



Conference Education Program

Tuesday, September 13, 2022

2021 IPC Changes

Presenter Name: Richard Anderson, Chad Winn

Description: This course introduces participants to the major changes from the 2018 IPC to the 2021 IPC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

2021 IPC Critical Provisions

Presenter Name: Scott Winn, Mark Fasel

Description: This course will address the most important topics in the 2021 International Plumbing Code. This will include topics that are a common source of confusion and/or friction between inspectors and contractors.

2021 IMC/IFGC Combustion Air and Venting

Presenter Name: Jim Cika, Scott Winn

Description: This course reviews and analyzes selected requirements for combustion air & venting systems. The course will summarize the purpose and content of combustion air & venting systems contained in the 2021 IFGC and 2021 IMC. Discussion will include requirements for masonry fireplaces, fireplace accessories, factory-built fireplaces, hearth extensions, gas hearth requirements/fireplace inserts/wood burning stoves/pellet burning appliances and forced-air warm-air furnaces. Instructor-led examples included of one and two opening methods, as well as mechanical combustion air applications.

Introduction to Backflow

Presenter Name: Mark Winn, Gary Gauthier

Description: This seminar will introduce you to the backflow requirements that are included in the 2021 International Plumbing Code (IPC). This course will teach participants the essentials of cross-connection control. The course will focus on the basics hydraulics which governs the principles of backflow and cross-connection control and the hazards of backflow and typical backflow prevention assemblies. The causes of backflow and samples will be reviewed.



Leadership in the Modern Era

Presenter Name: Matthew Winn

Description: This course explores what leaders who have positively impacted our lives have in common. We also explore why the most common modern approach to leadership only works for the short-term rather than creating a long-term legacy of positive progress. The course provides a framework for leaders to consider and intentionally work toward improving their leadership results.

Exceptional Customer Service

Presenter Name: Matthew Winn

Description: Rising customer expectations coupled with the trend toward fewer staff delivering more services means there is a great opportunity to rise above the crowd in our delivery of excellent customer service. First, we must clear what constitutes excellent service and then provide a framework to train, evaluate, and improve—both personally and organizationally. This course will define a set of clear principles visible in the actions of every great customer service delivery process.

The 7 C's and Communicating in a Digital Environment

Presenter Name: Mark Matheny, Ed Lisinski

Description: A soft skills course identifying 7 key elements of successful interactions throughout the construction industry. In addition, this course identifies techniques and methods of communicating in a digital and post pandemic world with best practices and practical applications.

Future of Trades

Presenter Name: PPO Panel Discussion

Description: This course explores the challenges encountered in the building and construction trades backfilling retiring professionals with the next generation. It also explores what can and is being done to reverse the trends in order to stabilize the future of our national infrastructure.



2021 IRC Changes

Presenter Name: Sandra Hyde, Jessie Sorenson

Description: This seminar covers the critical changes within the 2021 International Residential Code (IRC). Changes to loads, framing, egress, cladding, energy and electrical requirements are discussed.

2021 IECC Changes

Presenter Name: Jerica Stacey

Description: This course introduces participants to the major changes from the 2018 to the 2021 International Energy Conservation Code (IECC). The intent, scope and applicability of the 2021 IECC requirements for commercial and residential building projects will be discussed.

2021 IFC Changes

Presenter Name: Kevin Scott

Description: This course introduces participants to the major changes from the 2018 to the 2021 International Fire Code (IFC). The intent and application of the new and revised requirements and code provisions in the 2021 IFC will be discussed.

2021 IBC Changes

Presenter Name: Doug Thornburg, Jay Woodward

Description: This seminar provides an overview of key nonstructural changes between the 2018 and 2021 editions of the International Building Code (IBC). Important additions, deletions, modifications and clarifications to the 2021 IBC from the 2018 edition will be discussed.

2021 IEBC Essentials

Presenter Name: Tim Ryan

Description: This seminar will introduce critical concepts of the 2021 International Existing Building Code® (IEBC®). It will provide a basis for the correct use and application of the code. It will build an understanding of the intent of the code through detailing basic tables, and categorizations.



2023 NEC Analysis of Changes

Presenter Name: Joseph Wages

Description: This presentation will be a sneak peek at the major changes for the National Electrical Code (NEC)- 2023 Edition. New articles and major changes that have been developed for the 2023 NEC will be discussed and reviewed.

Preparing the Fire Service for Responses to Energy Storage Systems

Presenter Name: Michael O'Brien

Description: This class will outline changes made through the code development process on Energy Storage Systems, and the role of the code officials play in supporting our residents as well as the fire service. The program will outline the precautions placed on the systems, review case studies and discuss the process from start to training and response.

Online Services – Permitting, Plan Review and Remote Inspections

Presenter Name: Dan Foster

Description: For any jurisdiction the benefits of providing access online to services and the processes involved to provide those services for constituents are well recognized. Faster access to the applications with automated notifications reduces foot traffic in the office and presumably lowers staff costs while improving constituent satisfaction with faster access to information and the desired services. While the benefits seem obvious, there is much planning that needs to go into what services should be deployed including:

- How many different constituent types are you looking to serve with your online efforts?
- How complex is the service provided via the office today that you're thinking of moving online?
- Do you fully understand all constituent and staff pain points in your current permitting and/ or plan review processes, and have you adequately addressed them in moving to a digital service model?
- How much experience with your process do your various constituents have? How do you
- provide online services in support of constituents whose experience with technology is going to be all over the board?
- How does your internal support staff need to evolve and change to deal with more people
- accessing information online?
- What are other information sources will you need to link to in the process to provide full online service?
- How will you maintain and update information sources online as they change?
- What kind of communications are required to help transition a population to use of more online services?

In our 90-minute session we will explore these questions and more while providing examples for online services and experience in this space that will help the audience see and understand the traps and potential hidden headaches and costs that might be involved in this process.



Offsite Construction

Presenter Name: Dave Tompos

Description: Interest in off-site construction continues to grow as communities and the building industry look to address multiple challenges around housing affordability and availability, access to a skilled workforce, building quality, sustainability, and jobsite safety. However, off-site construction can come in many forms potentially causing confusion on how to design, construct and regulate projects. Regulatory requirements and the roles of participants in the construction process can change based on the type of off-site construction used. This course provides an introduction to off-site construction covering common technologies and processes for both commercial and residential buildings, the key participants in the off-site construction process and the general regulatory approaches used.

Safety and Violence Mitigation Strategies

Presenter Name: Scott Kirshner

Description: Safety & Violence Mitigation Strategies provides relevant and practical information on being safer in the performance of your job. Since 2017 there have been five homicides of code professionals and numerous high-profile incidents to include shootings requiring law enforcement intervention to resolve the threat. In this presentation Scott Kirshner, author of the book Officer Survival for Code Enforcement Officers, covers 3 factors of violent encounters, 3 Stages of Confrontation Management, the relevancy of “time” pertaining to Stimulus-Response, an abbreviated version of the Fear Model, the importance of situational awareness, and the SPAR Safety Model. Attendees will learn violence mitigation strategies that can be immediately implemented for improved safety.