**Agenda**

**Overview of Major Changes in 2020 National Electrical Code**
- Fault current references
- Alignment of GFCI requirements
- Ampacity of conductors

**New Articles for the 2020 NEC**
- 262 Overvoltage protection
- 337 Type P cable
- 800 Gen requirements for communication systems

**Chapter 1: NEC General, Articles 100 – 110**
- Definitions
- Electrical connections
- Identification of disconnecting means
- Space about electrical equipment

**Chapter 2: Wiring and Protection, Articles 210 – 250**
- Grounded conductors
- Branch circuits
- Overvoltage protection
- Grounding and bonding

**Chapter 3: Wiring Methods, Articles 300 – 370**
- Conductors for general wiring
- Medium voltage cable
- Conductor volume calculations
- Type P cable
- Multi-outlet assembly

**Chapter 4: Equipment for General Use, Articles 400 – 490**
- Switches
- Luminaries
- Appliances
- Motor circuits

**Chapter 5: Special Occupancies, Articles 500 – 590**
- Classified locations
- Commercial garages
- Motor fuel dispensing facilities
- Assembly occupancies
- Agricultural buildings
- RV parks
- Marina and docks
- Temporary installations

**Chapter 6: Special Equipment, Articles 600 – 695**
- Electric signs
- Elevators and lifts
- Electric vehicles
- Pools and fountains
- Fire pumps

**Chapter 7: Special Conditions, Articles 700 – 770**
- Emergency systems
- Interconnected power production
- Critical operations power systems
- Fire alarm systems
- Optical fiber cables

**Chapter 8: Communications Systems, Articles 800 – 840**
- General requirements
- Communications circuits
- Powered broadband systems

**Chapter 9: Tables and Informative Annexes**
- Tables
- Annex C raceway fill
- Annex D examples
- Final notes

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**National Electrical Code 2020**

**Columbus, OH - Friday, April 17, 2020**

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**Learning Objectives**

You’ll be able to:

**Explain** new articles on overvoltage protection, medium voltage conductors and communication systems in the 2020 National Electrical Code.

**Discuss** dwelling service disconnect requirements, required surge protection, and other major changes to the brand new 2020 National Electrical Code.

**Understand** the limited access working space requirement and short-circuit current documentation.

**Learn** about GFCI protection for non-dwelling units and single phase dwelling services and feeders.

**Identify** requirements for emergency systems, fire alarm circuits and communications circuits.

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**Two CEUs**

**7.0 CPD Hours/PDHs**

**7.0 HSW Continuing Ed. Hours**

**7.0 AIA LU|HSW**

**Professional Engineers**

**Architects**

**Ohio Electrical Contractors**

**International Code Council**

**.7 CEUs (Electrical)**

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- Model Output and Troubleshooting: Fri., March 27, 2020, 11:00 AM - 12:30 PM CDT
- Large Watershed Model and Other Applications: Fri., March 27, 2020, 1:30 - 3:00 PM CDT

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