

**SIGNIFICANT CHANGES TO THE
INTERNATIONAL FIRE CODE®**

2021 EDITION

International Code Council

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Contents



Part 1 Administrative (Chapters 1 and 2)

Part 2 General Safety Provisions (Chapters 3 and 4)

- 320, 202
Additive Manufacturing
(3D Printing) 4
- 321, 321.1
Exterior Artificial Combustible Vegetation 8
- 405.1, 405.2 (New), Table 405.3, 405.5
Emergency Drills 10

Part 3 Building and Equipment Design Features (Chapters 5 through 12)

- 508.1, 508.1.1, 508.1.3, 508.1.7 (New)
Fire Command Center 16
- 510.4.1, 510.4.1.1, 202
Emergency Responder Communication
Coverage – Signals 18
- 510.4, 510.4.2.4, 510.4.2.5, 510.4.2.8, 510.5.1
(New), 510.5.4
Emergency Responder Communication
Coverage – Interference 20

- 603.4
Electrical Working Space 24
- 604.5.4 (New), 604.5.5 (New), 315.3.3
Storage in Elevator Machine Rooms
and Lobbies 26
- 605.1, 605.4, 605.4.1.1 (New), 605.4.2.1 (New),
605.4.2.2
Fuel Oil Storage Tanks 28
- 610
Clothes Dryer Exhaust Ducts 31
- 701.6
Maintenance of Fire-Resistance-Rated
Construction 32
- 703.2, 704.2
Repair of Penetrations and Voids 34
- 708, 708.1
Maintenance of Spray Fire-Resistant
Materials 36
- 808.5 (New)
Play Structures 38
- 202 (New), 901.1, 901.2, 901.2.1, 901.4,
901.4.1, 901.4.2, 901.4.3 (New), 901.4.5, 901.6
Life Safety Systems 40
- 903.2.4.2 (New), 903.2.9.3 (New)
Distilled Spirits 43
- 903.2.4, 903.2.4.3 (New), 903.2.7,
903.2.7.2 (New), 903.2.9, 903.2.9.4 (New)
Upholstered Furniture and Mattresses 45

■ 903.2.10, 903.2.11.3 Group S-2 Parking Garages	48	■ 1006.3.2, Exception 7; 1006.3, 1006.3.1 Egress from Occupied Roofs	91
■ 903.2.10.2, IBC 202 Mechanical-Access Parking Garages	50	■ 1006.3.4, Table 1006.3.4(1), Table 1006.3.4(2) Single Exit – Exit Access vs. Common Path	95
■ 903.3.1.2 NFPA 13R Sprinkler Systems	52	■ 1009.2.1 Elevator Serving Occupied Roof	98
■ 903.3.1.2.2 Sprinklers on Means of Egress Balconies	54	■ 1010.1.1 Size of Doors	100
■ 905.3.1 Standpipes in Parking Garages	56	■ 1010.2.4 Locks and Latches	103
■ 906.1 Portable Fire Extinguishers	58	■ 1010.2.8, 1010.2.8.1, 1031.2.2 Locking Arrangements in Educational Occupancies	106
■ 907.2.10 (New) Manual Fire Alarm in Public-Storage and Self-Storage Facilities	61	■ 1010.2.9, 1010.2.9.1, 1010.2.9.2 Panic Hardware and Fire Exit Hardware	108
■ 907.4, 907.5, 907.5.1 (New), 907.5.2.1.3 (New), 907.5.2.1.3.1 (New), 907.5.2.1.3.2 (New) Low-frequency Alarms in Sleeping Rooms	63	■ 1020.5 Dead-End Corridors in Group I-2	111
■ 907.5.2.1.2 Sound Pressure Level for Audible Alarms	66	■ 1030.16, 1030.16.1 Handrails at Social Stairs	113
■ 907.5.2.2.5, 1203.2.4 Standby Power for Emergency Voice/Alarm Communications Systems	68	■ 1103.5.4 Sprinklers in High-Rise Buildings	116
■ 907.5.2.3.3, 907.5.2.3.3.1 (New) Expansion Capability for Fire Alarms in Group R-2	70	■ 1103.7.5.1 Group R-1 Hotel and Motel Fire Alarm System	119
■ 907.6.6.1, 907.6.6.2 (New) Fire Alarm System Monitoring	72	■ 1103.9 Carbon Monoxide Detection in Existing Buildings	121
■ 908.3 Emergency Alarm and Fire Alarm Interface	74	■ 1203.1.2 Fuel Line Piping Protection	123
■ 909.17 Smoke Control System Response Time	76	■ 1204 Portable Generators	125
■ 910.3.4 (New), 910.3.5 (New) Smoke and Heat Vent Operation	78	■ 1205.3.3 Smoke Ventilation with Solar PV	128
■ 913.1 Fire Pumps	80	■ 1207 Electrical Energy Storage Systems	130
■ 913.2.2 Protection of Circuits for Electric Fire Pumps	82		
■ 914.3.1.2 Water Supply to Fire Pumps	84		
■ 914.7, 914.7.1, 914.7.2, 202 Puzzle Rooms	86		
■ 1006.3, 1006.3.1, 1006.3.2, 1017.3.2.3 Exit Access Stairways in Atriums	89		
		PART 4	
		Special Occupancies and Operations (Chapters 20 through 40)	133
		■ Chapter 22 Combustible Dust-Producing Operations	135
		■ 2308.1, 2308.2, 2308.2.3, 2308.2.4 CNG Vehicle Fueling	138

■ 2311.8	Repair of Lighter-than-Air Fueled Vehicles	140		
■ 2404.3.3.6	Size of Spray Booths	143		
■ Table 2704.2.2.1	Water-Reactive Solids in Semiconductor Fabs	145		
■ 2808.3, 2808.3.1, 2808.4	Sizes of Piles and Stacks	147		
■ Table 3203.8	High-Piled Storage of Lithium-ion Batteries	151		
■ 3205.5	Aisle Maintenance in High-Piled Storage	153		
■ 3209.4, 3209.4.1 (New), 3209.4.2 (New)	Shutdown of Automated Rack Storage	155		
■ 3303.3, 3303.3.1	Daily Fire Safety Inspection	157		
■ 3303.5	Fire Safety for Types IV-A, IV-B and IV-C Construction	160		
■ 3305.5	Fire Watch	163		
■ 3305.9	Separation of Construction Areas	165		
■ 3313	Water Supply During Construction	167		
■ 3805.2.1, 3805.2.2, 3805.4, Table 3805.4	Restricted Materials in College Labs	170		
■ 3904.2, 3904.2.1 (New), 3904.2.2 (New)	Extraction Equipment	174		
■ Chapter 40 (New), 903.2.4.2 (New), 903.2.9.3 (New), IBC 307.1.1	Storage of Distilled Spirits and Wines	176		
			PART 5	
			Hazardous Materials	
			(Chapters 50 through 67)	179
			■ 5001.1, 5701.2, 202	
			Hazardous Material Exemptions	181
			■ 5003.8.3.3	
			Number of Control Areas	185
			■ Table 5003.11.1	
			Toxic Solids in Retail Occupancies	186
			■ 5003.12, 5004.14 (New), 5005.3.3, 5005.4.3	
			Outdoor Control Areas	189
			■ 5601.1.3	
			Retail of Consumer Use Fireworks	192
			■ 5606.1, 5606.6	
			Ammunition Reloading in Commercial Operations	194
			■ 5707.1, 5707.2, 5707.2.1, 5707.2.2	
			On-Demand Mobile Fueling	196
			■ 6303.1.4, Table 6303.1.4, Table 6304.1.5(1), Table 6304.1.5(2)	
			Storage of Oxidizers	199
			PART 6	
			Appendices (A through N)	203
			■ Appendix H, Section H104 (New), H104.1 (New), H104.2 (New)	
			Chemical Facility Anti-Terrorism Standards	204

Preface

The purpose of *Significant Changes to the International Fire Code*[®], 2021 Edition, is to familiarize fire officials, building officials, plans examiners, fire inspectors, design professionals and others with many of the important changes in the 2021 *International Fire Code*[®] (IFC[®]). This publication is designed to assist code users in identifying the specific code changes that have occurred and, more important, in understanding the reasons behind the changes. It is also a valuable resource for jurisdictions in order to help them explain the significance and impact of the changes as they go through their code adoption process.

Only a portion of the total number of code changes to the IFC are discussed in this book. The changes selected were identified for a number of reasons, including their frequency of application, special significance or change in application. However, the importance of the changes not included is not to be diminished. Further information on all code changes can be found in the Complete Revision History, available from the International Code Council[®] (ICC[®]), through the online store at <http://shop.iccsafe.org>. This resource collection provides the published documentation for each successful code change contained in the 2021 IFC since the 2018 edition.

Significant Changes to the International Fire Code, 2021 Edition, is arranged to follow the general layout of the IFC, including code sections and section number format. The table of contents, in addition to providing guidance in the use of this publication, allows for a quick identification of those significant code changes that occur in the 2021 IFC.

Throughout the book, code changes are accompanied by a photograph or an illustration to assist in and enhance the reader's understanding of the specific change. A summary and a discussion of the significance of the change are also provided. Each code change is identified by type, be it an addition, modification, clarification or deletion.

The code change itself is presented in a legislative format similar to the style utilized for code change proposals. Deleted code language is shown with a strikethrough, and new code text is indicated by underlining. As a result, the actual 2021 code language is provided as well as

a comparison with the 2018 language, so the user can easily determine changes to the specific code text.

As with any code change text, *Significant Changes to the International Fire Code, 2021 Edition*, is best used as a companion to the 2021 IFC. Because only a limited discussion of each change is provided, the reader should reference the code itself in order to gain a more comprehensive understanding of the code change and its application.

The commentary and opinions set forth in this text are those of the author and do not necessarily represent the official position of ICC. In addition, they may not represent the views of any enforcing agency because such agencies have the sole authority to render interpretations of the IFC. In many cases, the explanatory material is derived from the reasoning expressed by code change proponents.

Comments concerning this publication are encouraged and may be directed to ICC at significantchanges@iccsafe.org.

About the *International Fire Code*

Fire code officials, fire inspectors, building officials, design professionals, contractors and others involved in the field of fire safety recognize the need for a modern, up-to-date fire code. The *International Fire Code* (IFC), 2021 Edition, is intended to meet these needs through model code regulations that safeguard the public health and safety in all communities, large and small. The IFC is kept up to date through ICC's open code development process. The provisions of the 2018 edition, along with those code changes approved through 2019, make up the 2021 edition.

One in a family of International Codes® published by ICC, the IFC is a model code that establishes minimum fire safety requirements for new and existing buildings, facilities, storage and processes. It addresses fire prevention, fire protection, life safety and safe storage and use of hazardous materials. The IFC provides a total approach of controlling hazards in all buildings and sites, regardless of the hazard being indoors or outdoors.

The IFC is a design document. For example, before a building is constructed, the site must be provided with an adequate water supply for fire-fighting operations and a means of building access for emergency responders in the event of a medical emergency, fire or natural or technological disaster. Depending on the building's occupancy and uses, the IFC regulates the various hazards that may be housed within the building, including refrigeration systems, application of flammable finishes, fueling of motor vehicles, high-piled combustible storage and the storage and use of hazardous materials. The IFC sets forth minimum requirements for these and other hazards and contains requirements for maintaining the life safety of building occupants, the protection of emergency responders, and to limit the damage to a building and its contents as the result of a fire, explosion or unauthorized hazardous material discharge and electrical systems. The IFC is available for adoption and use by jurisdictions internationally. Its use within a governmental jurisdiction is intended to be accomplished through adoption by reference, in accordance with proceedings establishing the jurisdiction's laws.

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About the Author

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President
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Kevin Scott is President of KH Scott & Associates LLC. Kevin has extensive experience in the development of fire safety, building safety and hazardous materials regulations. Kevin has actively worked for over 30 years in the development of fire code, building code and fire safety regulations at the local, state, national and international levels. Kevin previously worked as a Senior Regional Manager with the International Code Council, and before that, he was Deputy Chief for the Kern County Fire Department, California, where he worked for 30 years. He has developed and presented many seminars on a variety of technical subjects including means of egress, high-piled combustible storage, hazardous materials and plan review and inspection practices.

Kevin was a member of the original IFC Drafting Committee that worked to create the first edition of the IFC. He served for 7 years on the IFC Code Development Committee and was chairperson for the committee from 2001 to 2004. Kevin has actively participated in numerous technical committees to evaluate specific hazards and technologies, and to create regulations specific to those hazards.

Some of the more significant committees are:

- High-piled Combustible Storage Committee
- Hydrogen Gas Ad Hoc Committee
- Task Group 400
- Technical Advisory Committee on Retail Storage of Group 'A' Plastic Commodities
- Underwriters Laboratories Fire Council.

Kevin's constant work to improve fire and life safety has been recognized on many levels. His contributions have been acknowledged by various organizations when they presented him with the following awards:

- Mary Eriksen-Rattan Award in 2013—presented by the Southern California State Fire Prevention Officers' Association

- William Goss Award in 2009—presented by the California State Firefighters Association
- Fire Official of the Year Award in 2005—presented by the California Building Officials
- Robert W. Gain Award in 2003—presented by the International Fire Code Institute.

About the International Code Council®

The International Code Council is the leading global source of model codes and standards and building safety solutions that include product evaluation, accreditation, technology, codification, training and certification. The Code Council’s codes, standards and solutions are used to ensure safe, affordable and sustainable communities and buildings worldwide. The International Code Council family of solutions includes the ICC Evaluation Service, the International Accreditation Service, General Code, S. K. Ghosh Associates, NTA Inc., ICC Community Development Solutions and the Alliance for National & Community Resilience. The Code Council is the largest international association of building safety professionals and is the trusted source of model codes and standards, establishing the baseline for building safety globally and creating a level playing field for designers, builders and manufacturers.

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