



## Fire Code Management of Hazardous Materials: The Essential Guide

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### new & noteworthy

The new National Fire Protection Association (NFPA) 1 Fire Code, 2018 Edition, has been added during this release.

Twenty-six states have changed fire codes since the last release. Please see our Fire Code Adoption by State (**Table 2** in the Introduction) for a quick reference for your particular state. See also, our State Fire Code Adoption Summary (**Table 1** in the Introduction) for more details.

- California has adopted its 2019 Fire Code, which refers to the IFC 2018.
- Colorado has adopted IFC 2021.
- Connecticut has adopted NFPA 1 2018.
- District of Columbia has adopted IFC 2015.
- Florida has adopted NFPA 1 2018.
- Georgia has adopted IFC 2018.
- Hawaii has adopted NFPA 1 2018.
- Idaho has adopted IFC 2018.
- Illinois has adopted NFPA 101 2015 as the state's fire prevention and safety code.
- Maine has adopted NFPA 1 2018.
- Maryland has adopted NFPA 1 2018.
- Minnesota has adopted IFC 2018.
- Mississippi has adopted IFC 2018.
- Nebraska has adopted NFPA 1 2012.
- Nevada has adopted IFC 2018.
- New Hampshire has adopted NFPA 1 2015.
- New Mexico has adopted IFC 2015.

# release notes

*please review*

- New York has adopted IFC 2018.
- North Dakota has adopted IFC 2018.
- Oregon has adopted IFC 2018.
- Rhode Island has adopted NFPA 1 2018.
- South Carolina has adopted IFC 2018.
- Utah has adopted IFC 2018.
- Virginia has adopted IFC 2018.
- Washington has adopted IFC 2018.
- West Virginia has adopted NFPA 1 2018.

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## highlights of this release

The NFPA 1 2018 module has been added. The changes listed below summarize the most significant differences between NFPA 1 2015 and the 2018 Edition:

- **Rulebook A, Means of Egress**, has been amended to include requirements for design of door assemblies and turnstiles, and periodic test requirements for emergency lighting provided for egress.
- **Rulebook B, Safeguarding Construction, Alteration and Demolition**, Section 5 has been expanded to include requirements for rubberized asphalt melters, as well as tar kettles.
- **Rulebook D, Cleanrooms**, has been substantially amended and reorganized to align with the 2018 standard.
- The summary for **Rulebook E, Laboratories Using Chemicals**, now includes clarification regarding the applicability of these requirements. This rulebook references NFPA 45.
- **Rulebook G, Hot Work Operations**, includes a new subsection entitled “Sole Proprietors and Individual Operators” (rulebook section 4). All subsequent sections were renumbered.
- **Rulebook H, Refueling**, was revised to remove construction requirements from section 1, *Automotive Fuel Servicing*, for service station fueling stations that are no longer in effect. Substantial changes were made to the fueling system requirements found in Section 3, *Aircraft Fuel Servicing: General*. A new section 4, *Aircraft Fuel Facilities: Specific* and section 5, *Aircraft Fueling Vehicles and Carts*, were added. Summary notes were expanded in Section 6, *Alternate Fuels: Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) and Liquefied Petroleum Gas (LP-Gas)*, and additional design and operating details were added.

- The summary notes for **Rulebook K**, *Hazardous Materials – General*, were modified to clarify the applicability of these requirements. Substantial changes were made to section 1, *Administrative Issues*; section 2, *Permissible Storage and Use Locations*; and section 3, *Fundamental Requirements*. Section 5, *Performance Alternative* related to following NFPA 400 as an alternative to NFPA 1:60 was added.
- Additional product and container-specific requirements were added to various sections of **Rulebook L**, *Aerosol Products*. Section 1, *General Requirements for the Manufacture and Storage of Aerosol Products*, was amended to include requirements applicable to plastic containers less than 33.8 ounces. Section 2, *Basic Requirements for the Manufacture and Storage of Aerosol Products*, was amended to include additional storage and fire protection requirements. Requirements for storage of level 2 and level 3 aerosol products were added to Section 3, *Storage of Aerosol Products in Warehouses and Storage Areas*.
- The summary for **Rulebook N-1**, *Flammable and Combustible Liquids – General Requirements for Storage, Handling, and Use*, was amended to include additional applicability details and definitions for terms used in the rulebook. Section 1, *General Requirements*, was amended to refer to processing, handling and use related to emergency planning and training, inspection and maintenance, and security. Section 4, *Specific Operations* was amended to include additional requirements related to cooking oil storage tanks in commercial kitchens.
- **Rulebook N-2**, *Storage of Flammable and Combustible Liquids in Containers and Portable Tanks*, section 1, *Container and Portable Tank Storage of Flammable and Combustible Liquids – General Requirements*, was amended to include additional guide note details for storage of building maintenance materials, use of intermediate bulk containers, and marking of liquids storage cabinets.
- **Rulebook N-3**, *Storage of Flammable and Combustible Liquids in Tanks*, section 1, *Storage of Liquids in Tanks — Requirements for All Storage Tanks*, includes amended requirements for atmospheric tanks, marking and testing of tanks before being put into service, fire prevention and control, and out-of-service requirements for underground storage tanks. Section 2, *Requirements for Aboveground Storage Tanks (ASTs)*, was amended to include additional requirements related to secondary containment and spill control.
- **Rulebook Q**, *Liquefied Petroleum Gases and Liquefied Natural Gases*, section 2, *Containers*, was amended to include additional requirements for use of portable storage container and for design ancillary equipment (piping, valves, flanges, etc.) Section 3, *Installation of LP-Gas Systems* was amended to clarify the applicability of the section and to include substantial changes in requirements for installation, design, location and use of LP-gas storage containers and storage systems.
- **Rulebook T**, *General Fire Safety*, section 1, *General Fire Safety*, was substantially modified to include additional guide note details for several questions. A table referring to requirements for combustible vegetation and natural cut Christmas trees was moved to the Reference Table section of this module.

For modules not specifically noted above, reference citations were updated to reflect the NFPA 1 (2018) standard, as well as cross-references to other NFPA standards. Additional Guide Note details were provided throughout the module when appropriate.