



22<sup>ND</sup> ANNUAL  
**FIRE PROTECTION  
& LIFE SAFETY FORUM**

**Fire Protection Technology**

**Principles of Community Risk Reduction**

**Fire Code updates, Fire Protection, Prevention, and Public Education**

**Campus Fire Safety & Campus Based Community Risk Reduction**



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# Conference Schedule of Events Program and Session Descriptions

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March 2nd and 3rd, 2026

Hyatt Regency Hotel - Columbus, Ohio





**FIRE PROTECTION  
& LIFE SAFETY FORUM**

March 1, 2026

Dear Attendees,

On behalf of the organizing committee, I am delighted to extend a warm welcome to each one of you to the 22nd Annual Fire Protection and Life Safety Forum. We are thrilled to have you join us for this prestigious event, which serves as a platform for code officials, industry professionals, experts, and supporters to come together and exchange ideas, insights, and best practices in the field of fire and life safety.

This year's forum promises to be a truly enriching and engaging experience, packed with stimulating keynote presentations, thought-provoking discussions, interactive workshops, and ample networking opportunities. Our lineup of distinguished speakers and special guests are eager to share their knowledge and expertise, providing you with valuable learning opportunities that will undoubtedly enhance your understanding of the latest trends and advancements in life safety.

As we gather in this forum, let us embrace the spirit of collaboration and innovation, as we collectively work towards creating safer environments for our communities. By sharing our experiences, challenges, and success stories, we can inspire positive change and drive progress in the realm of life safety.

I encourage you to actively participate in all sessions you attend, engage in discussions, and forge new connections with your peers. Your contributions and perspectives are highly valued, and we look forward to hearing your unique insights and ideas throughout the duration of the forum.

Once again, welcome to the 22nd Annual Life Safety Forum. Thank you for your presence and commitment to advancing the cause of fire life safety. Together, we can make a difference and build a safer future for all.

Wishing you a productive and inspiring two days ahead.

Warm regards,

A handwritten signature in black ink that reads "Randall L. Hormann". The signature is fluid and cursive, with the first letters of each word being capitalized.

Randall L. Hormann  
President and CEO



**The Fire Code Academy**  
81 Mill Street – Suite 300  
Gahanna, Ohio 43230  
1-614-416-8077

[www.FireCodeAcademy.com](http://www.FireCodeAcademy.com)

The Fire Code Academy (FCA) provides affordable professional level training, consulting, and continuing education in the fields of *Community Risk Reduction, Code Enforcement, Fire Science, Fire Protection systems, Fire Prevention, High-Rise Fire Safety and Emergency Response*. It is our mission to serve as a leader in advancing professionalism by designing and delivering high quality training and education to members of the fire service and those fire safety and code related fields for competent practice as firefighters, fire inspectors, educators, and beyond.

Through our educational programs, the FCA offers comprehensive and practical education in the administration, application and enforcement of the Ohio Fire Code, the International Fire Code, NFPA 101, Fire Inspection Techniques, Firefighter CEUs, Fire Service Management & Leadership, OSHA required trainings, and related subjects. The FCA encompasses all major model codes and training programs designed for the Fire Service as well as Private Industry (safety and risk management) personnel. The FCA completed a multi-year contract to provide fire code/fire inspector training to federal firefighters including members of the VA Healthcare System, the Army and Airforce.

### **Training and Continuing Education**

We are committed to excellence by offering exceptional educational programs from knowledgeable and experienced instructors for fire and industry professionals to advance their careers.



With our “Close-to-Home” program, the FCA brings training and education to your area of the State. We will train multiple members of your organization in your community for a fraction of the cost you would pay to send them out of town or provide multiple online memberships.

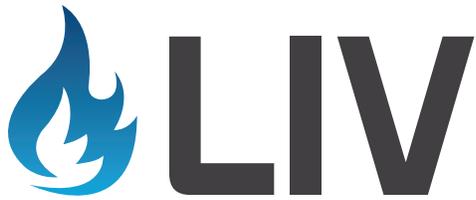
### **Ohio Certified Firefighters and Fire Safety Inspectors**

Programs offered through the FCA meet and/or exceeded the continuing education requirements as set forth in the Ohio Administrative Code (OAC) Sections 4765-20-13 for Firefighters and 4765-20-12 for Fire Safety Inspectors as approved by your Fire Chief or Charter Training Director.

### **Consulting and Fire Inspector Assessment Center & Evaluation**

Our cadre of professionals can assist your fire department or business in conducting fire inspections or risk reduction surveys within your community or on your company property. In addition, we also provide fire prevention and fire code management services. The Fire Code Academy conducts professionally operated fire inspector/fire marshal hiring and promotional assessment center evaluations.



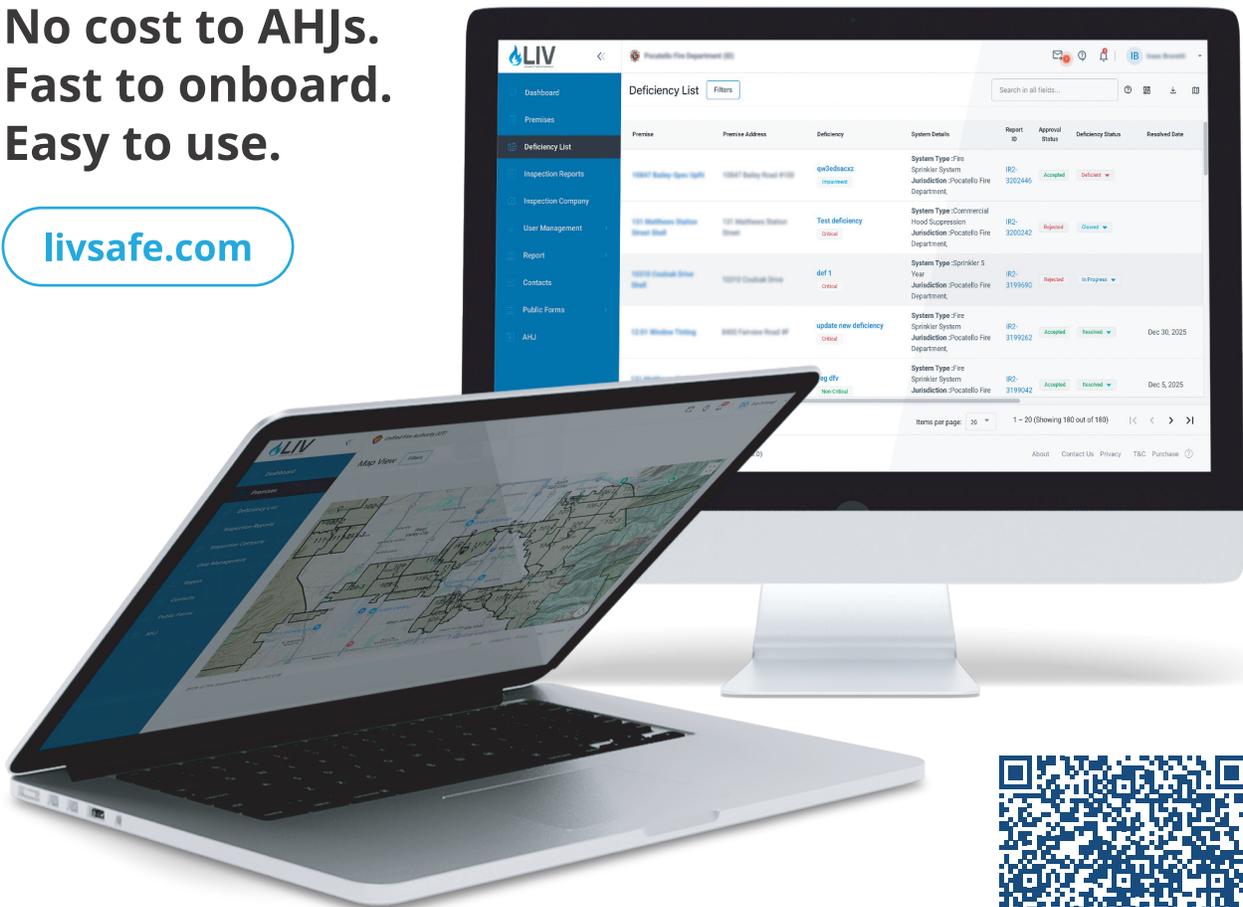


# Modern ITM & compliance management solutions for AHJs

Premises | Inspections | Deficiencies | Permits

No cost to AHJs.  
Fast to onboard.  
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*In Loving Memory*



**GREGG SMITH**

*May 21, 1957 - October 11, 2025*

## **Remembering Gregg Smith** ***Director of Safety & Compliance - Phantom Fireworks***

Last fall, we were saddened by the untimely passing of our good friend Gregg Smith. Throughout his decades in the fireworks safety industry, Gregg's integrity, leadership, and passion set a standard few could match. As Director of Safety and Compliance at Phantom Fireworks, he championed responsible, innovative practices that protected communities and strengthened the industry he loved.

Gregg was also a steadfast friend to the fire service and the life safety forum as an advisor and annual presenter. He traveled the world as one of the foremost experts on fireworks and pyrotechnics safety, generously sharing his knowledge and elevating code compliance and safety standards wherever he went.

Beyond his professional legacy, Gregg was a mentor, a confidant, and a true friend. His kindness, humor, and unwavering dedication left a lasting impact on everyone fortunate enough to know him. His influence will continue to guide us for years to come.



# Second Floor Rooms

**Franklin Meeting Rooms A-D (2<sup>nd</sup> Fl.)**

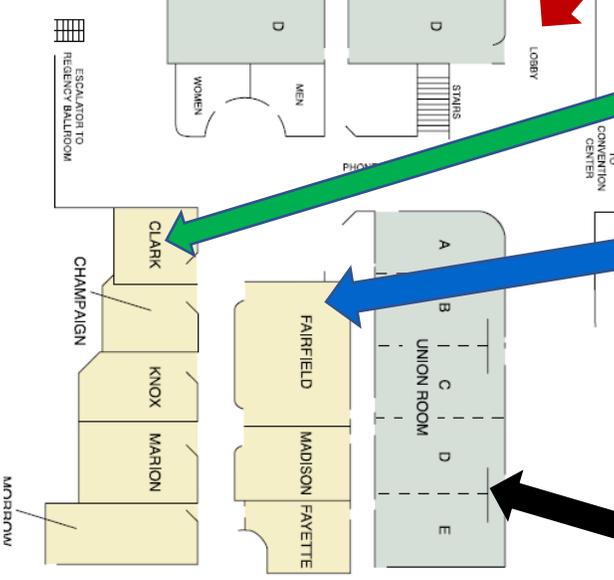
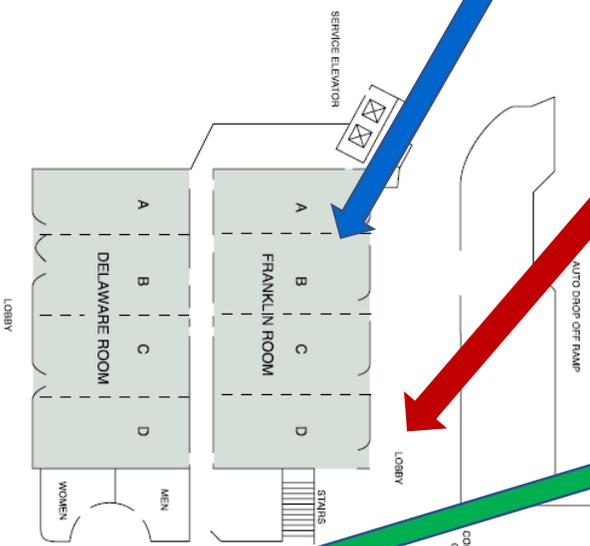
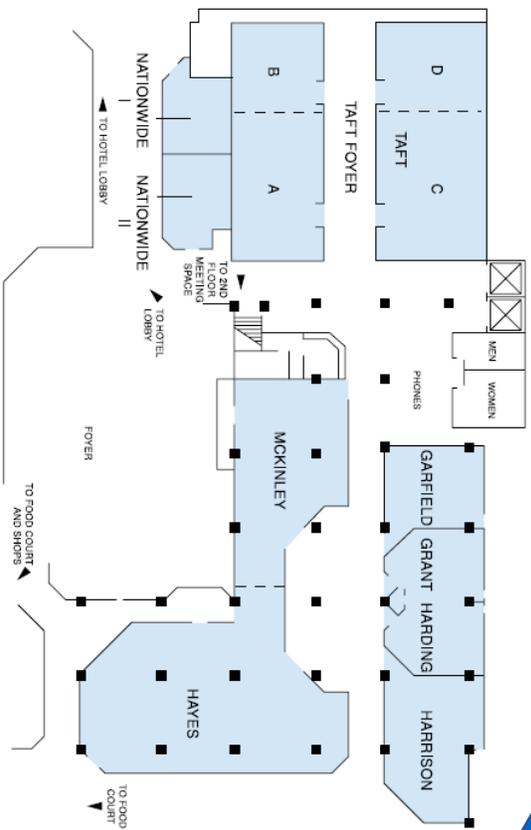
**Exhibits Franklin Lobby (2<sup>nd</sup> Fl.)**

**Meals Union Rooms A-E (2<sup>nd</sup> Fl.)**

**Registration (Clark Rm) (2<sup>nd</sup> Fl.)**

**Fairfield (2<sup>nd</sup> Fl.)**

**Meeting Room**



**FIRE PROTECTION  
& LIFE SAFETY FORUM**



**STRATEGIES  
FOR SUCCESS**

# Keynote Speakers

## The Future of Commercial Kitchens: Emerging Technologies and Their Impact on Fire Code Officials

Keynote Presenters: Mr. Randy Conforti and Mr. Nipun Sharma

**C**ommercial kitchens are undergoing a dramatic transformation. Robotics now bus dishes, autonomous runners deliver meals, and advanced appliances—from self-cooking machines to fully automated production lines—are reshaping how food is prepared and served. As these technologies accelerate, fire code officials and fire marshals face a rapidly evolving landscape of risks, responsibilities, and regulatory challenges.

**T**his opening session explores how automation, robotics, AI-driven equipment, and next-generation kitchen designs are redefining traditional fire protection assumptions. Attendees will examine emerging hazards, shifts in human oversight, changes in fuel loads and heat sources, and the implications for inspections, permitting, and enforcement. The presentation also highlights strategies for staying ahead of innovation, collaborating with industry, and ensuring that fire and life safety remain at the forefront as commercial kitchens move into a highly automated future.

**Donatos Pizza** (Headquartered in Gahanna, Ohio) has recently introduced a fully autonomous pizza-making vending machine, designed to serve fresh, customizable pizzas in just a few minutes. The machine was developed through a partnership with **Appetronix**, a robotics and automation company that collaborated with Donatos to bring the concept to life. This innovative unit uses robotics and AI to prepare and cook pizzas on demand, marking a major step forward in automated food service. We will learn about some of the technology behind this automated robot kitchen.

### **Mr. Randy Conforti, Owner, Precision Kleen, Inc.**

*Randy is a highly respected veteran professional in the commercial kitchen exhaust cleaning and inspection industry, widely recognized for his leadership within the International Kitchen Exhaust Cleaning Association (IKECA) and his ownership of Precision Kleen, Inc. He has presented at IKECA, The Fire Code Academy, and numerous other fire and life safety conferences, educating fire code officials and industry professionals on inspection, cleaning, safety, and maintenance practices—particularly those related to NFPA 96. He is also a respected advocate for life safety and fire prevention in the commercial cooking sector.*

### **Mr. Nipun Sharma, Co-Founder & CEO, Appetronix Inc.**

*Nipun Sharma is a visionary entrepreneur and the Co-Founder & CEO of Appetronix Inc., a company redefining the future of foodservice through fully autonomous robotic restaurant technology. With more than two decades of leadership across the global food, restaurant, and emerging technology sectors, he has built a reputation for transforming operational models and pioneering scalable, tech-driven dining concepts. At Appetronix, Sharma leads the development of advanced autonomous kitchen systems—including the company's flagship RoWok™ platform—designed to deliver high-quality, made-to-order meals with no on-site labor*



## Sunday March 1<sup>st</sup>, 2026

**5:00pm – 12:00am**

**Franklin Lobby**

Exhibit Set-up

**7:30pm – 9:00pm**

**Clark Meeting Room**

Exhibit Set-up

**8:00pm – 9:00pm**

**Hotel PDR Room**

*(Private Dining Room located on the 2nd floor next to the restaurant)*

Conference Early Arrival Hospitality



## Monday March 2<sup>nd</sup>, 2026

**8:30am – 11:00am**

**Franklin Lobby**

Opening and Keynote Address -

The Future of Commercial Kitchens: Emerging Technologies and Their Impact on Fire Code Officials

**11:00am – 12:00pm**

**Franklin Lobby / Exhibit Area**

**!! The Hour of Power !!**

One-on-One with our Technology Experts and Exhibitors



# Monday March 2<sup>nd</sup>, 2026

**12:00pm - 1:00pm**

**Union Meeting Rooms A, B, C, D, E**

## **Lunch Menu**

- Italian Wrap - Salami, Pepperoni, Ham, Provolone, Roasted Red Pepper, Pepperoncini & Pesto Aioli
- Buffalo Chicken Wrap - Buffalo Chicken with Celery & Bleu Cheese Slaw
- Loaded Potato Soup
- Mixed Greens Salad - Cucumber, Tomato, Radish, Onion & Balsamic Vinaigrette
- House-Made Parmesan-Pepper Potato Chips
- Assorted Dessert Bars

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*The Ohio logo Signifies this program has been approved by the Ohio Board of Building Standards*



**1:00pm - 2:00pm**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*



**Franklin Room - A**

118. Cooking Oil Storage Tank Systems in Commercial Kitchens [B358]



**Franklin Room - B**

136. Rolling Kitchens, Safe Operations: Fire Safety & Code Compliance for Food Trucks [B370]



**Franklin Room - C**

119. Fire Plan Review & Performance-Based Fire Protection Strategy Evaluations: Navigate Your Way Through the Gray [B361]



**Franklin Room - D**

140. Significant Updates to the 2023 Edition of NFPA 25 [B312]

**Fairfield Room**

124. Commercial Kitchen Cooking Operations and NFPA 17A: Fire Suppression  
Acceptance testing

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**2:15pm - 3:15pm**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEUs]*

**Franklin Room - A**

123. Propane Bulk Plant Case Study in Inspection, Abatement, Code Compliance [B369]

**Franklin Room - B**

135. Emergency Response to Lithium-Ion Batteries Incidents [Response strategies including applicable codes and standards] [B359]

**Franklin Room - C**

114. NFPA 80 - Fire Doors: an Open & Shut Case [B365]

**Franklin Room - D**

139. Target Hazards Impacting the Fire Service and the Importance of Central Station Service to reduce Hazards.  
(Data Centers and Energy Storage Systems are discussed in this session)

**Fairfield Room**

129. Acceptance Testing of Stationary Fire Pumps per NFPA 20 [B357]

**3:15pm - 3:35pm****Franklin Lobby / Exhibit area**

**Expert Exchange:** Direct Access & One-On-One with our Technology Experts and Partners

*Enjoy a small break of cookies and sweets before your next session.*



## **3:35pm - 4:35pm**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*



### **Franklin Room – B**

115. Southpark Construction Site Fire: Anatomy of a Tragedy [NFPA 241, and the ICC Codes Included in the presentation] [B371]

### **Franklin Room – C**

130. Understanding Batteries, Codes, and Risk Management



### **Franklin Room – D**

138. The Fire Code Official's Role in Reducing Unwanted Fire Alarms - Addressing Existing Fire Alarm Systems within Existing Occupancies [B308]



### **Fairfield Room**

146. Have a Plan: Fire Alarm Inspection and Testing per NFPA 72 Chapter 14 [NFPA-72 The National Fire Alarm and Signaling Code]



## Tuesday March 3rd, 2026

**8:00am - 9:00am**

*[These sessions are awarded 1-hour of Firefighter CEU ONLY]*

### **Franklin Room – A**

107. Improving Evacuation Skills of Developmentally Disabled Students and Adults

### **Franklin Room – B**

108. Panel Discussion - Establishing a Statewide CRR program

### **Franklin Room – C**

133. From the Ashes: Post-Traumatic Growth in the Fire Service



### **Franklin Room – D**

116. From Codes to Community Resilience: Integrating Fire Prevention and Emergency Management [B366]

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**9:00am - 9:30am**

**Franklin Lobby / Exhibit area**

**Expert Exchange:** Direct Access & One-On-One with our Technology Experts and Partners

*Enjoy a small break of coffee and sweets before your next session*



**9:30am - 10:30am**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*

**Franklin Room – A**

112. A Proactive Approach to Managing New Development Within Your Jurisdiction



**Franklin Room – B**

111. Fire Protection Systems - A Street-Level Guide to understanding compliance [B363]



**Franklin Room - C**

145. Introduction to NFPA 72 - Fire Alarm Systems [B304]



**Franklin Room – D**

144. Managing Change for Fire Protection [B367]



**Fairfield Room**

132. Standpipe Challenges - Understanding standpipe design in mid and high-rise buildings [IFC, IBC] [B372]

*Working*  
**Smoke Alarms**  
**SAVE LIVES**

**"Change Your Clock, Change Your Battery"**



[ifma.org](http://ifma.org)

**10:45am - 11:45am**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*

**Franklin Room - A**

113. Large Construction Site Fire Case Study. Is Your Jurisdiction Prepared?



**Franklin Room - B**

110. Passive Fire Protection - Effective Compartmentation, Structural Protection and the Fire Codes [368]

**Franklin Room - C**

125. Commercial Kitchen Cooking Operations and NFPA 17A: Inspecting Fire Suppression Systems

[NFPA 17A - Standard for Wet Chemical Extinguishing Systems]



**Franklin Room - D**

143. Fire Protection "By The Numbers" [B362]



**Fairfield Room**

117. Evaluating Fire Sprinkler Performance and Reliability: Data, Metrics, and Failure Analysis [364]

**CHARGE**  
*into Fire Safety™*

**Lithium-Ion Batteries  
in Your Home**

- BUY only listed products.
- CHARGE devices safely.
- RECYCLE batteries responsibly.

 FIRE PREVENTION WEEK™  
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**11:45pm - 1:15pm**

**Union Meeting Rooms - A, B, C, and D**

**"Lunch and Learn" a Conversation with Ohio's State Fire Marshal!**

*This interactive luncheon will address those issues important to you and Ohio's Fire Service. We will continue the discussion regarding the fire code and the "update rollout" and enforcement*

*[This meeting is awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*

**Union Meeting Room - E**

**Lunch** - for those not attending the "Lunch and Learn" with Ohio's Fire Marshal

**Lunch Menu for All**

- Smokey Grilled Chicken Thighs & Hot Honey Drizzle
- Mild Italian Sausages w/Fresh Peppers & Onions
- Salad - Romaine, Cucumber, Black Olive, Cheddar Cheese, Croutons & Ranch Dressing
- Sweet Corn Casserole
- New York Cheesecake with Strawberry topping
- Iced Tea and Coffee

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**1:20pm - 2:20pm**

*[These sessions are awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*



**Franklin Room - A**

101. The Role of NFPA 3 & NFPA 4 in Safeguarding Battery Energy Storage System (BESS) Facilities [B373]

**Franklin Room - B**

120. Fire & Egress Door Inspection Principles of NFPA 80 & NFPA 101

**Franklin Room - C**

126. Commercial Kitchen Cooking Equipment and System Inspections: Understanding NFPA 96

**Franklin Room – D**

137. Emergency Responder Communication Coverage and Two-Way Enhancement Systems [B305] –



Key updates on NFPA 1225, 2027 Edition what to know, what to do and how to implement

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**2:30pm - 3:30pm**

*[This meeting is awarded 1-hour of Fire Inspector CEU and 1-Hour of Firefighter CEU]*



**Franklin Room – B**

147. Navigating the Regulatory and Code Processes for Modular Buildings



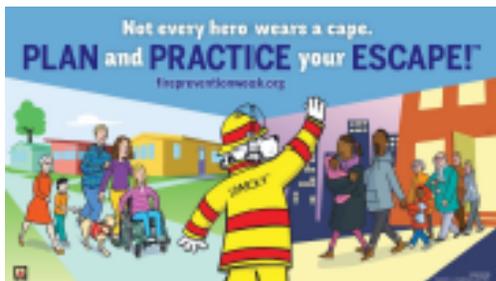
**Franklin Room – C**

122. Evolution of Cellular - NFPA 72 and UL compliant POTS alternatives for Fire Alarm Communications [B360]



**Franklin Room – D**

127. Significant Updates to the 2022 Edition of NFPA 72 [B310]



# Conference Workshop and Breakout Sessions

## Program Overview



**NOTE:** These two logos in the program descriptions (below) indicate this lecture has an been **APPROVED** by the Ohio Board of Building Standards (OBBS) for 1-hour of continuing education credit for building officials, fire protection inspectors, building inspectors and those who receive a separate certification from the State of Ohio [OBBS].

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### **101. The Role of NFPA 3 & NFPA 4 in Safeguarding Battery Energy Storage System (BESS) Facilities**

Presented By: ORR Protection Systems, Inc



With the proliferation of Battery Energy Storage Systems (BESS) across the grid, ensuring Inspection, Testing, and Maintenance (ITM) compliance is more critical than ever. Standards such as NFPA 3 and NFPA 4 are setting the tone for how these systems must be designed, commissioned, and maintained for safe operation.

This session, presented by a leading fire protection service provider, focuses on how organizations can transition from traditional maintenance practices to a code-compliant, data-informed ITM strategy—powered by AI and advanced analytics.

#### Learning Objectives:

- 1) Understanding the Role of NFPA 3 & NFPA 4 in BESS Fire Protection Design  
Attendees will gain a clear understanding of how commissioning (NFPA 3) and integrated testing (NFPA 4) serve as the foundation for verifying the functionality of life safety systems in complex BESS environments.
- 2) Applying These Standards in Containerized, Multi-System Installations  
Participants will learn how to practically apply NFPA 3 and 4 to BESS deployments that involve coordination between fire alarm, suppression, HVAC, gas detection, and battery shutdown interfaces.
- 3) Prepare for AHJ Submittals and Witness Testing

## **107. Improving Evacuation Skills of Developmentally Disabled Students and Adults**

Presented By: Collaborative Behavioral Services

Everyone Gets Out!! Be among the first to see this innovative system that can be implemented in homes, schools, group care facilities and more to help those with special needs to evacuate in a timely and safe fashion.

Learning Objectives:

- 1) Participants will learn some of the stressors involved with students and adults with special needs when being asked to evacuate
- 2) Participants will identify "trouble spots" in the places they operate
- 3) Participants will leave with a working knowledge of how to implement this program in their region/area

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## **108. Panel Discussion - Establishing a Statewide CRR program**

Presented By: Office of the Illinois State Fire Marshal

Establishing a statewide CRR program takes a different approach than focusing on one community. This presentation will be given by a former Illinois State Fire Marshal who is currently the coordinator for Illinois CRR, and representatives from Joliet and Peoria Fire Departments who have successfully formed partnerships in their communities to navigate the CRR process in their jurisdictions. Together, they are working with all of the Illinois state fire service organizations to promote CRR and provide education and resources to assist Illinois fire departments in the CRR process.

Learning Objectives:

- 1, What CRR is and is not,
2. Why should fire departments be involved with Community Risk Assessments and Community Risk reduction endeavors
3. How does a community benefit from Community Risk Reduction endeavors

## **110. Passive Fire Protection - Effective Compartmentation, Structural Protection and the Fire Codes**

Presented By: Firestop Contractors International Association & National Fireproofing Contractors Association



There is very clear direction provided to building owners and managers about fire-resistance in buildings through NFPA 1, NFPA 101, International Fire Code. Passive Fire Protection, including effective compartmentation (fire rated walls, floors, firestopping, fire dampers, fire doors, fire rated glazing) are critical parts of the building safety package, egress system, for the building owner to maintain. Even with clear direction from the fire codes, it seems that because they are ""out of sight/mind"", passive fire protection is forgotten. This program aims at fixing this problem.

The construction documents must clearly communicate assembly design/selection, installation, inspection AND maintenance requirements. The building owners really need to get on this bandwagon, as they are not there yet.

This program helps the fire official understand what to look for in passive fire protection in buildings to keep people safe.

### Learning Objectives:

1. Learn International Fire Code, NFPA 1 and 101 requirements for maintaining passive fire protection in buildings - fire-resistance rated assemblies, both effective compartmentation and structural fire protection – and what to request of the building owner and manager.
2. Understand what standards are used for fire resistance rated and smoke resistant assemblies.
3. Learn the key location for design professionals to include Specifications for the building owner and manager – so the fire code official is able to verify compliance of passive fire protection with the fire code.
4. Learn what documentation is needed for the building life cycle for the building owner and manager to be able to maintain passive fire protection in buildings - the fire-resistance rated and smoke resistant assemblies.

## **111. Fire Protection Systems - A Street-Level Guide to understanding compliance**

Presented By: Dayton, Ohio Fire Department



Do your fire companies really know the buildings in their first-due district? This session brings various concepts of fire protection systems down "to the street" for firefighters and company officers. Significant knowledge of standpipe and sprinkler systems, fire pumps, elevators, fire alarm control panels, smoke control systems, and other building safety features is often reserved for fire prevention or code enforcement personnel. Students will gain an understanding of complex fire protection system components that will enable them to apply the easy-to-remember principles on working incidents. Attendees are also guided in developing a realistic and engaging company-level pre-incident planning program. Case studies involving line-of-duty deaths and high-dollar-loss fires that occurred in buildings despite fire protection systems being in place are examined.

### Learning Objectives:

1. Identify basic operating principles and functionality of common fire protection features in buildings
2. Explain how to troubleshoot and resolve operational problems with existing fire protection systems
3. Distinguish applicable lessons learned from known firefighter fatality incidents involving multi-story and large-area structures where fire protection systems failed to contain the fire

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## **112. A Proactive Approach to Managing New Development Within Your Jurisdiction**

Presented By: City of West Des Moines, Iowa Fire Department

New development is happening at a rapid pace in most jurisdictions across the country. Staffing limitations and time constraints can cause plan reviews, construction site visits, and meetings with design professionals to be delayed or missed. When a building is constructed and opens, the Fire Service is stuck with the building for the life of the building. Taking a proactive approach before design and construction begins is your chance as the AHJ to set development projects up for a successful final inspection and issuance of a certificate of occupancy. This class will take an in-depth look at processes and programs that have been set up in West Des Moines, Iowa which is experiencing rapid growth.

Students will learn new approaches to pre-construction meetings, site plan reviews, building plan reviews, and fire code amendments that help keep design professionals, contractors, sub-contractors, and owners accountable, so they do their part to ensure the buildings are built to code requirements.

Learning Objectives:

1. Students will learn a proactive process to help get out in front of rapid development early in the process
2. Students will see detailed examples and learn information to help create policies and host pre-construction meetings
3. Students will work through some site plan and building permit examples to apply what they have learned and relate them to their jurisdictions.

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### **113. Large Construction Site Fire Case Study. Is Your Jurisdiction Prepared?**

Presented By: City of West Des Moines, Iowa Fire Department

New development is happening at a rapid pace in most jurisdictions across the country. Staffing limitations and time constraints can cause plan reviews, construction site visits, and meetings with design professionals to be delayed or missed. When a building is constructed and opens, the Fire Service is stuck with the building for the life of the building. Taking a proactive approach before design and construction begins is your chance as the AHJ to set development projects up for a successful final inspection and issuance of a certificate of occupancy. This class will take an in depth look at processes and programs that have been set up in West Des Moines, Iowa which is experiencing rapid growth. Students will learn new approaches to pre-construction meetings, site plan reviews, building plan reviews, and fire code amendments that help keep design professionals, contractors, sub contractors, and owners accountable, so they do their part to ensure the buildings are built to code requirements.

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2. Students will see detailed examples and learn information to help create policies and host pre-construction meetings
3. Students will work through some site plan and building permit examples to apply what they have learned, and relate them to their jurisdictions

## **114. NFPA 80 - Fire Doors: an Open & Shut Case**

Presented By: Merchantville Overhead Door Co. Inc.



This training session was developed by a distinguished team of experts in installation, maintenance, fire inspection, manufacturing, and code development. Its primary objective is to provide Fire Inspectors, State Fire Marshals, Authorities Having Jurisdiction (AHJs), and other building inspection officials with essential knowledge and foundational skills required to accurately assess rolling steel fire door assemblies for compliance with NFPA 80 standards.

The course covers owner responsibilities, critical standards, recordkeeping obligations, and assembly inspection procedures. It also provides insight into design advancements and performance benefits to support informed recommendations.

Whether undertaken to enhance personal expertise or to educate colleagues on the core principles of rolling fire door protection, this session serves as a comprehensive resource that professionals involved in fire protection or building inspection will find invaluable.

### **Educational Topics:**

1. Rolling fire door installation principles
2. Rolling fire door design variations
3. Integrated versus stand-alone FACP's
4. Electrical versus thermal activation
5. Applicable codes and standards
6. Periodic inspection and drop test principles
7. Record keeping requirements
8. Changes to NFPA 80 and Model Codes

## **115. Southpark Construction Site Fire: Anatomy of a Tragedy [NFPA 241, and the ICC Codes Included in the presentation]**

Presented By: The American Wood Council



This course provides an in-depth analysis of fire risks and hazards in construction sites, using real-world case studies, including the Southpark Construction Site Fire. Participants will learn about the critical role of NFPA 241 in preventing fire-related disasters and how proper planning, training, and adherence to fire safety regulations can mitigate risks. Key topics include sources of ignition and fuel, fire safety planning, emergency response strategies, fire prevention measures, and compliance with model codes. This course is ideal for construction professionals, fire safety managers, and regulatory officials seeking to enhance their knowledge of fire prevention and protection strategies in construction environments.

### Learning Objectives:

1. Recognize common sources of fuel and ignition that contribute to fire risks, including combustible materials, flammable liquids, and electrical equipment
2. Explain the key provisions of NFPA 241, including the responsibilities of the Fire Prevention Program Manager (FPPM) and the requirements for fire prevention plans
3. Outline the essential components of a fire safety plan, such as fire protection measures, site security, emergency evacuation procedures, and worker training
4. Evaluate the importance of early fire detection, standpipe installations, rapid communication, and collaboration with fire departments to ensure effective firefighting efforts
5. Examine real-world construction fire incidents, including the Southpark Construction Site Fire, to understand the consequences of inadequate fire safety measures and how to prevent similar tragedies

## 116. From Codes to Community Resilience: Integrating Fire Prevention and Emergency Management

Presented By: Sussex County, New Jersey Public Safety Academy



Community Risk Reduction (CRR) extends far beyond inspections and code enforcement—it is the bridge between fire prevention and emergency management that transforms compliance into resilience. By aligning fire codes, legal frameworks, and investigative practices with emergency management principles, agencies can better anticipate, mitigate, and respond to evolving community hazards. This integrated approach ensures that every fire inspection, public education campaign, and prevention initiative contributes to the broader goals of preparedness, continuity, and recovery. “From Codes to Community Resilience” explores how collaborative planning, informed enforcement, and proactive public outreach strengthen the safety net of our communities, moving from simply preventing fires to fostering true, all-hazards resilience.

### Learning Objectives:

#### 1. A Deeper Understanding of Integration

Participants will learn how Fire Prevention, Code Enforcement, and Emergency Management intersect to form a unified approach to Community Risk Reduction—connecting codes, plans, and people for stronger preparedness

#### 2. Actionable Strategies for Risk Reduction

Attendees will explore practical methods to align inspection data, prevention programs, and emergency plans to reduce hazards and enhance resilience within their jurisdictions

#### 3. Tools to Strengthen Community Resilience

Participants will walk away with frameworks and examples—such as THIRA integration, public education partnerships, and coordinated messaging—that build public trust and long-term safety across all hazards

## **117. Evaluating Fire Sprinkler Performance and Reliability: Data, Metrics, and Failure Analysis**

Presented By: National Fire Sprinkler Association (NFSA)



Most fire prevention and fire protection professionals believe that fire sprinklers work but they often lack the data to back up that belief. This session will examine fire sprinkler performance and identify metrics showing fire sprinkler effectiveness. Reasons for sprinkler ineffectiveness and failures will also be discussed with the goal of identifying measures that could increase fire sprinkler reliability.

Learning Objectives:

1. Analyze fire sprinkler performance in recent years
2. Identify indicators of positive fire sprinkler performance
3. Identify conditions where fire sprinklers were not effective or where they failed to operate

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## **118. Cooking Oil Storage Tank Systems in Commercial Kitchens**

Presented By: Restaurant Technologies, Inc.



Want to know more about why NFPA 30 features the Restaurant Technologies commercial cooking system featured in Chapter 19.7?

There are over 45,000 of these systems functioning across the U.S., mostly in quick serve restaurants such as McDonald's and in many grocery stores and fueling stations that serve food. The RT cooking oil storage tank system is a stand-alone, self-contained closed loop system. It does use a couple of pumps to move oil; however, these are UL listed cord connected appliances and plug into a standard duplex receptacle.

The assembly complies with the applicable requirements of UL-499. Restaurant Technologies, Inc. has such an excellent reputation that IFC Chapter 608 considers it the ideal cooking oil system. NFPA 30 Chapter 19.7 was written based on Restaurant Technologies' operation.

Learning Objectives:

1. NFPA 30 19.7 - Cooking Oil Storage Tank Systems in Commercial Kitchens
  2. IFC Chapter 607 - Commercial Cooking Oil Storage
  3. Cooking Oil tanks offer Improved Life Safety over Cooking oil in Jugs wrapped in cardboard
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**119. Fire Plan Review & Performance-Based Fire Protection Strategy Evaluations:  
Navigate Your Way Through the Gray**

Presented By: City of Redlands, California Fire Department



Emerging technologies, new approaches to building design and redevelopment, as well as dense community planning are increasing the use of performance-based compliance strategies to balance project priorities with safety requirements.

Attendees will be guided through recognized approaches to ensure of performance-based compliance strategies account for occupant safety, fire protection system coordination, as well as emergency response personnel tactical input. Frameworks for establishing a standardized review process applicable to NFPA or ICC Codes are included.

Learning Objectives:

1. At the conclusion of this presentation attendees will be able to recognize NFPA 1 Chapter 5 as the industry standard for developing or evaluating performance-based compliance strategies when utilizing both NFPA or International Code Council Codes
2. At the conclusion of this presentation attendees will be able to recognize the Design Scenarios of NFPA 1 Chapter 5 applicable to performance-based compliance strategies including Fire, Explosion, Hazardous Materials, and Safety During Building Use
3. At the conclusion of this presentation attendees will be able to recognize the Specific Performance Criteria of NFPA 1 Chapter 5 applicable to performance-based compliance strategies including Occupant Protection from Untenable Conditions, Emergency Responder Protection, Property Protection, and Public Welfare factors

## **120. Fire & Egress Door Inspection Principles of NFPA 80 & NFPA 101**

Presented By: DH Pace Compliance Services

This seminar is structured in two parts. The first half covers swinging fire door inspection criteria per NFPA 80-The Standard for Fire Doors and Other Opening Protectives. Common issues, corrections, and FAQs on fire doors and the standard are also addressed. The second half examines the law/code intent driving inspections of 4 specific egress door types per NFPA 101-The Life Safety Code. Followed by a review of egress door inspection criteria, acceptable locking arrangements, and guidance on repairing deficiencies.

1. Requirements for fire rated swinging door inspections required by NFPA 80
  2. Requirements for egress door inspections required by NFPA 101
  3. Common deficiencies and compliant repair methods for both
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## **122. Evolution of Cellular - NFPA 72 and UL compliant POTS alternatives for Fire Alarm Communications**

Presented By: Telguard



We will discuss the underlying problems with "*Plain Old Telephone Service*" (POTS) connectivity at all levels of communication, the symptoms being felt today, and how regulatory changes have impacted the adoption of alternate technologies. We will also take a deeper dive into the technologies that have been used for years (radios, cellular, internet routing), how they have evolved, and most importantly some of the new entrants that have begun to flood the market, taking advantage of the POTS situation. The goal of this presentation is to get a clear understanding on what the environment looks like today, what the proper alternatives are, and what emerging technologies are being used that provide a better alternative or may cause issues in the future.

Understanding technology is the first step, but learning how technology is being used, to understand benefits and pitfalls of current offerings is just as important. This educational session will cover a wide range of topics to bring to light pros and cons of current offerings and the possibilities of technology in the future.

Learning Objectives:

1. Explain the ongoing POTS situation from a technical and business perspective, and the impact that will continue to linger
  2. Analyze the alternatives that are currently allowed by NFPA72 code for fire communications
  3. Explore current and newly emerging technologies and their possible impact, as well as the way that compliant devices can create overlooked issues
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**123. Propane Bulk Plant Case Study in Inspection, Abatement, Code Compliance**

Presented By: Makuch Fire Safety Consultants



An in-depth examination of a multi-year effort focused on hazard recognition, inspection, abatement, and regulatory compliance. The seminar explores every stage of the abatement process, including coordination among local, state, and federal agencies, collaboration with multiple contractors, the civil court injunction process, and the steps taken to achieve full compliance.

Learning Objectives:

1. Understanding of the legal basis for inspection and enforcement from state statute through regulation, directive, and local ordinance
2. Understanding the involvement and coordination with local, state, and federal agencies that have unique areas of jurisdiction as well as overlapping jurisdictions
3. Understanding the use of the civil court and injunction process that overlays the code driven process
- 4-Understanding the code research process from the base codes through the referenced standards

## **124. Commercial Kitchen Cooking Operations and NFPA 17A: Fire Suppression Acceptance testing**

[NFPA 17A - Standard for Wet Chemical Extinguishing Systems]

Presented By: Precision Kleen, Inc

Commercial kitchen cooking operations generate intense heat, grease-laden vapors, and continuous fire risk, which is why NFPA 96 sets the benchmark for ventilation control and fire protection in these environments.

A crucial part of compliance is the fire suppression acceptance test, the formal process that proves a newly installed or modified system can actually detect, contain, and extinguish a real cooking fire. During this test, inspectors verify proper nozzle placement over appliances, confirm that fuel and power shutoffs activate instantly, check that exhaust fans respond correctly, and ensure the system discharges the correct agent volume and pattern.

It's not just a regulatory checkbox—it's the moment where engineering, installation, and safety converge to demonstrate that the kitchen's last line of defense will perform under pressure. Understanding this process helps operators appreciate why routine maintenance, accurate system design, and strict adherence to NFPA 96 are essential for keeping both people and property safe in high-hazard cooking environments.

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## **125. Commercial Kitchen Cooking Operations and NFPA 17A: Inspecting Fire Suppression Systems**

[NFPA 17A - Standard for Wet Chemical Extinguishing Systems]

Presented By: Precision Kleen, Inc

Commercial kitchen cooking operations rely on fire suppression systems as a critical safeguard, and regular inspections ensure these systems are ready to respond the moment a hazard arises.

A thorough inspection verifies that nozzles are unobstructed, detection lines are intact, and the system's manual pull stations function properly. Inspectors also check that cooking equipment is positioned correctly beneath the hood and that grease buildup hasn't

compromised the system's effectiveness. By confirming that cylinders are fully charged, seals are intact, and system components meet current code requirements, these inspections help prevent small flareups from escalating into catastrophic fires.

Consistent oversight not only protects staff and property but also keeps kitchens compliant with safety regulations and insurance standards.

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## **126. Commercial Kitchen Cooking Equipment and System Inspections: Understanding NFPA 96**

*[NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations]*

Presented By: Precision Kleen, Inc

Commercial kitchen cooking operations rely on NFPA 96 as the foundational standard for keeping ventilation and fire-suppression systems safe, effective, and compliant.

At its core, NFPA 96 outlines how hoods, ducts, fans, and grease-removal devices must be designed, installed, and maintained to prevent grease-laden vapors from becoming a fire hazard. It also details requirements for automatic fire-suppression systems, proper clearance from combustible materials, and routine inspection and cleaning schedules that match the intensity of a kitchen's cooking load.

When operators understand these key components, they're better equipped to reduce fire risks, protect staff and customers, and maintain a kitchen environment that meets both regulatory expectations and real-world safety needs.

## **127. Significant Updates to the 2022 Edition of NFPA 72**

Presented By: Underwriters Laboratories (UL)



The 2022 edition of NFPA 72, National Fire Alarm and Signaling Code, released in 2021, introduces a wide range of important updates affecting fire alarm and signaling systems. This seminar will highlight and explain the most notable revisions and what they mean for current practice.

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## **129. Acceptance Testing of Stationary Fire Pumps per NFPA 20**

Presented By: National Fire Sprinkler Association (NFSA)



Grounded in the requirements of NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, this one-hour seminar explores the essential operating principles of fire pumps and the acceptance testing procedures used to confirm proper system performance.

The session is especially valuable for fire and building code officials responsible for witnessing and approving fire pump acceptance tests.

Learning Objectives:

1. Explain the fundamental operating principles of fire pumps as outlined in NFPA 20 and describe how these principles influence system performance during acceptance testing
2. Identify and evaluate the required acceptance testing procedures for stationary fire pumps, enabling participants—especially fire and building code officials—to effectively witness, assess, and approve fire pump performance in the field.

## **130. Understanding Batteries, Codes, and Risk Management**

Presented By: Tesla

The rapid expansion of battery-powered systems—from consumer electronics to electric vehicles and energy storage systems—has introduced new challenges for fire and building safety professionals. This one-hour seminar equips fire code officials with a clear, practical understanding of how modern battery technologies intersect with fire codes, inspection practices, and risk-management strategies

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## **132. Standpipe Challenges - Understanding standpipe design in mid and high-rise buildings [IFC, IBC]**

Presented By: National Fire Sprinkler Association (NFSA)



This seminar will cover the difference between mid-rise and high-rise standpipe design, focusing on manual and automatic systems. The program will help firefighters and officers understand how to identify system types and overcome operational challenges encountered during operations in these types of structures. We will also examine fire department connections (FDC) placement, size-up and operational strategies for providing system demand.

Learning Objectives:

### **1. Differentiate Standpipe System Types**

Participants will be able to distinguish between mid-rise and high-rise standpipe configurations, including the critical differences between manual and automatic systems, and identify these systems in the field

### **2. Recognize Operational Challenges and Mitigation Strategies**

Participants will be able to evaluate common operational challenges encountered during standpipe operations—such as limited pressure, flow, and building access—and apply appropriate tactics to overcome them

### **3. Assess FDC Placement and Implement Effective Water Supply Strategies**

Participants will be able to assess fire department connection (FDC) locations, understand their impact on system performance, and develop effective size-up and water-supply strategies to meet system demand

### **133. From the Ashes: Post-Traumatic Growth in the Fire Service**

Presented By: Colerain Township, Ohio Fire and EMS

Gripped by close calls, line-of-duty deaths, and buried grief, I spiraled for a decade—promotions masking rage, home a battlefield, relationships hollow. Then 2018 cracked me open, and post-traumatic growth (PTG) roared in.

Through my raw, unfiltered story, watch Tedeschi & Calhoun's five domains ignite:

- Personal strength forged in fire
- New possibilities born from breakdown
- Deeper bonds with crew and family
- Fierce appreciation for every breath
- Spiritual renewal that rewired my soul

You'll:

- I. Map my chaos to the five domains and catch one echo in your own scars.
- II. Feel Post-Traumatic Growth's jagged, non-linear climb, no quick fixes, just real growth.
- III. Grab one domain, craft a 30-second firehouse ritual, and start your own comeback.

*"Walk in broken. Walk out unbreakable."*

Learning Objectives:

1. Map Post-Traumatic Growth domains to real experience
2. See Post-Traumatic Growth as non-linear
3. Adopt one domain for micro-practice

## **135. Emergency Response to Lithium-Ion Batteries Incidents [Response strategies including applicable codes and standards]**

Presented By: SenezCo



This session explores effective emergency response strategies for incidents involving lithium-ion batteries. Attendees will examine current response approaches, review the codes and standards that govern these events, and gain insight into how the fire service can strengthen both prevention and fire code efforts to on-scene operations when dealing with lithium-ion battery hazards.

Learning Objectives:

1. The Components of what makes up a battery and Thermal Runaway
  2. Codes and Standards for Lithium-Ion Batteries
  3. Emergency Response Tactics
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## **136. Rolling Kitchens, Safe Operations: Fire Safety & Code Compliance for Food Trucks**

Presented By: SenezCo



This presentation will discuss the importance of fire safety in regard to food truck. We will talk about things to look for on the food trucks, how to inspect the food trucks, and ensuring that we as fire safety personnel stay ahead of the game.

This session will highlight the critical role of fire safety in the operation of food trucks. We will cover code compliance, key hazards to watch for, best practices for conducting thorough inspections, and strategies to ensure fire safety personnel remain proactive and well-prepared in this rapidly evolving industry.

Learning Objectives:

1. History on Food Trucks/Lesson learned from Food Trucks
2. NFPA and Food Trucks
3. Inspections process

### **137. Emergency Responder Communication Coverage and Two-Way Enhancement Systems - Key updates on NFPA 1225, 2027 Edition what to know, what to do, How to implement**

Presented By: Underwriters Laboratories (UL)



[NFPA 1225, Standard for Emergency Services Communications]

Emergency Responder Communication Enhancement Systems (ERCES) NFPA 1225 Updates to the 2027 Edition offers a focused review of the most important changes affecting Emergency Responder Communication Enhancement Systems within the Codes and Standards Development Process. The course walks through the latest updates, explains how agencies and professionals can adopt them effectively, and outlines practical strategies for building a reliable, low-noise network that supports successful signal booster deployments.

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### **138. The Fire Code Official's Role in Reducing Unwanted Fire Alarms - Addressing Existing Fire Alarm Systems within Existing Occupancies**

Presented By: Underwriters Laboratories (UL)



This educational session provides attendees with an overview of fire alarm system compliance, particularly when existing systems are modified, equipment changed, or newer system components are needed or added. Emphasis provided through NFPA 72 Chapter 14, Inspection, Testing, and Maintenance as well as Chapter 23, Protected Premise Alarm and Signaling Systems. This session is oriented through model codes, references, resources, technical standards, and verifications as noted within the IBC, IFC, NFPA 72, NFPA 70, NFPA 13, UL 864, UL 827.

**139. Target Hazards Impacting the Fire Service and the Importance of Central Station Service to reduce Hazards. (Data Centers and Energy Storage Systems are discussed in this session)**

Presented By: Underwriters Laboratories (UL)

This educational session provides attendees with an overview of various fire service target hazards emphasizing Lithium-ion battery applications, concepts, behavior, and use generally and specifically within the built environment inclusive of Energy Storage Systems (ESS), and Data Centers occupancies. Additionally, fire and life safety challenges, methodologies, code requirements, systems, applications, and solutions for these occupancies will be presented and discussed with emphasis on Central Station Service as referenced within NFPA 72. This session is oriented through model codes, references, resources, technical standards, and verifications as noted within the IBC, IFC, NFPA 855, NFPA 72, NFPA 70, NFPA 13, UL 9540A, UL 9540B, UL 9540, and other applicable UL standards.

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**140. Significant Updates to the 2023 Edition of NFPA 25**

**[The Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems]**

Presented By: Koorsen Fire and Security



This seminar will discuss the changes made to the 2023 edition of NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems. This presentation will help you stay ahead of the game with the ever-changing requirements in NFPA 25.

Learning Objectives:

1. Determine the qualifications for a competent person
2. Identify and apply new definitions for “Floor Level” and “Exercise”
3. Identify updated frequencies for the testing of sprinklers

## 143. Fire Protection By The Numbers

Presented By: Fire Mark Consulting and The Fire Code Academy



Fire protection codes and standards are full of numbers, measurements, and calculations intended to quantify fire safety hazards and control measures. However, many users of these documents focus solely on the numbers while missing their origin, proper application, and intended use. Failure to understand the “why” behind a numerical requirement prevents proper use of it in a practical sense. This presentation focuses on everyday examples of the numbers found in commonly used codes and standards, their original derivation, and their proper application in the modern world. The discussion will include examples related to automatic sprinkler systems, fire detection and alarm systems, dust hazards, and similar common problems.

### Learning Objectives:

1. Explain the origin and intent behind key numerical requirements found in fire protection codes and standards, including how these values were derived and why they matter in practical applications
2. Apply numerical criteria correctly to real-world scenarios involving automatic sprinkler systems, fire detection and alarm systems, dust hazards, and other common fire protection challenges
3. Evaluate fire safety situations more effectively by interpreting numerical requirements within their proper context rather than relying solely on the numbers themselves

## 144. Managing Change for Fire Protection

Presented By: Fire Mark Consulting and The Fire Code Academy



This program addresses the identification and management of changes to facilities, systems, and hazards that affect overall fire protection. Many fire protection codes and standards, including more than 35 NFPA documents and the International Fire Code, require a comprehensive evaluation of facility fire protection when a change occurs. Whether you are a building owner or occupant, a public fire inspection professional, or an insurance company loss control representative, it's critical to recognize, understand, and know how to address changes that can easily compromise overall facility fire safety. These include changes in occupancy or use, changes in processes or materials, building changes, and changes in storage commodities, packing materials, and arrangements. The impact on the building's fire safety must be evaluated. History is replete with examples where building management failed to properly address and manage change, resulting in loss of life or destruction of a facility.

### Learning Objectives:

1. Recognize and assess changes that impact fire protection systems Participants will be able to identify changes in occupancy, processes, materials, building layout, or storage practices that may compromise a facility's fire safety
2. Apply fire protection codes and standards to evaluate facility changes Participants will understand the requirements of NFPA standards and the International Fire Code and use them to conduct comprehensive evaluations when modifications occur
3. Develop strategies to manage and mitigate fire safety risks associated with change Participants will learn how to address identified hazards, implement

## **145. Introduction to NFPA 72 - Fire Alarm Systems**

Presented By: Silco Fire and Security



This presentation provides an overview of fire alarm systems. In addition, we will review initiating devices, notification devices, and the basics of fire alarm system design and installation. This seminar introduces attendees to NFPA 72 and the system requirements.

Whatever the reason, an automatic fire detection and alarm system generally provides a network of manual call points, heat and smoke detectors, and alarm warning devices over the area covered. Once activated, the devices send signals to the fire alarm panel which in turn activates audio and visual devices including lights and sounders. The system may also send its signal to an offsite monitoring station. It is imperative that anyone working within the fire alarm industry understand the code requirements for the design, installation, operation and maintenance of these life safety devices.

Learning Objectives:

1. Explain the scope and purpose of NFPA72
2. Explain the format of NFPA 72 and the chapter layout
3. Describe devices used for initiation of alarms
4. Describe devices used in system notifications

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## **146. Have a Plan: Fire Alarm Inspection and Testing per NFPA 72 Chapter 14.**

**[NFPA-72 The National Fire Alarm and Signaling Code]**

Presented By: Kldde

This presentation provides a clear, practical roadmap for conducting fire alarm inspection, testing, and maintenance in accordance with NFPA 72 Chapter 14. Attendees will learn how to develop and implement a structured plan that ensures systems are evaluated thoroughly, documented properly, and kept in reliable operating condition. We will break down the code's requirements for frequencies, methods, recordkeeping, and qualified personnel, while highlighting common deficiencies and best practices for avoiding them. Whether you oversee life-safety systems, perform inspections, or manage facility

compliance, this session equips you with the knowledge and confidence to maintain a fully compliant fire alarm program that supports occupant safety and regulatory readiness.

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### **147. Navigating the Regulatory and Code Processes for Modular Buildings**

Presented By: The Halligan Group

Modular construction continues to expand across commercial properties, campuses, and community developments, but with that growth comes a complex landscape of codes, standards, and approval pathways. This session demystifies the regulatory process for modular buildings by breaking down how various regulatory requirements intersect from design through occupancy. We will explore common pitfalls, jurisdictional challenges, and best practices for coordinating with authorities having jurisdiction (AHJs), ensuring compliance with fire and life-safety codes, and maintaining clear documentation throughout the project. Whether you are an AHJ, facility manager, contractor, or safety professional, this session equips you with the knowledge to confidently guide modular projects through a compliant and efficient approval process.

