



## FIRE SAFETY REGULATIONS

### BOOTH STAGING

In addition to equipment and furniture placed within a booth space, Exhibitors can stage the following items:

- Boxed or loose product, materials or literature
- Fiber cases used to ship pop-up displays
- Personal items such as luggage, purses, briefcases or coats

The following restrictions must be observed when staging these additional items:

- The amount of product, materials or literature that may be staged within a booth space must not exceed a one-day supply
- Items may be placed either in a display case, on a counter, on a shelving unit, in a closet, on a table, under a table or stacked neatly within the booth space
- Items that are placed under a table must not protrude outside the table dimensions
- Items that are stacked must not create a tripping hazard or hamper easy movement within the booth space
- Items may not be placed on or within six inches of floor ports, electrical wiring or cabling.
- Items may not be placed behind drape within the booth
- Pallets, empty crates, cartons and boxes may not be stored in the booth space
- Staging will not be allowed behind the back wall of the booth and behind the drape within the booth

Fire Safety personnel will patrol the exhibit area. If anyone is in violation, a written notice will be given to the Exhibitor.

### FIRE RETARDANCY

Booth construction and decoration materials must be fire retardant. It is suggested that a certificate of retardancy be available at the show to prevent the need for possible on-site testing of the material. Fabrics must pass the NFPA-701 Code, and all other construction and decoration materials must pass the NFPA-703 Code as well as the UL-1975 test.

General guidelines for material fire retardancy include:

- Backdrops, tents, canopies, dust and table covers, drapes and similar fabrics: these fabrics can often be made fire retardant by a dry cleaner that can issue a certificate of fire retardancy. Suppliers and/or display manufacturers can also provide a certificate included with the materials.
- Corrugated cardboard/display boxes: these materials can best be made fire retardant at a factory.
- Wood and wood by-products: if wood materials are not sufficiently fire retardant, a certified fire-retardant specialist using pressure impregnation or similar impregnation method must treat them.
- Polyurethane foam, plastic and similar products need to be treated as well.

## OPEN FLAME DEVICES

Used for illumination or decorations, such as candles, gelled alcohol fuel fire bowls, firepots or fireplaces must comply with the following:

- Prior notification and review by McCormick Place Fire Safety Manager, the Fire Prevention Bureau, Fire Marshal and Event Organizer.
- Must be contained inside a non-combustible enclosure that totally encapsulates the flame providing a measure of safety to the public.
- Must be positioned on a non-combustible surface with 24-inch clearance for the flame device from any combustibles and booth back wall.
- Must have a mechanism available to quickly and safely extinguish the flame.
- Must have at least one multipurpose fire extinguisher rated minimum 2–A: 10–BC strategically located within the booth.
- Booth personnel should be familiar with the operation of the fire extinguisher.
- Booth personnel must be in attendance whenever the device is in use.
- Maximum one day supply of the replacement fuel is allowed in the booth.
- Device must be allowed to cool before refueling.
- Flame must be extinguished ½ hour prior to show closing.

## HAZARDOUS DEMONSTRATION/DISPLAY MATERIALS/PYROTECHNICS

When designing demonstrations and displays, note that the following devices require pre-approval by McCormick Place and the Chicago Fire Department (CFD):

- Lasers, open flames (including candles)
- Smoke-producing devices
- Indoor Pyrotechnics have special permitting procedures through the City of Chicago Fire Prevention Bureau. Contact the McCormick Place Fire Safety Manager.
- Heating appliances
- Welding, brazing or cutting equipment
- Radioactive materials

- Compressed gas or compressed liquid cylinders if applicable used in the booth must be securely anchored to prevent toppling
- Gasoline, kerosene or other flammable, toxic liquid, solid or gas
  - A limited supply of these fuels may be stored in the demonstration device but cannot be stored overnight.
  - All fuel transfers must use safety cans.
- When displaying a flammable or combustible labeled product, the display container shall be empty. Up to two aerosol cans may be used for demonstration purposes only.

Approval requests must be sent in 60 days before move-in of the event. The request must state how the demonstration will avoid hazards to people or nearby objects. Plexiglas or similar protection is required whenever sparking may occur. Fire extinguishers will also be required.

Any chemical, substance or material deemed hazardous by OSHA requires pre-approval and must be accompanied with the appropriate Material Safety Data Sheet (MSDS). The Fire Safety Office will need copies of the MSDS before the materials arrive.

## PROHIBITED MATERIALS

The following items are fire-hazardous and prohibited in McCormick Place:

- All flammable compressed gases, such as propane and butane
- Explosives and live ammunition
- Untreated Christmas trees, cut evergreens or similar trees
- Fireplace logs and similar materials
- Charcoal
- Untreated mulch, Hay Straw, Bamboo and Spanish moss

## COOKING AND HEAT-GENERATING DEVICES

If cooking or heating appliances will be used, they must be powered electrically or by natural gas. Stoves and heaters for booth usage must be UL listed/approved and also be adequately ventilated. Nothing combustible may be placed near any heat-producing appliance. A UL listed/approved, 2-A: 10-BC ABC-type fire extinguisher is required in such exhibits.

## FIRE HOSE CABINETS, PULL STATIONS, AISLES AND EXITS

- Each of these fire safety supports must always be visible and accessible. Adjustments to space and equipment may be required.
- Chairs, tables and other display equipment must be clear of all aisles, corridors, stairways and other exit areas.

## MULTI-LEVEL BOOTHS OR CEILINGS (INCLUDING TENTS)

Double-decker booths or booths with ceilings (including tents) were previously required to be equipped with fire safety devices. However, our Fire Safety Department and major show contractors have worked with the CFD to develop specific codes for the trade show environment that would offer a safe and cost-effective alternative to sprinklers. These specific requirements apply to all exhibits that have a ceiling or second story.

Booths fall into one of the five following booth formats:

Format 1: Exhibits with two stories fewer than 225 square feet

Format 2: Exhibits with two stories at or over 225 square feet

Format 3: Exhibits with ceilings under 225 square feet

Format 4: Exhibits with ceilings at or over 225 square feet

Format 5: Multiple-level exhibits, which require automatic sprinklers or any of the above exhibits with installed automatic sprinklers. Separate fire code items apply.

For booth formats 1–4, you will need to comply with the fire code items marked yes on the following table:

### Fire Code Compliance

#### Exhibits with Multiple Levels or Ceilings

Fire Code Item	Booth Format			
	1	2	3	4
1. Max. Dimensions	Yes	Yes	No	Yes
2. Second Level	Yes	Yes	No	No
3. Exit Stairways	Yes	Yes	No	No
4. Smoke Detectors	Yes	Yes	Yes	Yes
5. Fire Extinguishers	Yes	Yes	Yes	Yes
6. Posted Certificate of Fire Retardancy	No	Yes	No	Yes
7. Certified Approval	Yes	Yes	No	Yes
8. Fire Marshal Review	Yes	Yes	Yes	Yes

For exhibits using automatic sprinklers, the amount and type of sprinkler coverage needed depends on the booth specifications. If automatic sprinklers are preferred, or are required, contact our Fire Safety Office to discuss your options.

#### Fire Code Items for Multiple Level Booths

- Maximum Dimensions: To avoid the sprinkler requirement, your exhibit must be less than or equal to 2 levels high (maximum 30-foot elevation) or 5,000 square feet of enclosed area.
- Second Level: Second levels must remain open and uncovered. If they are covered, sprinkler protection will be required. Booths with a third level or more must also have special sprinkler coverage.
- Staircases: Staircases between levels must follow the Americans with Disabilities Act and meet the following requirements:

- Minimum of 3 feet in width
  - Provide a handrail on at least one side
  - Provide handrails a maximum of 1-1/2 inches in circumference and turned into walls
  - Not be spiral or winding
  - If the top deck is designed to hold over 10 people, or exceeds 1,200 square feet in area, a second staircase is required which must be remote from the main staircase and meet the same construction requirements
- Smoke Detectors: All areas under the second level or ceiling, including closets, need to be equipped with a UL approved (or similarly approved), battery-operated smoke detector. If this space is enclosed after hours, the smoke detector must be audible outside the enclosed area.
  - Fire Extinguishers: A UL-approved (or similarly approved) 2 ½ pound ABC-type fire extinguisher must be posted in a clearly visible and readily accessible area for each 500 square-foot enclosure.
  - Posted Certificate of Fire Retardancy: A certificate verifying the fire retardancy of your booth construction materials must be posted in a conspicuous place within the exhibit.
  - Certified Approval: After the booth has been designed, the blueprints must be approved and stamped by a licensed professional structural engineer. These blueprints should include dimensions and an isometric rendering. This approval applies to all booth formats outlined previously.
  - Fire Safety Review: Send stamped blueprints to McCormick Place for review with the Fire Safety Division and by the CFD at least 60 days before the show opens to allow enough time for any needed corrections. Be sure that plans show dimensions and an isometric rendering of your exhibit. In addition, all areas requiring sprinkler protection must be highlighted. If plans are not provided on time, it may cause delays or disapproval of your booth to occur during the pre-show fire inspection.
  - Fire Guards: Once a multiple level booth or a booth with a ceiling is built and completed, and whenever the exhibit or show is closed for business, special fire watch coverage is required. Use of individuals designated as fire guards is subject to prior approval by the McCormick Place Fire Safety Manager.
  - Americans with Disabilities Act: All exhibits must comply with the ADA. For information on compliance, contact the McCormick Place Fire Safety Manager.

## VEHICLE DISPLAYS

- Any vehicle or other apparatus that has a fuel tank and is part of a display, is required to be equipped with a locking (or taped) gas cap and can contain no more than 1/8 tank of fuel.
- Once the vehicle has been positioned, it cannot be moved until move-out begins, without prior approval by the Fire Safety Manager or Designee.
- Battery cables must be disconnected once the vehicle is positioned. The engine cannot be operated during show hours.
- Refueling must be done off property.

## HAZARDOUS MATERIALS

Neither McCormick Place Housekeeping Department nor your Official Service Contractor manages hazardous material removal. It is the responsibility of the Event Organizer to hire a vendor to handle these hazardous materials.

## HAZE/FOG/SMOKE MACHINES

The level of fog/smoke used as part of an event may set off the fire alarm system. To eliminate this fire safety issue, McCormick Place restricts usage of fog/smoke machines to water-based chemicals. The Fire Safety Department must obtain advance approval. A copy of the Material Safety Data Sheet (MSDS) covering the machine along with an outline of where it will be used, and a schedule including rehearsal and show times must be given to your Event Manager for review.