such as the following:
- (1) Simultaneous events at other nearby venues
- Government-declared emergencies or warnings, such as predicted deteriorating weather or environmental problems
- (3) Proximity to other locations or operations with the potential for creating environmental hazards, such as rail yards, manufacturing facilities, and nuclear power plants
- △ 4.7.8 Relocation/Evacuation. Planning for the complete or partial relocation/evacuation of a motorsports venue should include the following:
  - (1) Person(s) authorized to order the relocation/evacuation prior to or after the start of activities
  - (2) Consideration of the estimated time to complete the relocation/evacuation
  - (3) Notification procedure for the relocation/evacuation of participants, staff, and guests
  - (4) Assistance and resources needed to effect an orderly relocation/evacuation
  - (5) Availability and use of shelters on or off site
  - **4.7.9 Resources.** The IAP should consider the use of available resources to deal with an emergency situation.
- **A 4.7.9.1 Personnel.** The IAP should describe each position key to the provisions of the plan and the primary responsibilities of that position as it relates to the plan. Personnel resources that the plan might identify include the following:
  - (1) Event/venue officials and staff
  - (2) Sanctioning body staff/officials
  - (3) Marshal(s)
  - (4) Security personnel
  - (5) Firefighting personnel for the competition areas, pit areas, and public areas
  - (6) EMS and rescue personnel for the competition areas, pit areas, and public areas
  - (7) Emergency management representatives
  - (8) Contracted service providers
  - (9) Competition area clean-up and recovery personnel
  - **4.7.9.2 Equipment and Supplies.** The IAP should identify and determine the availability of internal and external resources that could be used in an emergency situation, such as the following:
    - (1) Heavy equipment
    - (2) Generators
    - (3) Power tools
    - (4) Traffic barriers

- (5) Fencing
- (6) Construction materials
- (7) Firefighting equipment
- (8) Technical rescue equipment
- (9) Portable lighting
- (10) Patient care equipment and multi-casualty equipment
- (11) Refrigeration facilities
- (12) Welding and cutting tools
- (13) Debris removal equipment
- (14) Liquid spill mitigation equipment
- (15) Hazardous waste mitigation equipment
- **4.7.9.3 Transportation.** The IAP should identify and determine the availability of transportation resources that could be used in an emergency situation, such as the following:
- (1) Trams
- (2) Tractors
- (3) Buses
- (4) Trucks
- (5) Personal vehicles
- (6) Agency vehicles available for movement of personnel and victims

#### 4.7.10 Communication Component.

- **4.7.10.1** The IAP should include an emergency communication component to establish coordination of all communication systems operating at the motorsports event, including the following:
- Public address system and digital message board (if available)
- (2) Broadcast radio frequency for public announcements
- (3) Two-way radio system, channel assignments, or both
- (4) Telephone systems (internal and external)
- (5) Cell/satellite systems information
- (6) Data systems
- (7) Social media
- **4.7.10.2** Consideration should be given to communication challenges that might arise, especially during an incident, such as the following:
- (1) Communication with marshals, response personnel, and administrative/event staff
- (2) Notification of guests and participants
- (3) Communication with the public, including the following:
  - (a) Communication with the news media
  - (b) Authorized release of information and the wording of media releases
  - (c) Locations for interviews or press conferences

- (d) Identification of contacts to provide information
- (4) Communication systems failures due to equipment failure, interference, or systems overload
- △ 4.7.10.3 Where a backup communication system is identified, it should use a different technology than the primary system so that a failure is unlikely to affect both systems.
  - **4.7.10.4** Pre-event testing of communication systems should be part of the IAP. It might not be possible to test some parts of the system until the event is in full progress. At that time, problems related to equipment positioning and radio channel interference might first become apparent, and alternatives should be considered.

#### 4.8 Local Emergency Response Agreements.

- **4.8.1** Prior arrangements with outside agencies for assistance with resources such as fire, rescue, law enforcement, EMS, and contracted services should be established where needed.
- **4.8.2** Motorsports events that might require multi-jurisdictional response should be identified.

#### 4.9 Critical Incident Stress Management (CISM).

- **4.9.1** Personnel present at the motorsports venue could be exposed to incidents that cause a strong adverse emotional reaction, whether immediate or delayed. The IAP should identify methods to provide behavioral health resources or support to adversely affected personnel.
- **4.9.2** CISM and peer support behavioral health resources should be identified and included in the plan.
- **4.9.3** Local EMS, police, fire agencies, or mental health providers might provide these resources.
- **4.10 Death at the Venue.** The IAP should include procedures in compliance with local statutes for reporting and responding to a death at the venue.

#### 4.11 IAP Review.

- **4.11.1** The IAP should be reviewed periodically and changed as appropriate to meet current or future conditions.
- **4.11.2** A post-incident review should be held with participating agencies to identify practices that could benefit from additional attention or plan revision.
- **4.12 IAP Checklist.** The use of a checklist might help motorsports event organizers verify that their IAP has addressed all appropriate elements. Figure 4.12 shows an IAP checklist that can be modified as appropriate to fit local needs.

#### MOTORSPORTS EVENT INCIDENT ACTION PLAN (IAP) CHECKLIST

"□" Indicates an item that should be considered in the IAP for the indicated level.

	Motorsports Event Level			
IAP Component	I	II	III	Assistance Needed and Possible Resources
Plan distribution				
Local public safety				
Sanction body				
Event coordinator				
Track management	0			
Subcontractors				
Management structure				
Incident Commander				
Operations Officer				
Safety Officer				
Unified command				
Personnel				
Liaison Officer				
Communications Officer				
Public Information Officer			۵	
Other positions				
Responsibility of competition area personnel detailed		٥	۵	
Consistent with and coordinated with emergency operations plans of authorities having jurisdiction	٠	٠	٠	
Consistent with and coordinated with sanctioning body requirements	٥	٦	٥	
Access to on-site emergency services				
Access to off-site emergency services				
Command post identified				
Resource staging location identified		٠		
Communications system				
On-site				
Off-site				
Radio				
Telephone				
Centralized system				
Testing of system				
Release of information to media considered			۵	
Site maps				
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 $\Delta$  FIGURE 4.12 Checklist for Verifying Completeness of a Motorsports Event IAP.

#### MOTORSPORTS EVENT INCIDENT ACTION PLAN (IAP) CHECKLIST (Continued)

"□" Indicates an item that should be considered in the IAP for the indicated level.

	Motorsports Event Level			
IAP Component	I	II	III	Assistance Needed and Possible Resources
Fire protection plan				
Hazards identified			ت ا	
Equipment resources				
On-site				
Off-site				
Personnel resources				
On-site				
Off-site				
Traffic control				
On-site			۵	
Off-site				
Emergency medical services (EMS)				
On-site				
Off-site		۵	۵	
Does the IAP include methods for handling				
the following? Multi-casualty incidents (MCIs)				
Active shooter/hostile event (ASHE)				
Hazardous materials incidents				
Environmental and weather incidents				
Evacuation decisions, process, and notification				
methods		-	_	
Death at the venue		٥		
Critical incident stress management			ت ا	
Process identified for receiving government, weather, and other warnings		۵	٥	
Evacuation resources identified				
Arrangements for requesting and receiving outside assistance when necessary			۵	
Process for amending and updating plan		٥		
	1	1		
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#### Chapter 5 Training

#### 5.1 General.

- **5.1.1** Any paid or volunteer personnel having an assignment or defined responsibility with a motorsports facility or serving a designated function at a motorsports venue should be informed or trained using the levels defined in Sections 5.2 through 5.6 commensurate with their assigned function. Personnel performing the described assignments should receive periodic, updated training.
- **\( \Delta 5.1.2 \)** Training to meet Sections 5.2 through 5.6 should be conducted by personnel who are qualified through formal training and have experience in this field. (See Annex C.)

#### 5.2 Motorsports Safety Awareness Level.

- **5.2.1** Persons functioning at the motorsports awareness level should be informed of the facilities and the possible hazards, how to call for assistance, and their role, if any, in the incident action plan (IAP). This information, if applicable, should include the following:
- Recognition of what hazards exist in their area of operation and the potential incidents associated with those hazards
- Recognition of the presence of a hazardous situation or safety threat
- (3) Identification of an emergency incident
- (4) Familiarization of basic safety measures to take to protect themselves from the risks associated with the incident
- (5) Realization of the need for immediate assistance and the ability to make appropriate notifications as identified in the IAP
- (6) Familiarization of reasonable and prudent initial actions that might reduce the severity of the incident
- (7) Familiarization of the existence of the incident management system (IMS) and the public relations plan
- (8) Knowledge of venue features and access/egress points
- **5.2.2** It is not the intent of this guide to expect someone informed at the awareness level to take an aggressive role in reducing the severity of the incident. However, there might be actions the person could take as they move to a safe area, such as closing a door, shutting off a fuel valve on a burner, shutting off a power switch, or directing people away from the incident area, as these actions could reduce the severity of the incident without jeopardizing their own safety.
- **5.2.3** The motorsports safety awareness level training might be accomplished with a briefing and/or handout that can include a map.

#### 5.3 Motorsports Safety Operations Level.

- **5.3.1** Persons expected to function at the motorsports safety operations level should be informed to the motorsports safety awareness level; have knowledge of the facilities and the event-specific hazards; know how to call for emergency assistance; have the knowledge, skill, and ability to take first emergency mitigation actions in their areas of operation; and understand their role in the IAP.
- **5.3.2** Persons trained to the motorsports safety operations-level might include competition area clean-up personnel, repair and maintenance workers, off-track emergency response personnel, competition area emergency medical personnel (nonrescue), marshals, vehicle recovery personnel, security

personnel, and event/venue officials. Training programs should be identified that can assist the individual in developing the knowledge, skills, and ability to do the following:

- (1) Recognize and identify hazards
- (2) Select and properly use personal protective equipment (PPE) appropriate to the function or assignment
- (3) Function within an assigned role in the National Incident Management System (NIMS)
- (4) Suppress incipient stage fires with a portable fire extinguisher
- (5) Perform hazard control operations, incident mitigation, and extrication operations within the capabilities of the resources and PPE available in their areas of operation
- (6) Use basic equipment and follow established emergency guidelines
- (7) Take appropriate measures to assist or rescue victims
- (8) Implement procedures to return to routine operation

#### **Δ** 5.4 Motorsports Safety Technician Level.

- **5.4.1** Persons expected to function at the motorsports safety technician level should have the knowledge, skills, and ability of the motorsports safety operations level; have knowledge of the facilities and the event-specific hazards; have the knowledge, skill, and ability to take emergency mitigation actions in their areas of operation; and understand their role in the IAP.
- **5.4.2** Persons trained to the motorsports safety technician level might include pit area firefighters, track firefighters, and combination or cross-trained personnel responsible for extrication, rescue, and/or emergency medical services (EMS). Training programs should be identified that can assist the individual in developing the knowledge, skill, and ability to do the following:
  - (1) Implement the venue's IAP
  - (2) Function within an assigned role in the NIMS
  - (3) Select and use proper PPE for the technician level
  - (4) Use hazard and risk assessment techniques
  - (5) Suppress fires that are commonly expected at the venue/event or in their specific assignment, given adequate equipment
  - (6) Perform advanced hazard control operations, incident mitigation, and rescue operations within the capabilities of the resources and PPE available in their areas of operation
  - (7) Extricate or remove victims
  - (8) Conduct basic patient assessment, initiate patient care, and call for advanced medical support
- (9) Identify the type of competitive vehicles and specific features and hazards associated with those vehicles
- (10) Use event-specific special equipment, including power tools used to cut or remove vehicle body and structural components
- (11) Apply the relevant standard operating procedures guidelines
- (12) Implement the procedures to return to routine opera-
- (13) Drive and operate an on-track emergency response vehi-

#### **△** 5.5 Motorsports Safety Specialist Level.

**5.5.1** Persons expected to function to the motorsports safety specialist level should have the knowledge, skills, and ability of the motorsports safety operations level; have knowledge of the facilities and the event-specific hazards; have a specific knowl-

edge, skill, or ability to take specialized mitigation actions in their demonstrated areas of expertise; and understand their role in the IAP.

- 5.5.2 Persons trained to the motorsports safety specialist level might include on-track physicians; hazardous entry, stabilization, and extrication specialists; recovery vehicle operators; and specialized track maintenance personnel. Training programs should be identified that can assist the individual in developing the knowledge, skill, and ability to do the following:
- Select, apply, and use specialized equipment, PPE, and procedures necessary to perform their assigned function
- (2) Perform specific and specialized hazard control operations, incident mitigation, or extrication operations within the capabilities of the resources in their specific areas of operation
- **5.6 Motorsports Safety Command/Manager Level.** Persons expected to function to the motorsports safety command/manager level should have the knowledge, skills, and ability of the motorsports safety operations level; have detailed knowledge of the facilities and the event-specific hazards; have the knowledge, skill, and ability to command or direct emergency mitigation actions; and understand all roles in the IAP. Training programs should be identified that can assist the individual in developing the knowledge, skill, and ability to do the following:
- (1) Implement and direct the IMS
- (2) Implement and manage the event/venue IAP
- (3) Monitor the hazards and risks associated with personnel working in motorsports safety roles
- (4) Activate and coordinate with external emergency resources
- (5) Coordinate with the AHJ

#### Chapter 6 Personal Protective Equipment (PPE)

#### 6.1 General.

- **6.1.1** All personnel with assigned responsibilities at a motor-sports venue should wear appropriate personal protective equipment (PPE) commensurate with the hazards associated with their assignment, as determined by a risk assessment.
- **6.1.1.1** All PPE should meet the requirements of the current edition of its appropriate specification.
- **6.1.2** A PPE program should be established that might contain such items as the following:
- (1) PPE selection and use (See Annex  $\overline{D}$ .)
- (2) Storage, maintenance, and inspection procedures
- (3) Training considerations
- **6.1.3** Personnel functioning in multiple capacities should wear PPE commensurate with the task associated with the highest level of exposure. For example, personnel whose primary responsibility is emergency medical service (EMS) might also be responsible for firefighting. When such personnel are performing the more hazardous duty, in this case firefighting, they should be protected to that higher level when performing that task. Therefore, members can be attired in their EMS uniform, while having the firefighting PPE available for use when a fire occurs.
- **6.1.4** PPE should be selected and used in accordance with the manufacturer's instructions.

- **6.1.5** During selection of PPE, careful consideration should be given to fit and comfort. PPE that fits poorly will not afford the necessary protection. Initial and continued wearing of the PPE are more likely if it fits the wearer comfortably.
- **6.1.6** PPE should be maintained and stored in accordance with the manufacturer's instructions.
- **6.1.7** PPE alone should not be relied on to provide all levels of protection against all hazards.
- **6.1.7.1** PPE should be used in conjunction with proper use of tools and equipment, proper training, standard operating guidelines, and deployment of personnel to minimize the risk(s) to responders.
- **6.1.7.2** PPE meeting the requirements of a standard or specification is designed to provide a specific level of protection and should not be used beyond the level for which it is intended.

#### **6.2** Eye Protection.

- **6.2.1** Care should be taken to recognize the possibility of multiple and simultaneous exposure to a variety of eye hazards. A list of the hazards expected to be encountered should be developed. Examples of the expected hazards are impact from flying debris, dust, heat, chemical splash, bloodborne pathogens, glare, and optical radiation from welding or a cutting torch.
- **6.2.2** Personnel exposed to a potential hazard or dealing with a specific incident should use primary face and eye protection appropriate for that given specific hazard.
- **6.2.3** Face and eye protection should meet the requirements of 29 CFR 1910.133, "Eye and face protection," or ANSI/ISEA Z87.1, *American National Standard for Occupational and Educational Personal Eye and Face Protection Devices*.
- **6.2.4** Emergency medical personnel or others with potential exposure to bloodborne pathogens should wear eye protection in accordance with the requirements of 29 CFR 1910.1030, "Bloodborne pathogens."
- **6.2.5** Persons whose vision requires the use of prescription lenses should wear either protective devices fitted with prescription lenses or protective devices designed to be worn over regular prescription eyewear when required.
- **6.2.6** Wearers of contact lenses should wear appropriate eye and face protection devices in a hazardous environment. Dust, high heat, or chemical environments might represent an additional hazard to contact lens wearers.

#### 6.3 Foot Protection.

- **6.3.1** All personnel with assigned responsibilities at a motor-sports venue should wear appropriate protective footwear commensurate with the hazards associated with their assignment. The footwear appropriate for motorsports emergency response can be variable.
- **6.3.2** Competition area clean-up personnel, vehicle recovery personnel, marshals, and EMS personnel should wear appropriate closed-toe protective footwear commensurate with the tasks they routinely perform.
- **6.3.2.1** Purpose-built shoes designed expressly for the needs of an emergency response team can be used but should consist of a sole with heel, totally enclosed upper of leather or heat- and flame-resistant material, insole, and shank, and should provide

some amount of penetration, impact, and compression protection. Both the sole and heel should be of nonslip tread. Additional considerations should include double-welt construction, toe and metatarsal protection, and bloodborne pathogen protection.

**6.3.2.2** Boots that meet the requirements of NFPA 1951, NFPA 1977, NFPA 1971, or ASTM F2413, *Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear*, are examples of boots that could be chosen. These standards are noted for guidance and suggestion and are not intended to limit the user.

#### 6.4 Hand Protection.

- **6.4.1** The activities of each function should be studied to determine the degree of dexterity required and the duration, frequency, and degree of exposure to the hazard. No single glove can provide protection against all potential hand hazards.
- **6.4.2** Competition area clean-up personnel and vehicle recovery personnel should wear gloves that provide protection from heat, sharp objects, or rough surfaces.
- **6.4.3** Personnel engaged in firefighting should wear gloves that provide thermal protection, conductive heat resistance, flame resistance, cut resistance, puncture resistance, dexterity, and grip characteristics. Gloves that meet the requirements of NFPA 1971 or NFPA 1977 (protective work glove only) are examples of gloves that could be chosen. These standards are noted for guidance and suggestion and are not intended to limit the user.
- **6.4.4** Personnel engaged in extrication should wear gloves that provide thermal protection, conductive heat resistance, cut resistance, puncture resistance, dexterity, and grip characteristics. Gloves that meet the requirements of NFPA 1951, NFPA 1971, or NFPA 1977 (protective work glove only), are examples of gloves that could be chosen. These standards are noted for guidance and suggestion and are not intended to limit the user.
- **6.4.5** Personnel should wear emergency medical gloves when providing emergency medical care that exposes them to the hazards of bloodborne pathogens.
- **6.4.5.1** Medical gloves should be single-use, be disposable, and meet the requirements of ASTM D3578, *Standard Specification for Rubber Examination Gloves*.
- **6.4.5.2** Universal precautions should be followed when treating any victim of illness or injury. Different localities and jurisdictions mandate different levels of protection for the worker. NFPA 1581 and 29 CFR 1910.1030, "Bloodborne pathogens," can be used as reference to determine the proper level of protection for the worker.

#### 6.5 Head Protection.

#### 6.5.1 Thermal Protection.

- **6.5.1.1** Thermal protection should be provided by a protective hood designed to provide limited protection to the head, face, and neck.
- **6.5.1.2** Firefighters, while involved in fire suppression operations, should wear a hood that meets the requirements of NFPA 1971.

**6.5.1.3** EMS and rescue personnel who might be exposed to flash fire should wear a hood that meets the requirements of NFPA 1971 or SFI Spec 3.3, *Driver Accessories*.

#### 6.5.2 Impact Protection.

- **6.5.2.1** Personnel riding in or on response vehicles should be seated and restrained with a safety belt at all times while the vehicle is in motion.
- Δ 6.5.2.2 Personnel riding in or on response vehicles while performing a job function that cannot be seated and belted should wear impact protection that provides protection for the head. Some examples of head protection that could be worn by personnel exposed to falls from moving vehicles include, but are not limited to, helmets that meet the requirements of the following standards:
  - (1) Snell SA2010, Standard for Protective Headgear for Use in Competitive Automotive Sports or for Use in Kart Racing
  - (2) Snell SA2015, Standard for Protective Headgear for Use in Competitive Automotive Sports
  - (3) Snell SA2020, Special Applications Standard for Protective Headgear for Use in Competitive Automotive Sports
  - (4) Snell M2010, M2015, or M2020, Standard for Protective Headgear for Use with Motorcycles and other Motorized Vehicles
  - (5) SFI Spec 31.1, Flame Resistant Motorsports Helmets
  - (6) SFI Spec 41.1, Motorsports Helmet
  - (7) DOT 49 CFR 571.218
- △ 6.5.2.3 Firefighters who are exposed to the hazards of flying debris and tools should wear head protection that provides impact protection. Some examples of protection that could be worn include, but are not limited to, helmets that meet the requirements of the following standards:
  - (1) NFPA 1951
  - (2) NFPA 1971
  - (3) Snell SA2010, Standard for Protective Headgear for Use in Competitive Automotive Sports or for Use in Kart Racing
  - (4) Snell SA2015, Standard for Protective Headgear for Use in Competitive Automotive Sports
  - (5) Snell SA2020, Special Applications Standard for Protective Headgear for Use in Competitive Automotive Sports
  - (6) Snell M2010, M2015, and M2020, Standard for Protective Headgear for Use with Motorcycles and other Motorized Vehicles
  - (7) SFI Spec 31.1, Flame Resistant Motorsports Helmet
  - (8) SFI Spec 41.1, Motorsports Helmet
  - (9) DOT 49 CFR 571.218
  - **6.6 Hearing Protection.** Hearing protection should be worn by all personnel exposed to high noise–level hazards in accordance with 29 CFR 1910.95, "Occupational noise exposure."

#### 6.7 Torso Protection.

- **6.7.1** Firefighters and rescue personnel have the potential to be exposed to both flash fires and running fuel fires and should be protected from the dangers of both as well as the radiant heat expected while engaged in firefighting operations.
- **6.7.2** Firefighters and certain rescue personnel who actively engage in or are exposed to the hazards of firefighting should wear a protective garment that meets or exceeds the requirements of NFPA 1971.
- **6.7.2.1** Alternatively, a protective garment that meets or exceeds the requirements of SFI Spec 3.2A, *Driver Suits*, can be used only when worn in conjunction with fire-resistant thermal

protective underwear that meets the requirements of SFI Spec 3.3, Driver Accessories.

- **6.7.2.2** Personnel who actively engage in or are exposed to the hazards of firefighting should avoid wearing clothing that is considered unsafe due to poor thermal stability or poor flameresistant characteristics, such as nylon or polyester. Such garments could cause injury to the wearer despite the appropriate protective garments worn over or under such clothing.
- **6.7.3** EMS personnel or rescue personnel who are actively engaged in extrication that exposes them to flash fires should wear a protective garment that meets the requirements of NFPA 1951, NFPA 1977, or SFI Spec 3.2A, Driver Suits.
- **6.7.3.1** EMS personnel who do not participate in extrication should be protected as outlined in 6.7.5. Flame-resistant thermal protective underwear that meets the requirements of SFI Spec 3.3, *Driver Accessories*, should be worn under an SFI Spec 3.2A-rated protective garment.
- **6.7.4** Competition area clean-up personnel, vehicle recovery personnel, and marshals should wear cotton, wool, or similarly flame-retardant, long-sleeved, long-legged clothing.
- 6.7.5 All EMS personnel should use appropriate PPE when providing emergency medical care that potentially exposes them to the hazards of bloodborne pathogens. The federal OSHA standard 29 CFR 1910.1030(d)(3)(i), "Bloodborne pathogens: Personal protective equipment," defines personal protective equipment as "appropriate" only if it does not permit blood or other potentially infectious materials to pass through to or reach the employee's work clothes, street clothes, undergarments, skin, eyes, mouth, or other mucous membranes under normal conditions of use and for the duration of time that the protective equipment will be used.
- 6.7.6 Personnel operating at motorsports events should be attired in clothing that provides function identification and maximum visibility within the operational environment.
- **6.7.7** Protective garments with fluorescent and/or retroreflective trim permanently attached to the outer layer of protective garments to provide visibility should be considered. Some garments meeting NFPA PPE standards will already meet this requirement. If other protective garments do not already have fluorescent and/or retroreflective properties, a secondary garment such as a vest that meets the requirements of ANSI/ ISEA 107, American National Standard for High-Visibility Safety Apparel, should be worn.

#### Chapter 7 Equipment

- 7.1 General. The goal of emergency response personnel at any motorsports event/venue is to respond to an incident with minimal delay and with the necessary equipment to handle the incident and to protect persons from further injury.
- △ 7.2 Fire Suppression Equipment. Fire suppression equipment should be available for immediate deployment at a motorsports venue. Fire extinguishers or other firefighting equipment should also be available in, but not limited to, competition areas and areas designated for working on competitive vehicles. These areas can include garages, paddock areas, staging areas, and pit areas not adjacent to the competition area. Fire extinguishers should also be available anywhere fuel is handled, transferred, or stored. Such equipment is the first line of

defense against fire. Fire suppression equipment can be divided into two categories: portable fire extinguishers and motorized firefighting vehicles.

- 7.2.1 Portable Extinguishers. NFPA 10 provides detailed information about the selection, use, installation, and maintenance of portable fire extinguishers.
- **7.2.1.1** The five common classes of fires are as follows:
- Class A, which are fires in ordinary combustible materials such as wood, paper, cloth, rubber, and many plastics.
- Class B, which are fires in flammable liquids such as gasoline, alcohol, and nitromethane; and combustible liquids such as diesel oil, motor oil, and greases.
- Class C, which are fires that involve energized electrical equipment. Water should not be used on energized electrical equipment, since it exposes the user to the risk of electrocution.
- Class D, which are fires in combustible metals, such as magnesium and titanium. Application of water on combustible metals might cause a violent reaction.
- Class K, which are fires in cooking appliances that involve combustible cooking media (vegetable or animal oils and fats).
- 7.2.1.2\* Only listed and labeled portable fire extinguishers should be used, to ensure that compliance with minimum construction and performance requirements has been met.
- $\triangle$  7.2.1.3 The size of the portable fire extinguisher should be matched to the hazard that is being protected. The extinguisher or a combination of extinguishers must be able to extinguish the various types of fires that might occur in each area to be protected. In the case of exotic fuels or special hazards, it might be necessary to refer to safety data sheets (SDSs) for health hazards and special firefighting agents or equipment that should be used. Some materials used in the construction of motorsports vehicles might present health hazards, unique extinguishing requirements, or both.
- △ 7.2.1.4 Dry chemical extinguishers having a minimum agent capacity of 10 lb (4.54 kg) and a discharge rate of at least 1 lb/sec (0.45 kg/sec) or more should be available.
  - 7.2.1.5\* Each fire extinguisher should be inspected and maintained as recommended by the manufacturer service manual before each deployment for a motorsports event.
  - 7.2.1.6 Each extinguisher should be maintained annually by a trained and certified fire extinguisher service technician.
  - **7.2.1.7** An adequate supply of replacement units should be on hand and available to be deployed prior to resuming the motorsports event.
  - **7.2.1.8** Fire extinguishers should be placed at intervals around the competition area to facilitate rapid deployment and application. It might also be necessary to provide other types of suppression agents or backup fire suppression capabilities such as water buckets or supplied water hose reels. It is important that properly trained personnel are stationed near the extinguishers to minimize response time during a fire.
- Δ 7.2.1.9 Fire extinguishers or other firefighting equipment should also be available in areas designated for working on competitive vehicles. These areas can include garages, paddock areas, staging areas, and pit areas not adjacent to the competition area. Fire extinguishers should also be available anywhere

fuel is transferred from one container to another, whether from fuel storage facilities to a vehicle or intermediate container or from an intermediate container to a vehicle.

- **7.2.2 Motorized Firefighting Vehicles/Apparatus.** A motorized firefighting vehicle should be provided where the distances are such that there is not time for a sufficient number of emergency response personnel with portable extinguishers to respond on foot, or where there is a potential need for firefighting capability beyond that which can be delivered with portable fire extinguishers. The size and layout of the competition area to be covered, the access points, and the type of motorsports event to be held must all be considered when determining on-track fire suppression needs.
- **7.2.2.1** The motorized firefighting vehicle can be a specifically designed firefighting apparatus or a vehicle as simple as a pickup truck, quad-runner, or golf cart–type vehicle equipped with firefighting equipment.
- **7.2.2.2** The motorized firefighting vehicle should be equipped with a fire extinguishing agent(s) appropriate for the location and hazard expected to be encountered. Examples include, but are not limited to, the following:
- (1) A large listed and labeled portable fire extinguisher, mounted in or secured to the vehicle, containing about 125 lb (57 kg) or more of a dry chemical extinguishing agent that is discharged through a hose with a control nozzle at the end of the hose
- (2) A minimum 75 gal (285 L) water tank with a pump or a pressurized water tank and a minimum of 50 ft (15 m) of hose with appropriate firefighting nozzle, with consideration given to the following:
  - (a) In certain types of motorsports or with certain fuels, a fire suppression additive might be appropriate for use in the water.
  - (b) Fire suppression additives should be used in compliance with the equipment and additive manufacturers' recommendations.
- (3) A minimum 30 gal (115 L) capacity alcohol-resistant aqueous film-forming foam (AR-AFFF) system with a pump or pressurized tank and with a minimum of 50 ft (15 m) of hose and an appropriate firefighting nozzle
- (4) One or more of each of the following types of portable fire extinguishers:
  - (a) A dry chemical fire extinguisher having a minimum agent capacity of 20 lb (9.1 kg), a minimum 20 "B" rating, and minimum agent discharge flow rate of 1 lb/sec (0.45 kg/sec)
  - (b) Pressurized water-type fire extinguisher having a minimum agent capacity of 2.5 gal (9.5 L)
- (5) Fire extinguishers listed and labeled for Class D fires or special extinguishing agents appropriate for the special hazards of the motorsports type
- Δ 7.2.2.3 Competition area clean-up tools and equipment, such as those in the following list, should be provided on a motorized vehicle as appropriate for the type of motorsports event:
  - (1) Toolbox with common hand tools and seat belt cutter
  - Heavy tools such as a pry bar, bolt cutters, flat shovel, crowbar, sledgehammer, and crash axe
  - (3) Tow strap or rope of approximately 30 ft (10 m)
  - (4) Push brooms
  - Containers of coarse oil-absorbent material, fine oilabsorbent material, or both

- **7.2.2.4** All of the equipment carried on the vehicle should be securely mounted to the vehicle.
- **7.3 Extrication Equipment.** Rescue and extrication equipment to release a driver or any other persons trapped as a result of an incident within the venue should be available. Such equipment might include manual, electric, hydraulic, or otherwise powered spreaders and cutters.
- **7.3.1** Extrication cutting equipment should be sufficient to cut roll bars, the vehicle body, or cockpit materials of the type found in motorsports competitive vehicles expected at a motorsports event.
- **7.3.2** The equipment should be on site at the venue or close by with a local emergency response agency with the capability and willingness to respond to the venue.
- $\Delta$  7.3.3 All rescue tools should comply with NFPA 1936.
  - 7.4 Emergency Medical Services (EMS).
  - **7.4.1** EMS should be provided in accordance with the requirements of the local authority with responsibility for setting EMS requirements. Providing emergency medical capability on site should be considered, depending on the type of motorsports event and locally available resources.
  - **7.4.2** Ambulances and other EMS vehicles used at the venue should be equipped and staffed in accordance with the requirements of the AHJ. Methods of EMS delivery could include the following:
  - (1) Advanced life support (ALS) unit(s) on site
  - (2) Basic life support (BLS) unit(s) on site
  - (3) BLS or ALS equipped personnel on site with local medical transport available
  - (4) Off-site local emergency medical provider for a Level I motorsports event
  - **7.4.3** The number of units and the level of care should be in accordance with the incident action plan (IAP).
  - **7.5 Hazardous Materials Mitigation.** Equipment and materials to handle hazardous material spill mitigation and disposal should be available based on the hazardous materials present at the motorsports venue and the potential for a spill. The equipment and materials might vary depending on the design of the course and the type of motorsports event to be held. All containment and clean-up procedures should conform to federal, state, and local governmental regulations.
- △ 7.6 Competition Area Clean-Up Equipment. Competition area clean-up equipment should be available. This equipment might be as simple as brooms, shovels, and leaf/lawn blowers used with absorbent materials or as elaborate as special vehicles designed to spread and pick up items such as absorbent materials, motorized blowers or jets, street-type vacuums, and mechanized street brushes. The competition area clean-up equipment needed will depend on the competition area size and type and the motorsports event type.
  - **7.7 Communications.** Portable communications equipment should be provided to allow designated emergency response personnel to communicate with the event/venue official and with each other. Provisions should be made to communicate with off-site responders.

- **7.7.1** All on-track personnel should be provided with communications equipment and should refer to the IAP checklist for event scalability.
- **N 7.7.2** A secondary communications system should be considered.
- **N 7.7.3** For nontraditional events, multi-jurisdictional interoperability of communications systems should be considered for all aspects of the event. Amateur radio should be considered as a solution.
  - **7.8 Vehicle Recovery Equipment.** Vehicle recovery equipment includes boom-type tow trucks, flat bed tow trucks (rollbacks), or any other specialized equipment appropriate for removing crashed or disabled vehicles from the competition area. The type and amount of equipment will vary depending on the type of vehicles entered in the competition, the design of the particular competition area, and the urgency for resuming full racing competition.
- Δ 7.9 Vehicle Marking. Response vehicles used on a competition area where movement of competitive vehicles continues after an incident should be conspicuously marked and have appropriate visual warning devices. All on-course emergency, clean-up, or recovery vehicles should be equipped with some type of manually operated, portable visual warning devices to be deployed by personnel working on the competition area. These warning devices can include flags, lights, signs, paddles, or any combination thereof.
- Δ 7.10 Parking or Staging Areas. Safe parking areas, staging areas, or both should be provided for response vehicles. These response vehicles should be staged in proximity to the competition area for easy access but should be protected by barriers or space from potential collision with competition vehicles.

#### **Chapter 8 Operations**

**8.1 General.** The success of incident response operations does not depend only on incident action planning, training and equipping of personnel, and provision of equipment. It is equally important that all personnel understand the nature of the specific motorsports event and their roles in the incident response operations. Incident response operations can include nonemergency and emergency activity.

- **8.2 Review of Incident Action Plan (IAP).** The incident action plan (IAP) should be reviewed to ensure that all requirements for handling on-site incidents can be met with the resources available. Where the plan calls for using off-site resources, it should be verified that those resources have been contacted, are aware of the motorsports event, are available, and understand their role in the IAP.
- **8.3 Review of Operational Readiness.** The overall motorsports event emergency response operations checklist shown in Figure 8.3 is provided to assist the event/venue official in preparing for and providing emergency response. The event/venue official should adapt this checklist to the specific needs of the motorsports event/venue.

#### 8.4 Deployment.

- **8.4.1** Individual crews, including, but not limited to, fire crews, extrication crews, EMS crews, vehicle recovery crews, competition area clean-up crews, and marshals, should be provided with the following information to assist them in understanding, preparing for, and executing their role during an emergency:
- (1) Name of the individual to whom the crew reports and that individual's position in the chain of command
- (2) Name(s) of individual(s) to call if needs develop such as replacing a crew member or equipment
- (3) Names of all other members of the crew
- (4) Individual crew member assignments at the venue, including where each crew member is stationed and identification of each member's geographic area of responsibility
- (5) Identification of the appropriate personal protective equipment (PPE) that should be worn for the crew's assignment
- (6) Equipment provided for the assignment
- (7) Means of communicating the crew's status and needs(e.g., the radio channels to be used)
- (8) Time the crew is expected to start its assignment and when and how the assignment is considered complete
- (9) Identification of the method and circumstances under which the crew is to respond to render assistance
- **8.4.2** Figure 8.4.2 shows a form that, if completed, will provide staffing with the necessary information recommended in 8.4.1.

Event evaluated for potential fire and rescue needs	Vehicle recovery equipment
Type of event, i.e., competition, performance,	——— Adequate equipment available on site
training, demonstration, or testing	Equipment checked for proper operation
Type of participating vehicles	Equipment issued to persons expected to use it
Type of fuel and location fuel transfers take place	Equipment properly deployed
Number of spectators and their access to competition area	Additional equipment available off site Persons providing off-site equipment or service
Scale, geographic diversity, and jurisdictional borders of the event	are aware of event and their role  Clean-up equipment
Emergency services personnel	Adequate equipment available on site
-	Adequate equipment available on site Equipment checked for proper operation
Incident Commander assigned	Equipment issued to persons expected to use it
Sufficient and trained personnel available	Equipment issued to persons expected to use it  Equipment properly deployed
Personnel and crews assigned	Additional equipment available off site
Crew function(s) assigned	Persons providing off-site equipment or services
Equipped with proper PPE	aware of event and their role
Daily briefings conducted	Hazmat and environmental mitigation material
Specific operations checklists distributed	and expertise available
to individuals and crews	Communications systems and equipment
Fire suppression equipment	Adequate equipment available on site
Adequate equipment available on site	——— Primary communications equipment tested and operational
Equipment checked for proper operation	Secondary communications equipment tested and
Equipment issued to persons expected to use it	operational
Equipment properly deployed	—— Technical support for communications equipment
Backup supplies or inventories available	problems identified
Additional equipment available off site	— Unit designations/radio call sign assigned
Persons providing off-site equipment or service	Equipment issued to persons expected to use it
aware of event and their role	Equipment properly deployed
Rescue equipment	Deployment of emergency personnel
Adequate equipment available on site	Dispatch procedures in place
Equipment checked for proper operation	Emergency personnel briefed on when to respond
Equipment issued to persons expected to use it	Emergency personnel briefed on their role
Equipment properly deployed	at incident
Additional equipment available off site	Method of replenishing resources after use during the event identified
Persons providing off-site equipment or service	EMS supplies
aware of event and their role	——— Suppression agents
EMS equipment	——Staff
Adequate equipment available on site	Transportation plan in place to support security,
Equipment checked for proper operation	fire, rescue, EMS, and recovery operations
Equipment issued to persons expected to use it	Routing in and out of venue and access points
Equipment properly deployed	Movement of emergency vehicles within the venu
Additional equipment available off site	Helicopter landing zone identified
Persons providing off-site equipment or service aware of event and their role	——For a nontraditional event, road closures, detours, and contingency routes identified
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#### $\Delta$ FIGURE 8.3 Sample Motorsports Event Incident Operations Checklist.

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## INFORMATION SHEET (CIRCLE ONE) FIRE CREW, EXTRICATION CREW, EMS CREW, VEHICLE RECOVERY CREW, COMPETITION AREA CLEAN-UP CREW, MARSHAL

Event:	Date:
Crew designation:	
Crew reports to:	
Members of the crew:	
Crew chief/supervisor:	
Crew members:	
Crew station/assignment:	
Geographic area of responsibility:	
Personal protective equipment required for assignment:	
Tools and equipment required for assignment:	
Communications equipment required for assignment:	
Starting time of assignment:	
Release of assignment:	
Service is to be rendered under the following conditions:	
Contact for resolving needs or problems:	
Contact for situation updates:	
The crew chief/supervisor should ensure that all members of the crew and are familiar with and comfortable deploying and using the equip	
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△ FIGURE 8.4.2 Sample Form for Providing Information to Staffing.

#### Annex A Explanatory Material

Annex A is not a part of the recommendations of this NFPA document but is included for informational purposes only. This annex contains explanatory material, numbered to correspond with the applicable text paragraphs.

- Δ A.3.2.1 Approved. The National Fire Protection Association does not approve, inspect, or certify any installations, procedures, equipment, or materials nor does it approve or evaluate testing laboratories. In determining the acceptability of installations or procedures, equipment, or materials, the "authority having jurisdiction" may base acceptance on compliance with NFPA or other appropriate standards. In the absence of such standards, said authority may require evidence of proper installation, procedure, or use. The "authority having jurisdiction" may also refer to the listings or labeling practices of an organization that is concerned with product evaluations and is thus in a position to determine compliance with appropriate standards for the current production of listed items.
  - A.3.2.2 Authority Having Jurisdiction (AHJ). The phrase "authority having jurisdiction," or its acronym AHI, is used in NFPA standards in a broad manner because jurisdictions and approval agencies vary, as do their responsibilities. Where public safety is primary, the authority having jurisdiction may be a federal, state, local, or other regional department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, labor department, or health department; building official; electrical inspector; or others having statutory authority. For insurance purposes, an insurance inspection department, rating bureau, or other insurance company representative may be the authority having jurisdiction. In many circumstances, the property owner or his or her designated agent assumes the role of the authority having jurisdiction; at government installations, the commanding officer or departmental official may be the authority having jurisdiction.
  - **A.3.2.5 Listed.** The means for identifying listed equipment may vary for each organization concerned with product evaluation; some organizations do not recognize equipment as listed unless it is also labeled. The authority having jurisdiction should utilize the system employed by the listing organization to identify a listed product.
- **N A.3.3.1 Amateur Radio** (**Ham Radio**). Amateur radio operators are licensed by the government and can operate using repeater systems, signal, and frequency to communicate over long distances and where normal means of communications are not available.

Amateur radio is not limited by jurisdictional boundaries, allowing for coverage over a vast geographical event area.

- N A.3.3.9.1 Competition Area Clean-Up Personnel (Track Restoration Personnel, Track Services Personnel). Clean-up could include removal of debris and mitigation of liquid spills and other environmental hazards.
  - **A.3.3.9.4 Marshal.** Marshals are also referred to as flaggers, communicators, observers, course marshals, and pit marshals.
- **NA.3.3.23.2 Nontraditional Event.** This term is intended to address performance rally, road rally, rally sprint, off-road, and similar events held over vast areas of various surfaces, environments, or conditions. The scale and complexity of these events introduce special challenges for emergency planning, training,

personnel, and equipment. Such challenges can include the following:

- (1) Concurrent use of multiple locations across multiple jurisdictions
- (2) Involvement of multiple competition area surfaces or topographies
- (3) Presence of spectators under limited access or control
- (4) Increased response time and travel distance
- (5) Poor surface conditions for responders and equipment
- (6) Use of multiple types of race vehicles
- (7) Varied or unreliable communications infrastructure
- (8) Lack of standard training
- (9) Lack of fixed venue facilities and features, such as medical, security, response personnel, and track barriers
- (10) Special environmental concerns, such as spill clean-up, wildfire ignition risk, or impact on wildlife
- **A.3.3.32 National Incident Management System (NIMS).** To provide for interoperability and compatibility among federal, state, local, and tribal capabilities, the NIMS includes a core set of concepts, principles, and terminology. HSPD-5 identifies these as the incident command system (ICS); multi-agency coordination systems; training; identification and management of resources (including systems for classifying types of resources); qualification and certification; and the collection, tracking, and reporting of incident information and incident resources. [1561, 2020]
- **A.3.3.34 Paddock or Service Area.** At some motorsports events, the paddock area is referred to as the "pit area" or "garage."
- **A.7.2.1.2** For safety, only fire extinguishers properly designed, tested, and listed to comply with NFPA 10 requirements should be used. Extinguishers should not be modified, altered, or converted to use different extinguishing agents.
- **A.7.2.1.5** The person inspecting the extinguisher should look for evidence of damage, such as dents and corrosion. Persons performing extinguisher inspections should be properly instructed in how to verify that visual tamper inspection seals are intact and pressure gauges, if present, are properly charged for operation. The fire extinguisher nozzle should be examined to make certain that mud, insects, or insect nests have not blocked it. If there are any problems detected during the inspection, the extinguisher should be replaced immediately so that, in an emergency, a fully functional fire extinguisher will be available.

#### Annex B Sample Incident Action Plans

This annex is not a part of the recommendations of this NFPA document but is included for informational purposes only.

**B.1 Level I Motorsports Event.** Figure B.1 is an example of an incident action plan (IAP) for a Level I motorsports event. It is provided to show the depth of a plan for a small event that depends primarily on outside resources to handle incidents. Users of this document are invited to use this example as is or in a modified format in creating an IAP for their venue. This example can be modified to develop an IAP for a Level II motorsports event by adding needed items from the checklist in Figure 4.12.

## INCIDENT ACTION PLAN (IAP) FOR LEVEL I MOTORSPORTS EVENT **Contact Information** Anyone with questions regarding his or her role in the Incident Action Plan should contact the event director: Address \_\_ Telephone \_\_\_ Cell phone Fax number \_\_ **Statement of Purpose** This plan defines emergency response systems for on-track emergencies and off-track occurrences during speedway events. In the Event of an Emergency 1. Do not place yourself in danger of becoming a victim of the incident. 2. Call emergency dispatch at \_ \_\_\_\_\_. Provide the dispatcher with information regarding the nature of the incident, location, and best access point. 3. Take actions consistent with your training and experience to provide assistance and prevent additional injuries or damage to property while waiting for assistance to arrive. 4. As much as possible, prevent entry to the area by those not needed for assistance and preserve the scene for investigation of incident by authorities. 5. Notify the event director of the incident. 6. Coordination and direction of the emergency response will be handled by event emergency responders upon their arrival. **Communication During Event** Communications during the event will be handled by cell phone using direct connect and Family Radio Service radios using \_\_\_\_\_ and privacy code \_\_\_ **On-Site Hazards** The following hazards are located on the event site in the locations indicated. Compressed gases:

#### **△ FIGURE B.1** Sample IAP for Level I Motorsports Event.

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Propane tanks: \_\_\_\_

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INCIDENT ACTIO	N PLAN (IAP) FOR LEVI	EL I MOTORSPORTS EV	ENT (Continued)
On-Site Resources			
The following emergency respons	se resources are located on the eve	ent site in the location indicated.	
Fire extinguisher:			
First aid kit:			
Telephone:			
<b>Emergency Contacts</b>			
Outside assistance can be obtain	ed from the following resources: _		
Service	Contact	Telephone	Cell Phone
Fire, EMS, law enforcement emergency dispatch			
Event director			
Operations director			
EMS provider			
Hospital			
Towing service			
Specialized equipment			
Law enforcement			
Plan Distribution  Copies of this plan and the event of the event.	t schedule should be distributed to	local emergency services and oth	ners who should be aware
Plan Amendment			
This incident plan will be review annual basis by the event direct	red and updated, including confirm or.	nation of listed contact and phone	information, on an
Date of Last Review/Amendm	nent:		
Signed (Event Director):			
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**B.2 Level III Motorsports Event.** Figure B.2 is an example of an IAP for a Level III motorsports event. It is provided to show the depth of a typical plan in covering procedures, resources, and systems that should be in place during an incident at a motorsports venue. Users of this document are invited to use

portions of this example as is or in a modified format in creating an IAP for their venue. By deleting some items, this example could be modified to create an IAP for a Level II motorsports event.

# Incident Action Plan (IAP) for Level III Motorsports Event

#### **Contents**

(Page numbers correspond to those shown in the bottom right-hand corner.)

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#### △ FIGURE B.2 Sample IAP for Level III Motorsports Event.

Anyone with questions regarding his or her role in the Incident Action Plan should contact the Emergence	су
Services Coordinator:	

Name			
Address			
Telephone			
Pager			
E-mail			

#### **Statement of Purpose**

#### Introduction

Contact Information

The following Incident Action Plan provides procedures to protect people and property during an emergency or disaster situation. This plan also identifies and assigns personnel to various emergency tasks and responsibilities, thus creating the Site Emergency Team and defines emergency response systems for on-track emergencies and off-track occurrences. This plan also provides for coordination between the Site Emergency Team and government authorities to promote an effective response.

This document describes the emergency management procedures for handling incidents involving everything from minor single vehicle crashes to complex scenes requiring a variety of outside resources. Its primary intent is to give first responders, local fire departments, Emergency Medical Service (EMS) agencies, and track management an understanding of how they fit into the plan. After reading the plan, personnel should be able to answer the following questions:

- (1) What positions might I be required to fill?
- (2) Whom would I report to, and whom would I supervise in an emergency incident?
- (3) Where should I report in the event of an incident?

All personnel should familiarize themselves with this plan and be able to render assistance as needed in order to reduce injury, loss of life, and property damage. This document includes position descriptions and specific duties required for the positions. Some of the assignments are predetermined for individuals with specialized administrative or support functions.

#### **Incident Management System (IMS)**

#### **An Overview**

Emergency incidents on track property are managed using the Incident Management System (IMS). IMS (NFPA 1561, Standard on Emergency Services Incident Management System and Command Safety) is a nationally recognized system for managing emergency situations. It is a system with considerable flexibility, allowing it to grow or shrink based on the demands and magnitude of the situation.

A basic IMS operating guideline designates the person responsible for the incident as the "Incident Commander (IC)," who is responsible until authority is delegated to another person. Thus, in small situations (like an ambulance response to a call for help involving one victim), where additional personnel are not required, the IC will manage all aspects of the incident from beginning to end.

As the magnitude of the situation increases, the management structure expands. The goal is to expand the structure in such a way that no more than three to seven people report directly to any single person.

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Additional layers of management and branches to the management structure are pulled into play as required. An incident, for example, with ten victims is likely to be over quickly and will probably not require a Logistics/Support Section Chief. Instead, the IC will assign people to the duties coming under that Section Chief position as needed. An incident with a hundred victims, on the other hand, is likely to require that all positions on the organizational chart be filled.

In a worst case situation, with large numbers of victims and involvement by multiple agencies, the organizational structure evolves into one of "Unified Command," in which representatives of different agencies provide input and direction at the IC level.

Flexibility is a key element in the IMS. In the evolving emergency situation, positions shift as more appropriate or experienced people arrive. Initially, for example, the IC will be the most experienced person on the first unit to arrive. That person might become the Operations Section Chief when the track's designee arrives and assumes the position of IC, and then might be shifted to Transportation Group Leader as the operation expands. Flexibility helps ensure that personnel can be utilized to perform needed functions rather than waiting for specific work assigned to them in a written plan. The same flexibility also allows for changes in personnel at specific positions over time if an incident becomes prolonged.

#### Command

Overall command is the responsibility of the IC.

The IC may designate an Operations Section Chief, Medical Branch Director, Fire/Rescue Branch Director, Security Branch Director, and/or other appropriate supervisory personnel depending on the nature of the situation.

The IC is responsible for ensuring the safety of the scene, rescuers, and bystanders. The IC may appoint a Safety Officer to carry out this responsibility.

The IC is responsible for ensuring that adequate resources are summoned. Additional requested resources should report to the staging area for assignment.

The track physician/medical director provides on-site medical control. If the track physician/medical director is not available, then medical control resorts to the jurisdictional EMS agency/base hospital physician responsible for medical control under the local EMS regulations.

Law enforcement and/or security are responsible for securing the site for rescue operations.

Equipment, supplies, and personnel are assembled at the staging area, where they are inventoried and dispensed as needed.

#### **Creation of an Incident Command Post**

When an incident becomes complex enough to require the appointment of Section Chiefs and/or activation of outside resources, establishment of a command post is essential. The command post should be created at a location with good access and good communications capabilities. It is usually preferred that the command post not be right at the incident location. While the IC is responsible for selecting a location, the following are prearranged areas that could be used:

Possible Command Post Locations				
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#### **Response Levels**

The response to an emergency situation is dictated in part by the commitment of resources required to successfully resolve the problem. The Sample Speedway IAP defines four levels of responses for emergency services.

**Level A Response.** A level A response is an emergency that requires no more than the resources to manage one patient requiring advanced life support. Security may respond at its discretion or upon request.

**Level B Response.** An emergency that requires additional resources and manpower above those described for a level A response is defined as a level B response. A level B response includes situations with two or more patients requiring advanced life support or two patients meeting the "Immediate" criteria in the START triage system (see Figure 6). A level B response requires the naming of an Incident Command Post and announcement of the Incident Command location on the radio.

**Level C Response.** A level C response is an emergency requiring extensive resources, extrication, or other logistical support. A level C response includes situations with three or more patients requiring advanced life support or three or more patients falling in the "Immediate" category in the START triage system.

**Level D Response.** A sudden, unexpected or expected event that creates a situation **requiring outside mutual aid** for fire, EMS, and/or law enforcement support results in a level D response. The Medical Director, Fire/Safety Director, and/or a senior management official for the speedway normally declares this level.

#### The following items are required for both level C and level D responses:

- (1) The incident name and command post location is announced on the radio.
- (2) All incoming units report to the staging area.
- (3) The IC establishes the Operations Section.
- (4) The IC position is transferred to the speedway's senior management official or designee.
- (5) The Incident Management Team reports to its predesignated assignments.
- (6) The Incident Command Post is activated, and a Unified Command is established as needed with local law enforcement, EMS, and fire officials.

In a level D incident, it is essential that a jurisdictional fire agency official work directly with the designated Operations Chief to get the most out of the internal and external resources.

#### **Operational Overview**

Figure 1 shows how the IMS would function in a large multi-casualty incident (MCI). While its complexity may appear overwhelming at first, it can be used as a reminder of items that must be considered even in a smaller situation. For example, documentation of the evolving incident, handling of claims from injured rescue workers, and feeding workers as the incident becomes prolonged are items that could easily be overlooked.

#### **Level A Response**

At the time of the initial response to an incident, the first responding unit handles all command and general staff responsibilities. Additional arriving resources become triage and treatment personnel as dictated by the size of the incident.

In a level A response, the organizational structure does not progress beyond that shown in Figure 2. However, arriving units may discover the situation to require a higher level response. The organizational structure can grow easily from this point if it is determined that a level C or level D response is necessary.

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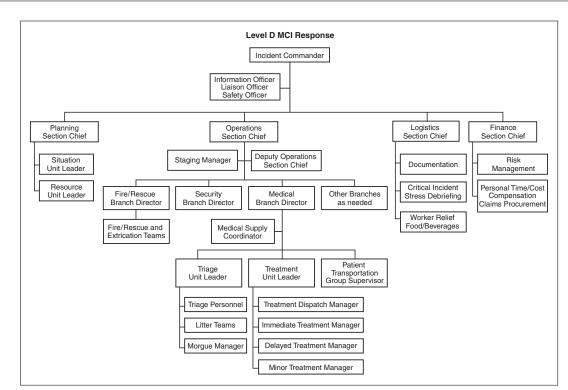


Figure 1. Incident Management System as it Is Designed to Operate in a Level D MCI Response.

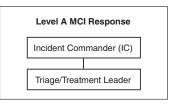


Figure 2. Example of a Possible Level A MCI Response.

#### Level B Response

Based on the characteristics of the incident found at the time of the initial response, additional resources are requested by the IC and dispatched. A Command Post is established and announced. In the example in Figure 3, the IC designates a Triage Unit Leader, Treatment Unit Leader, and a Patient Transportation Group Supervisor. Security and/or law enforcement are involved as needed. A Staging Manager may be needed.

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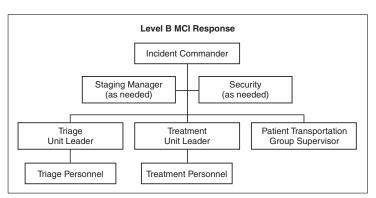


Figure 3. Example of a Possible Level B MCI Response.

#### Level C Response

When the nature of the situation is such that extrication and additional support are required, a level C response is required. The Track Fire/Safety representative arrives and is assigned to become the Fire/Rescue Branch Director. The IC assigns the Operations Section Chief who appoints the Medical Branch Director. The Medical Branch Director confirms that the Triage Unit Leader, Treatment Unit Leader, and Patient Transportation Group Supervisor are in place. The additional positions are necessary to keep the span of control of the Operations Section Chief manageable. Unified Command is initiated if deemed necessary by the IC.

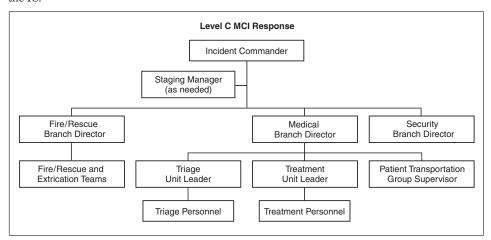


Figure 4. Example of a Possible Level C MCI Response.

#### Level D Response

When the incident is large enough to require use of outside resources, the organizational structure becomes more comprehensive. Many of the positions described in Figure 1 are still unfilled. They may be utilized as the IC sees fit. At this point a Unified Command System becomes essential to assure appropriate utilization of all available resources.

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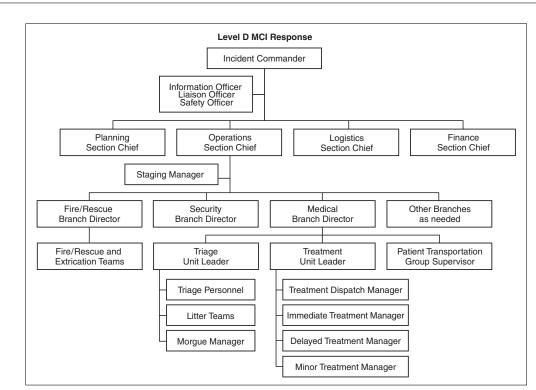


Figure 5. Initial Command Structure Likely in the Management of a Level D Response.

#### **MCI Initial Response**

- A. The first unit on scene should stop or park outside the affected area, assess the safety of the scene for responding personnel, and get an idea of the boundaries and scope of the emergency.
- B. The IMS is established by contacting the communications center and providing a Size-Up Report within the *first 30 seconds* of arrival. The Size-Up Report consists of 3 elements:
  - (1) Location of the incident
  - (2) Type of incident
  - $(3)\,Approximate\;number\;of\;patients$
- C. The most qualified member of the team on the first arriving unit functions as the IC and continues in that role until relieved by a more appropriate individual. It is important to remember that the IC needs to remain in an area where the majority of the incident can be seen, but not in the middle of the scene.
- D. Triage should begin immediately. It is important to remember that the first part of START triage is to remove the patients designated in "minor category" or "walking wounded" from the scene. A responsible individual should be appointed to watch over this group and to keep them away from both those patients needing immediate care and bystanders who were not affected by the incident.

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- E. A Follow-Up Report should be given within 3 minutes. This report also has 3 elements:
  - (1) Situation What is going on right now?
  - (2) Progress What have you done so far?
  - (3) Needs What do you still need to handle the problem?

Additionally, during a Follow-Up Report, the name of the IC, the location of the Command Post, and the location of the staging area to which all incoming resources are to report, will need to be announced on the radio.

F. Additional responding units report to the designated staging area and request an assignment. It is imperative that these resources not go directly to the scene until directed. Once at the scene, additional units should contact the IC and confirm their assignment.

#### **Triage**

Triage is carried out using the Simple Triage and Rapid Treatment (START) system. No more than 30–60 seconds should be spent on a single patient. All medical personnel should be familiar with the process and keep in mind that patients assigned to a treatment area may undergo a change in their status requiring re-triage and assignment to a different treatment area. Triage tags should be used any time there are three or more patients. See Figure 6 for an example of the START triage system.

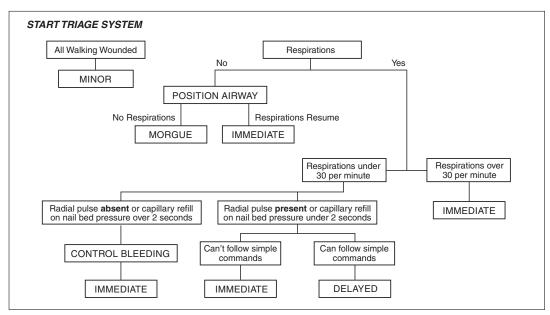


Figure 6. Triage System.

#### **Treatment Areas**

Treatment areas may be established at the request of the IC, Medical Branch Director, or any other individual who believes it would benefit patient care. Predetermined treatment areas or any location deemed appropriate by the IC may be used. See the diagram below for examples of locations that have been predetermined.

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The first area that should be established is for those victims with minimal or minor injuries (walking wounded). By removing these patients from the scene first, the emergency responders are provided with quicker access to those critically injured and begin the incident stabilization process. Trams, buses, and other vehicles may be used to move these victims to treatment facilities.

The Immediate and Delayed Treatment areas should be designated. They should be located in an area that is as follows:

- (1) Safe
- (2) Large enough to handle the number of victims easily
- (3) Easily accessible to rescue vehicles
- (4) Located away from the morgue

Once they have been triaged, patients are sent to the Immediate, Delayed, or Minor Treatment areas. Continuous triage and patient evaluation should occur in these areas until all patients have been transported to their receiving facilities.

Personnel assigned to the treatment areas should at all times function only within their scope of practice and under medical control as allowed by local regulations.

Physicians and RNs are normally assigned to the treatment areas.

Selection of the most appropriate treatment areas will depend on the size, location, and nature of the incidents. The following are predetermined treatment areas that are likely to be used during an MCI.

#### **Predetermined Treatment Areas**

Immediate Treatment Area	Delayed Treatment Area	Minor Treatment Area	Morgue

#### **Transportation**

The Transportation Group Supervisor, in cooperation with the managers of the treatment areas and the communication center, will arrange transport of patients to the most appropriate available facility.

Whenever possible, the patients in the Immediate category should be transported first to the most appropriate medical facility. A lower level of medically trained personnel as determined by the Transportation Group Supervisor in cooperation with the Treatment Unit Leader may transport patients when appropriate.

Patient distribution should occur in such a way that no one facility is overloaded to prevent moving the disaster from the field to the hospital.

Additional resources should report to the staging area established by the IC or the Operations Section.

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#### **Staging Areas**

Staging areas are used as a gathering point for incoming resources to wait prior to being assigned tasks by the IC. The area selected for staging will depend on a number of factors, including location and type of incident. Some possible sites could include the following:

# Possible Staging Areas for Outside Resources

#### Aircraft

The use of helicopters for medical evacuation provides a means for rapid patient transportation to the receiving facility. However, at large-scale incidents, it is suggested that helicopters not be used immediately until the IC has an understanding of the size and complexity of the incident. Helicopters can also be used to assist the IC for a rapid reconnaissance of the incident. Helicopter landing areas should be predetermined prior to the event.

#### **Position Descriptions**

#### FIRST RESPONDER/INITIAL UNIT

**Function:** Overall management of the incident in level A and level B incidents. Management of scene until others assume IMS positions in higher level incidents.

#### **Duties:**

- (1) Stop outside the affected area and get the "big picture."
- (2) Provide Size-Up Report to Communications including the following:
  - (a) Location of incident
  - (b) Type of incident
  - (c) Number of patients
  - (d) Any additional resources required
- (3) Remember Safety, Isolate and Deny entry, and Notify (SIN).
- (4) Start triage using START triage system. Begin by removing minor injury patients.
- (5) Provide Follow-Up Report to communications, including the following:
  - (a) Situation
  - (b) Progress
  - (c) Needs
- (6) Establish and announce location of command post and staging areas.

#### INCIDENT COMMANDER (IC)

**Function:** The IC's responsibility is the overall management of the incident. On most incidents, the command activity is carried out by a single IC. The IC is selected by qualifications and experience.

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#### **Duties:**

- (1) Go to the scene and get a briefing from the current IC.
- (2) Establish the immediate priorities.
- (3) Establish an Incident Command Post.
- (4) Establish an appropriate organization.
- (5) Ensure that adequate safety measures are in place.
- (6) Coordinate activity for all Command and General Staff.
- (7) Coordinate with key people and officials.
- (8) Approve requests for additional resources or for the release of resources.
- (9) Keep agency administrators informed of incident status.
- (10) Authorize release of information to the news media.
- (11) Order the demobilization of the incident when appropriate.

#### INFORMATION OFFICER

Function: The Information Officer acts as a liaison between the media and the Incident Commander.

#### **Duties:**

- (1) Determine from the IC if there are any limits on information release.
- (2) Release and update media on the incident.

#### LIAISON OFFICER

Function: The Liaison Officer provides a point of contact for assisting and cooperating agencies.

#### Duties

- (1) Establish and coordinate interagency contacts.
- (2) Monitor incident operations to identify interagency needs and potential problems.
- (3) Keep agencies supporting the incident aware of the incident status.
- (4) Maintain a resource list of agencies including limitations and capabilities.

#### SAFETY OFFICER

**Function:** The Safety Officer immediately corrects situations that create an imminent hazard to personnel.

#### **Duties:**

- (1) Go to scene and get briefing from IC.
- (2) Identify hazardous situations associated with the incident.
- (3) Exercise emergency authority to stop and prevent unsafe acts.

#### **OPERATIONS SECTION CHIEF**

**Function:** The Operations Section Chief is responsible for the management of all operations directly applicable to the primary mission.

#### Duties

- (1) Go to the scene and get a briefing from the IC.
- (2) Meet with the IC and all of the branch directors at the scene (Fire/Rescue, Medical, and Security branches). Determine immediate priorities.
- (3) Confirm that all predetermined management positions are filled.

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- (4) Go to the command post location.
- (5) Supervise operations.
- (6) Determine need and request additional resources.
- (7) Assure timely reporting and resource requests to outside agencies through IC.

#### STAGING AREA MANAGER

**Function:** The Staging Area Manager is responsible for establishing a staging area and managing all activities within the staging area.

#### **Duties:**

- (1) Establish staging area.
- (2) Determine (and request) any support needs for equipment, ambulances, security, etc.
- (3) Establish a check-in process, as appropriate.
- (4) Dispatch resources as requested by Operations Section Chief.
- (5) Monitor and record resource utilization.
- (6) Advise the Operations Section Chief when reserve levels reach minimums.

#### FIRE/RESCUE BRANCH DIRECTOR

**Function:** The Fire/Rescue Branch Director supervises all fire/rescue personnel and equipment assigned to the speedway.

#### **Duties:**

- (1) Coordinate all fire and rescue resources at the scene.
- (2) Provide manpower as needed for medical branch, including litter teams and teams to assist with transportation between the triage and treatment areas.

#### MEDICAL BRANCH DIRECTOR

**Function:** The Medical Branch Director supervises all medical personnel and equipment assigned to the speedway. The Medical Branch Director supervises the Triage Unit Leader, Treatment Unit Leader, and Patient Transportation Group Supervisor.

#### **Duties:**

- (1) Go to the scene and get briefing from IC.
- (2) Designate Unit Leaders, Patient Transportation Group Supervisor, and Treatment Area locations as appropriate.
- (3) Request additional personnel and resources as needed to handle incident.
- (4) Isolate Morgue and Minor Treatment Area from Immediate and Delayed Treatment Areas.
- (5) Request law enforcement/coroner involvement as needed.
- (6) Establish communications and coordination with Patient Transportation Group Supervisor.
- (7) Ensure notification local EMS/health agencies.
- (8) Ensure proper security, traffic control, and access for medical operations.
- (9) Direct medically trained personnel to the appropriate Unit Leader.
- (10) Maintain summary of events as time permits.

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#### TRIAGE UNIT LEADER

**Function:** The Triage Unit Leader supervises all personnel in triage unit and is responsible for triage management and movement of patients to the treatment areas.

#### **Duties:**

- (1) Advise Medical Branch Director and/or IC of resource needs.
- (2) Implement triage process.
- (3) Request triage personnel as needed and supervise.
- (4) Coordinate all patient movement to treatment areas.
- (5) Give periodic status reports to Medical Branch Director.
- (6) Maintain security and control of the Triage Area.

#### TREATMENT UNIT LEADER

**Function:** The Treatment Unit Leader supervises treatment operations for transport and movement of patients to loading areas.

#### Duties

- (1) Develop treatment organization sufficient to handle incident.
- (2) Direct and supervise Treatment Dispatch, Immediate, Delayed, and Minor Treatment areas.
- (3) Coordinate movement of patients from Triage Area to Treatment Areas with Triage Unit Leader.
- (4) Request sufficient medical caches and supplies as necessary.
- (5) Establish communications and coordination with Patient Transportation Group Supervisor.
- (6) Ensure continual triage of patients throughout Treatment Areas.
- (7) Direct movement of patients to ambulance loading area(s).
- (8) Give periodic status reports to Medical Branch Director.

#### TREATMENT DISPATCH MANAGER

**Function:** The Treatment Dispatch Manager is responsible for coordinating transportation of patients out of the treatment areas.

#### **Duties:**

- (1) Establish communications with the Immediate, Delayed, and Minor Treatment managers.
- (2) Establish communications with the Patient Transportation Group.
- (3) Verify that patients are prioritized for transportation.
- (4) Coordinate ambulance loading with Treatment Manager.
- (5) Record patient tracking information.

#### TREATMENT MANAGERS (Immediate, Delayed, and Minor)

Function: Treatment Managers are responsible for the treatment and re-triage of patients assigned to their respective areas.

#### **Duties:**

- (1) Set up assigned treatment areas.
- (2) Request personnel and supplies as needed.
- (3) Establish medical treatment teams as needed and assign patients received.
- (4) Assure appropriate prioritization of patients for transport.

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- (5) Coordinate patient transportation with Treatment Dispatch Manager.
- (6) Assure appropriate recording of patient information.

#### PATIENT TRANSPORTATION GROUP SUPERVISOR

**Function:** The Patient Transportation Group Supervisor manages ground and air ambulance resources, dispatches ambulances as requested, and manages loading of ground and air ambulances.

#### Duties

- (1) Establish communications with hospital(s) and/or local dispatch centers.
- (2) Designate ambulance staging area(s).
- (3) Determine routes of travel for ambulances.
- (4) Direct the transportation of patients as determined by Treatment Unit Leader.
- (5) Request additional ambulances, as required.
- (6) Assure appropriate recording of patient information and destination.

#### SECURITY BRANCH DIRECTOR

**Function:** The Security Branch Director is responsible for security functions related to management of the incident.

#### **Duties:**

- (1) Secure the incident scene and access routes for emergency personnel.
- (2) Provide spotters to direct emergency responders to incident scene.
- (3) Secure staging areas, ambulance routes, and helicopter landing areas as needed.
- (4) Coordinate activities with local law enforcement personnel.

#### **Assignments During a Major Incident**

Event:		_ Date:	
assignments may vary depending	wing positions are predesignated for the management of MCIs during this event. Actual ents may vary depending on availability of specific people, the type of incident, and management . Descriptions of the responsibilities associated with each position can be found in plan.		
Title	Assigned Person	Radio Channel	Reports To

Title	Assigned Person	Radio Channel	Reports To
Incident Commander			
Safety Officer			Incident Commander
Information Officer			Incident Commander
Liaison Officer			Incident Commander
Operations Section Chief			Incident Commander
Security Branch Director			Operations Section Chief
Fire/Rescue Branch Director			Operations Section Chief
Medical Branch Director			Operations Section Chief

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Title	Assigned Person	Radio Channel	Reports To
Staging Manager			Operations Section Chief
Triage Unit Leader			Medical Branch Director
Treatment Unit Leader			Medical Branch Director
Transportation Group Supervisor			Medical Branch Director

Radio channel used by responding medical units (normally "3") may be changed in the event of a serious incident. Any such change will be announced on the radio.

#### Site Emergency Team Reporting Locations Based on Level of Response

Position	Level A	Level B	Level C	Level D
Incident Commander	S	S	S	s
Fire Safety Officer			S	S
Operations Section Chief			S	S
Security Branch Director	*	S	S/EOC STAGING	S/EOC STAGING
Fire Rescue Branch Director	*	*	*	*
Medical Branch Director			S	S
Staging Manager			S	S
Treatment Unit Leader	S	S	S	S
Public Relations Officer			EOC	EOC

EOC = Report to Emergency Operations Center

\* = Requested as needed STAGING = Report to Staging Area

#### **Communications Plan**

#### **On-Site Communications**

Department	Radio Channel	Telephone	Other
Administration			
Security			
Fire/Safety			
Medical			
Race Control			

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#### **Off-Site Communications**

Organization	Radio Channel	Telephone	Other
Air ambulance			
Ground ambulance			
Fire department			
Law enforcement			
Emergency department			
Trauma center			
Communications center			
Hazardous materials team			
Other			

**Note:** When personnel have an emergency, the radio term "emergency radio traffic" should be used to clear nonemergency radio traffic. Personnel should use **clear text** (i.e., no radio codes) to identify the type of emergency, request additional resources, or advise of change in conditions, etc. When the emergency is concluded, the person who declared an emergency shall conclude it by transmitting the statement, "All clear, resume radio traffic."

**Additional Note:** All communications systems should be tested prior to the beginning of any event whenever possible.

#### **Other Emergencies**

#### Fires, Fire Alarms, and/or Explosions

- (1) If an audible alarm is heard, ask guests to remain calm and await further instructions.
- (2) If a fire is observed, activate the nearest alarm and immediately notify security and speedway management on Channel \_\_\_\_\_.
- (3) If unable to immediately contact security or management, notify the fire department by dialing 911.
- (4) Alert co-workers and/or supervisors.
- (5) Remove guests and others from the area.

#### **Security Issues**

#### If you receive a bomb threat:

- (1) Remain calm and courteous.
- (2) Listen to what the person making the threat is saying.
- (3) Keep the person who is making the threat talking and ask the person to repeat the message. Obtain as much information as possible.
- (4) Use the Bomb Threat Checklist to document as much information as possible.
- (5) Immediately notify security and speedway management of the information, and follow their instructions.

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#### **Bomb Threat Checklist** If voice is familiar, whom does it sound like? **Instructions:** DO NOT HANG UP THE TELEPHONE!!!! Be calm and courteous. Listen, do not interrupt caller. Quietly attract the attention of someone else to listen Background Sounds (circle those that apply): in, if possible. Pretend difficulty with hearing to keep Street noises Factory machinery caller talking and repeating the message. Dishes clanking Animal noises Date: Clear Voices PA system Static Your Name: -Music Local Your Position: House noises Long distance Your Phone Number: \_ Motor Phone booth Office Office machinery **Questions to Ask:** Race track sounds Traffic 1. What is going to happen? Music Trains 2. When will the bomb explode? Other: 3. Where is the bomb located? **Threat Language:** 4. What kind of bomb is it? 5. What does it look like? Well spoken (educated) Incoherent Irrational 6. What kind of damage will it do? Read by threat maker Taped 7. How is the object being put in place? 8. Who is putting the object in place? **Remarks:** 9. Why are you doing this? 10. What is your address and telephone number? 11. What is your name? 12. Where are you now? **Exact Wording of Threat:** \_ Date: \_ Sex of caller: \_\_ Race: Adult or juvenile: \_\_\_ Estimated age: \_ Length of call: Origin of call: **Caller's Voice** (circle characteristics that apply): Local Long distance Internal Calm Angry Coherent Irrational Deliberate Excited Incoherent Emotional Number at which call was received: Slow Soft Normal Rapid Loud Stutter Laughter Crying

△ FIGURE B.2 Continued

Clearing throat

Whispered

Distinct

Lisp

Slurred

Raspy

Accent

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Disguised

Nasal

Deep

Familiar

High pitched

Ragged Intoxicated

Report call immediately to:

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#### If you find a suspicious package, bag, boxes, or envelopes:

- (1) Do not remove the item.
- (2) Notify Security and speedway management.
- (3) Remove guests and employees from the area.
- (4) Remain at a safe distance and await instructions from security and/or law enforcement.

#### **Verbal or Personal Threats:**

- (1) Remove yourself as soon as possible from the situation.
- (2) Notify Security as soon as possible on Channel \_\_\_\_\_

#### **Civil Disturbances:**

- (1) Notify Security on Channel \_\_\_\_\_ immediately.
- (2) Remove yourself from the problem and go to a safe area.
- (3) Continue to observe the situation and await instructions from security.

#### **Medical Problems**

#### If you encounter a medical emergency:

- (1) Request medical assistance on Channel \_\_\_\_\_
- (2) If you are without a radio, find the nearest supervisor or security personnel.
- (3) Remain calm, speak clearly, and be as accurate as possible. Describe your specific location of nearby gates or other landmarks in the area.
- (4) If unable to make contact as noted above, call 911.
- (5) After the call for assistance is made, have a responsible person remain with the patient, and direct first responders.
- (6) Do not move a seriously injured person.

Anyone exposed to blood or body fluids should report to the nearest first aid station as soon as practical. The effectiveness of treatments to prevent the transmission of serious diseases after exposure to blood and body fluids depends on the type of exposure and on how much time is allowed to elapse between the exposure and treatment.

#### **Hazardous Material Incidents**

Although there are many definitions for hazardous materials, a commonly accepted definition is a substance or material that has been determined to be capable of posing an unreasonable risk to health, safety, and property. Speedway employees must recognize that many of these substances are used safely every day, at the facility. On rare occasions, either by accidents or misuse, problems with these products can occur

#### First On-Scene Initial Actions

The first operational objective for all responders is safety. If first responders don't think safety, they may become part of the problem, not the solution, and possibly may be killed or injured. The first responding unit operational priorities can be summed up using the acronym SIN.

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#### Safety, Isolate, and Notify

(1) **Safety** — Safe approach: Uphill/upwind at a safe distance, observe incident from a distance and report findings to the communications center.

- (2) Isolate and Deny Entry Use barrier tape, vehicles, and manpower to isolate the problem and minimize access to those not affected. Remember to isolate those individuals who may have been exposed to the product.
- (3) **Notify** Request needed assistance via safe route. One of the most important points to remember is that the speedway does not possess the appropriate hazardous materials equipment and training. Notify security and speedway management on Channel \_\_\_\_\_\_. If no response is obtained via the radio, contact the local fire department by calling 911.

#### **Suspected Terrorism Incidents**

According to the U.S. Department of Justice and Federal Emergency Management Agency, "All communities — especially those in free societies — are vulnerable to incidents involving terrorism." Areas of public assembly are considered potential targets. It is the intent of the perpetrators of such incidents to cause damage, inflict harm, and/or kill. The incident may even be planned to inflict further harm on those whose job it is to respond to the incident. Whether the incident is terrorist induced may not actually be established until hours or even days after the initial danger has passed. As such, the first responder should refer back to Safety, Isolate, and Notify (SIN) procedures in dealing with hazardous materials incidents.

When evidence of an incident of terrorism is suspected, rapid involvement of law enforcement and appropriately trained hazardous materials teams is essential.

#### **Nuclear Weapons**

The use of nuclear devices is rare because of the difficulty in obtaining reliable devices of this nature. Recognition and protection from such devices requires the use of radiation detection equipment along with the concepts of time, distance, and shielding.

#### **Biological Weapons**

Biological weapons (BW) pose the greatest threat to the first responder because of the difficulty in the detection of their use. In fact, recognition of the use of BW will probably come from the Public Health Service personnel several hours to days after the event has occurred.

#### **Chemical Weapons**

Chemical weapons (CW) are becoming increasingly popular due to their availability and potential impact on a society. Many of these agents are manufactured from common household or natural ingredients, such as chlorine or castor beans. Their ability to produce nearly immediate symptomatic responses from victims makes them relatively easy to recognize, protect against, and/or treat. The most important protective measure is to ensure respiratory protection through distance and personal protective equipment (PPE).

#### Some of the Indicators for a Nuclear, Biological, or Chemical (NBC) Incident

- (1) Unusual or unexplained dead, dying, or sick people or animals
- (2) Unusual liquids, sprays, or vapors and low-lying clouds or fog unrelated to the weather
- (3) Unexplained odors or oily film on surfaces
- (4) Suspicious devices or packages

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