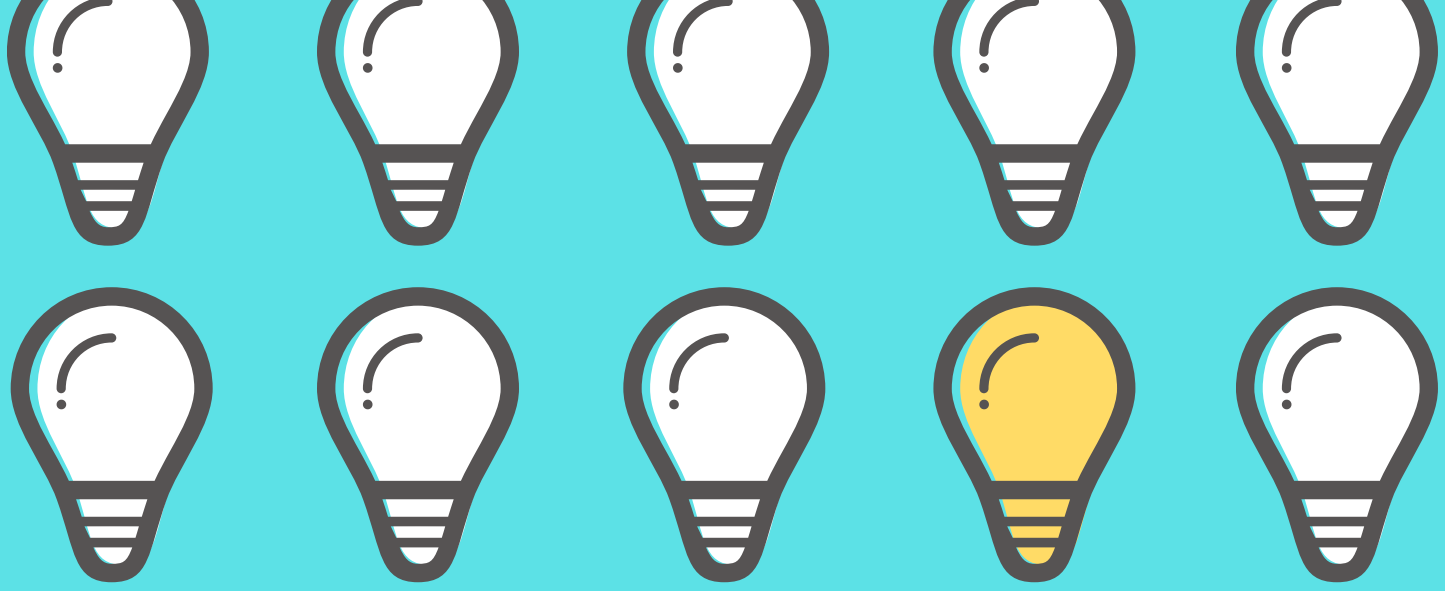

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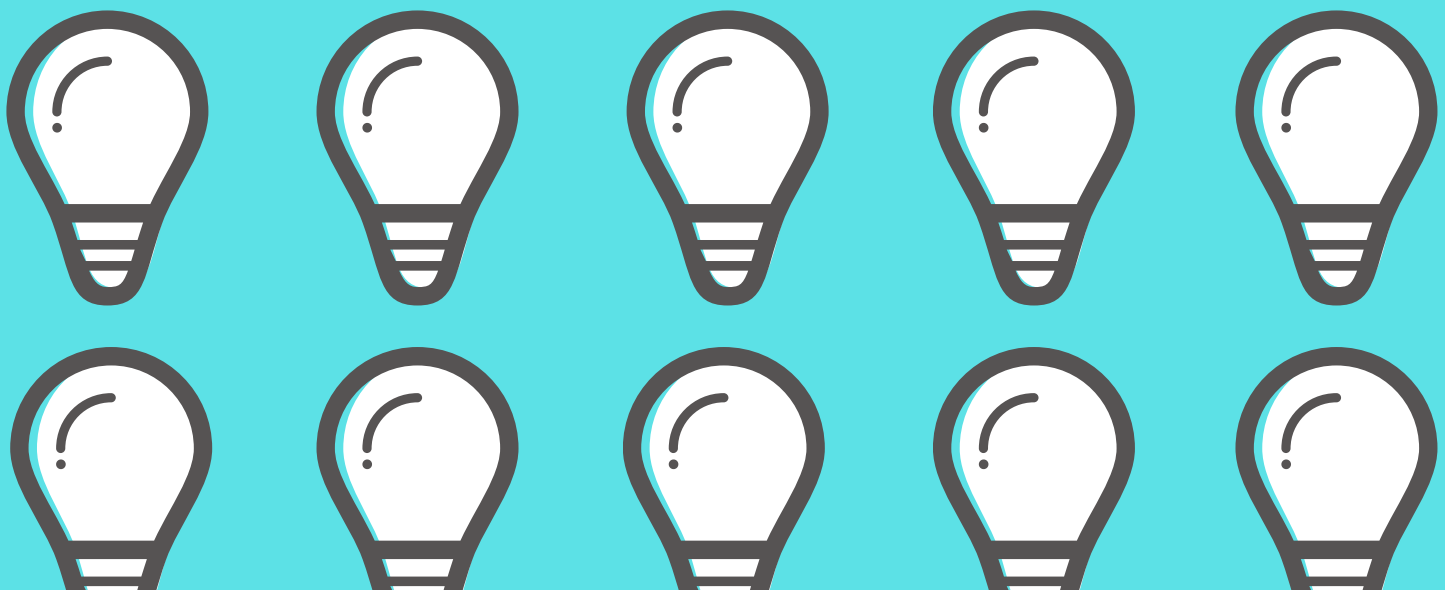
WHAT'S NEW IN THE 2020 NEC - LIST OF CHANGES

by Randy Hunter and Christel Hunter



What's New in the 2020 NEC

Article 90
- 90.2 Changes to what is covered and not covered

Article 100 new and modified definitions:
- Dormitory
- Fault Current
- Fault Current Available
- Free Air
- Grounded Conductor
- Habitable Room
- Power Production Equipment
- Reconditioned
- Service Drop

Article 110
- 110.5 New conductor material
- 110.16(D) Termination connection Torque
- 110.21 (A)(2) Reconditioned Equipment
- 110.22 Identification of Disconnection Means
- 110.26(A)(3) Height of Working Space
- 110.26(C)(2) Large Equipment
- 110.26 (C)(3) Personnel Doors
- 110.26(E) Dedicated Space

Article 200
- 200.6 Conductor Identification, multiple modifications
- 200.9 and 10 Identification of Terminals

Article 210
- 210.8 Ground Fault-Interrupter Protection for Personnel, identifying to changes to locations and expansion of GFCI coverage
- 210.12 Arc-Fault Circuit Interrupter,
- 210.52 Dwelling Unit Receptacle Outlets
- 210.52(C) Countertop and Work surfaces, including the changes related to Peninsulas and Islands.
- 210.52(G)(1) Garages
- 210.63 Equipment Requiring Servicing
- 210.65 Meeting Rooms

Article 220
- 220.12 Changes to the lighting loads for all occupancies

What's New in the 2020 NEC

220.42 Lighting Load Demand Factors
220.53 Appliance Loads
220.87 Determining Existing Loads

Article 230
230.46 Spliced and Tapped Conductors
230.62 Service Equipment — Enclosed or Gaurded
230.67 Surge Protection
230.71 Maximum Number of Disconnects
230.85 Emergency Disconnects

Article 240
240.6(C) Restricted Access Adjustable-Trip Circuit Breakers
240.67 Arc Energy Reduction Fuses
240.87 Arc Energy Reduction Circuit Breakers

Article 242
New Article for Overvoltage

Article 250
250.30(A)(6)(a)(1) & (b) Common Grounding Electrode Conductor and Tap Conductor Size
250.53(C) Bonding Jumpers
250.64(B)(2) Exposed to Physical Damage
250.64(E) Raceways and Enclosures for Grounding Electrode Conductors
250.68(C)(3) Grounding Electrode Conductor Connections
250.109 Metal Enclosures
250.122(B) Increase in Size

Article 300
300.3(B)(1) Paralleled Installations
300.4(G) Fittings
300.7(A) Sealing
300.25 Exit Enclosures

Article 310
Major reorganizational formatting has been done to this Article
310.4 Conductor Construction and Applications
310.8 Marking
310.12 Single-Phase Dwelling Services and Feeders
310.15 Ampacity Tables (310.16 thru 310.21)

What's New in the 2020 NEC

Article 311
- New Article to deal with conductors rated over 2000 volts.

Article 314
- 314.16 Number of Conductors in Outlet, Device, and Junction Boxes and Conduit Bodies
- 314.16(B)(5) Equipment Grounding Conductor fill
- 314 27(C) Boxes and Ceiling-Suspended (Paddle) Fan Outlets

Article 320
- 320.30 Securing and Supporting
- 320.80(A) Ampacity in Thermal Insulation

Article 330
- 330.104 Conductors
- 330.130 Hazardous (Classified) Locations

Article 334
- 334.30 Securing and Supporting
- 334.104 Conductors

Article 337
- New article for Type P cable

Article 342 and 344
- XXX.10(E) Severe Physical Damage
- XXX.14 Dissimilar Metals

Article 350
- 350.10 Uses Permitted
- 350.30(A) Securely Fastened

Article 358
- 358.14 Dissimilar Metals

Article 392
- 392.44 Expansion Splice Fittings
- 392.46 Bushed Conduit and Tubing

Article 404
- Scope
- 404.9(B) Grounding

What's New in the 2020 NEC

404.14(E) Dimmer and Electronic Control Switches

Article 406
- 406.4(D)(4) Replacements Arc Fault Circuit Interrupters
- 406.9(C) Bathtub and shower Space
- 406.12 Tamper-Resistant Receptacles

Article 408
- 408.4(A) CIrcuit Directory or Circuit Identification
- 408.6 Short-Circuit Current Rating
- 408.8 Reconditioning of Equipment
- 408.18(C) Connections
- 408.43 Panelboard Orientation

Article 410
- 410.42 Luminaire(s) with Exposed Conductive Parts
- 420.69 Identification of Control Conductors Installation
- 410.116(C) Installation in Fire-Resistive Construction
- 410.118 Access to Other Boxes
- Part XVI Special Provisions for Horticultural Equipment

Article 422
- 422.5 Ground-Fault Circuit-Interrupter (GFCI) Protection for Personnel
- 422.13 Storage-Type Water Heaters
- 422.16 Flexible Cords

Article 430
- 430.7(A) Usual Motor Applications
- 430.122(D) Several Motors or a Motor and Other Loads

Article 440
- 440.9 Grounding and Bonding

Article 445
- 445.6 Listing
- 445.18 Disconnecting Means and Emergency Shutdown

Article 450
- 450.9 Ventilation

Article 480
- 480.2 Storage Battery

What's New in the 2020 NEC

480.4 Battery and Cell Terminations
480.7(B) Emergency Disconnect
480.7(G) Identification of Power Sources
480.12 Battery Interconnections

Article 501
501.10(A)(1) Wiring Methods

Article 511
511.12 Ground-Fault Circuit-Interrupter Protection for Personnel

Article 514
514.11 Emergency Electrical Disconnects

Article 517
517.2 Definitions
517.10 Not Covered
517.16 Use of Isolated Ground Receptacles
517.21 GFCI in Category 2(General Care) and Category 1(Critical Care) Spaces
517.30(B)(3) Battery Systems as Sources of Power
517.31(C)(1) Separation of Other Circuits
517.34(A) Task Illumination, Fixed Equipment and Selected Receptacles

Article 545
545.1 Scope
545.20 Relocatable Structures

Article 555
555.1 Scope
555.5 Maximum Voltage
555.9 Boats Hoist
555.35 GFP and GFCI Protection

Article 680
680.2 Definitions
680 Inspections After Installation
680.21(D) Pool Pump Replacement
680.22(A)(5) Pool Equipment Room
680.26(B)(2) Perimeter Surfaces
680.54(B) Bonding

Article 690

690.13(A) Location
690.15(B) Isolating Device
690.31(B) Identification and Grouping
690.31(C)(1) Single-Conductor Cable
690.31(D)(2) Marking and Labeling Requirements
690.31(F) Wiring Methods and Mounting Systems
690.41(B) Ground-Fault Protection
690.56(C) Buildings and Rapid Shutdowns

Article 700
700.5(A) General
700.16 Emergency Illumination
700.32 Selective Coordination

Article 705
705.10 Identification of Power Sources
705.11 Supply-Side Source Connections

Article 706
706 Multiple Locations
706.15 Disconnecting Means
706.20 Dwelling Units

End of List

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