

Agenda

Presented by Kendall H. Nightlinger

Fire Protection and Life Safety Design

Applicable codes

- International fire code chapter 1, 9, 32, 50
- Indiana building codes chapter 3, 307, 9, 141, 415
- National Fire Protection Association (NFPA Standards) IFC 102.8
- Local (Indiana) ordinances

Scope and purpose of codes and ordinances IFC 101.2, 101.3

Understanding shared jurisdiction/authority: special occupancies and health care facilities

IFC 104.7.2 and MBC 414.1.3 - report overview

Understanding the relationship between fire and building codes

Occupancy Classifications

General requirements and MAQ's, chapter 50 / is it H or F

- Change of use and/or change of occupancy IFC 102.3
- Occupancy/hazard classifications tables 5003.1.1 (1) and (2)

How the hazardous materials opinion and report assist the designer and code official as well as the building owner/operator, IFC 104.7.2 and MBC 414.1.3

Lift safety issues/hazards

Design solutions and scenarios

Evaluation and documentation IFC E-103

High Pile Storage and H Occupancies IFC Chapter 32

When is it applicable? IFC 3206.3

What fire protection regulations are applicable? IFC 3206.2

How to use the IFC table IFC 3206.2

- H Occupancies IFC Chapter 50 and MBC Chapter 3 and 4
- Technical requirements/submittals IFC 3201.3
- Control areas definitions/technical requirements, limitations

Fire Protection Features and Equipment IFC Chapter 9 MBC Chapter 9

Deferred – submittals registered design professionals in responsible charge MBC 107.3.4

Walls, ratings, signage IFC 5003.5

- Fire detection and communication systems Chapter 9 IFC and MBC
- Sprinkler systems IFC 903
- Emergency alarm systems IFC 908

Occupancy Exercises

Case studies:

- New construction IFC 102.4
- Changing occupancy of existing buildings IFC 102.3

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Complying with Indiana Fire Protection and Building Codes

Live, Interactive Webinar - Wednesday, May 4, 2022

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Learning Objectives

You'll be able to:

Examine the scope and application of fire and building codes and ordinances.

Understand occupancy classifications and review requirements for change of use/occupancy.

Understand the standard of care for fire protection systems.

Identify requirements related to signage, alarms, sprinkler systems and other fire protection features and equipment.

Apply what you have learned to occupancy exercise for new construction and existing buildings.



HalfMoon Education Live Webinars

Complying with Indiana Fire Protection and Building Codes

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Enhance your understanding of fire protection and life safety design

Explore general requirements related to occupancy classifications

Discuss fire protection features and equipment

Understand the International Fire Code and the National Fire Protection Association (NFPA) codes as well as the Indiana building codes and standards

Learn the regulations that apply to high pile storage

Continuing Education Credits

Professional Engineers
6.5 PDHs

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6.5 HSW CE Hours
6.5 AIA LU | HSW

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Faculty

Kendall H. Nightlinger *Senior Code Specialist at Ino-Tek*
Mr. Nightlinger is a nationally-recognized expert in the application of building and fire codes to the safe design and operation of commercial and industrial facilities. He possesses over 40 years of mechanical trade experience and has been a fire protection, mechanical plans examiner/inspector since 1992. Mr. Nightlinger has been a code instructor since 1994 and is designated as a lifetime state of Michigan code instructor (#1952). He participates in the international Code Council Action Committees (FCAC, BCAC) and work groups regarding hazardous material, cannabis cultivation & extraction, distilleries, fire protection and life safety issues. Mr. Nightlinger speaks regularly to architects and engineers about code compliance and life safety design issues. He also speaks before building, mechanical and fire inspector associations promoting a higher level of understanding about the challenges of safety around hazardous materials. Mr. Nightlinger’s passion for his trade and professionalism engages his audience, empowering many of them as ambassadors for code compliance. He joined Ino-Tek in 2018 as a senior code specialist and consultant for hazardous materials.

Webinar Information

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International Building Code 2021
- Tues, April 12, 2022 | 8:00 am - 4:00 pm CDT

IBC Building Classification, Occupancy and Mixed Occupancies
- Wed, April 13, 2022 | 9:00 am - 4:30 pm CDT

Designing for Fire Protection
- Tues, April 19, 2022 | 9:00 am - 4:00 pm CDT

Structural Forensic Engineering
- Tues, April 19, 2022 | 9:00 am - 3:50 pm CDT

Managing Construction with AIA Document A201: General Conditions
- Thurs, April 21, 2022 | 9:00 am - 4:30 pm CDT

Designing to Withstand Tornadoic Loads on Buildings
- Tues, April 26, 2022 | 9:00 am - 4:00 pm CDT

Designing and Constructing a Net-Zero Energy Home
- Tues, April 26, 2022 | 8:30 am - 1:00 pm CDT
- Wed, April 27, 2022 | 8:30 am - 1:30 pm CDT

Designing to Withstand Tornadoic Loads on Buildings with ASCE 7-22
- Tues, April 26, 2022 | 9:00 am - 4:00 pm CDT

Wildfire Management on Rural Lands
- Thurs, April 28, 2022 | 12:00 - 3:15 pm CDT
- Fri, April 29, 2022 | 12:00 - 3:15 pm CDT

IBC Significant Changes: Administration and Building Planning
- Fri, April 29, 2022 | 11:00 am - 3:30 pm CDT

Construction Cost Estimating and Value Engineering
- Fri, April 29, 2022 | 8:30 am - 3:20 pm CDT

HVAC Primer for Design Professionals
- Tues, May 3, 2022 | 8:30 am - 4:30 pm CDT

IBC Significant Changes: Fire Protection and Means of Egress
- Fri, May 6, 2022 | 11:00 am - 3:30 pm CDT

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The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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