| 2017 *NEC*® Summary of Changes | | |
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| **NEC Section** | **First Revision/Second Revision** | **Synopsis of Change** |
| **Article 90** | | |
| 90.2(A) | FR1 | Revision to clarify some NEC rules apply to removals. |
| 90.2(B) | FR2 | Revision to include "Energy Storage" to the list of NEC scope exclusions. |
| 90.3 | FR3 | Revision to permit Chapters 5, 6, and 7 to modify each other. |
| 90.7 | SR1 | Revision to require suitability of product safety standards to be compatible with the *Code*. |
| 90.8(B) | FR4 | Editorial |
| **Article 100** | | |
| Scope | FR-6 | Revision to specify the Part I definitions apply for electrical systems operating at 1000 volts or less and Part II definitions apply for electrical systems operating over 1000 volts. |
| Accessible, Readily (Readily Accessible) | SCR35 | Revision to clarify that ready access is not precluded by the use of keys. New Informational Note covering supervised or controlled conditions. |
| Associated Apparatus | FR-3919 | Relocation to Article 100 because the term is used in more than one article. |
| Associated Nonincendive Field Wiring Apparatus | FR-3923 | Relocation to Article 100 because the term is used in more than one article. |
| Building | FR9 | Revision for correlation with model building codes. |
| Cable Routing Assembly | FR4503 | Revision to include Type PLTC cables in plenum, riser, and general-purpose applications. |
| Coaxial Cable | FR4501 | Relocation to Article 100 because the term is used in more than one article. |
| Combustible Dust | FR-3929 | Relocation to Article 100 because the term is used in more than one article. |
| Combustible Gas Detection System | FR-3904 | Relocation to Article 100 because the term is used in more than one article. |
| Communications Equipment | SR4506 | New informational note to identify that the definition includes computer/data processing equipment. |
| Communications Raceway | SR4505 | Revision to include Type PLTC cables and data cables associated with information technology and communications equipment. |
| Composite Optical Fiber Cable | FR4513 | Relocation to Article 100 because the term is used in more than one article. |
| Conductive Optical Fiber Cable | FR4513 | Relocation to Article 100 because the term is used in more than one article. |
| Control Drawing | FR-3906 | Relocation to Article 100 because the term is used in more than one article. |

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| Coordination, Selective (Selective Coordination) | FR2701 | Editorial |
| Cord Connector [as applied to Hazardous (Classified) Locations] | SR-3913 | New term used in multiple hazardous (classified) location articles. |
| Cutout Box | FR2402 | Editorial |
| Dust-Ignitionproof | FR-3907 | Relocation to Article 100 because the term is used in more than one article. |
| Dusttight | FR-3910 | Relocation to Article 100 because the term is used in more than one article. |
| Electric Sign | FR-5144 | Revision to correlate with product standard by including signs that are electrically operated. |
| Electrical Circuit Protective System | FR-4502 | Relocation to Article 100 because the term is used in more than one article. |
| Field Evaluation Body (FEB) | FR-1041 | New definition extracted from NFPA 790-2014, *Standard for Competency of Third-Party Field Evaluation Bodies.* |
| Field Labeled (as applied to evaluated products) | FR-1041 | New definition associated with equipment that has been field evaluated. |
| Hermetically Sealed | FR-3912 | Relocation to Article 100 because the term is used in more than one article. |
| Information Technology Equipment (ITE) | FR-3340 | Relocation to Article 100 because the term is used in more than one article and revised to cover IT equipment rated up to 1000 volts. |
| Innerduct | FR4511 | Relocation to Article 100 because the term is used in more than one article. |
| Interactive Inverter | FR-995 | Revision to recognize that inverters can be interactive with other than utility power sources. |
| Intrinsically Safe Apparatus | FR-3920 | Relocation to Article 100 because the term is used in more than one article. |
| Intrinsically Safe System | FR-3921 | Relocation to Article 100 because the term is used in more than one article. |
| Mobile Equipment | FR-3926 | Relocation to Article 100 because the term is used in more than one article. |
| Nonconductive Optical Fiber Cable | FR4514 | Relocation to Article 100 because the term is used in more than one article. |
| Nonincendive Circuit [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |
| Nonincendive Component [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |
| Nonincendive Equipment [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |
| Nonincendive Field Wiring [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |

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| Nonincendive Field Wiring Apparatus [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |
| Oil Immersion [as applied to Hazardous (Classified) Locations] | FR-3913 | Relocation to Article 100 because the term is used in more than one article. |
| Optical Fiber Cable | FR4514 | Relocation to Article 100 because the term is used in more than one article. |
| Photovoltaic (PV) System | FR-901 | Editorial |
| Portable Equipment | FR-3926 | Relocation to Article 100 because the term is used in more than one article. |
| Pressurized [as applied to Hazardous (Classified) Locations] | FR-3924 | Relocation to Article 100 because the term is used in more than one article. |
| Process Seal [as applied to Hazardous (Classified) Locations] | FR-3999 | New term used in multiple hazardous (classified) location articles. |
| Purged and Pressurized [as applied to Hazardous (Classified) Locations] | FR-3915 | Relocation to Article 100 because the term is used in more than one article. |
| Raceway | FR2147 | Editorial |
| Receptacle | FR-5114 | Editorial: MOS |
| Simple Apparatus [as applied to Hazardous (Classified) Locations] | FR-3921 | Relocation to Article 100 because the term is used in more than one article. |
| Structure | FR13 | Revision to include the phrase "other than equipment." |
| Unclassified Locations [as applied to Hazardous (Classified) Locations] | FR-3916 | Relocation to Article 100 because the term is used in more than one article. |
| Voltage, Nominal | SR24 | Revision to update edition date of referenced standard in Informational Note No. 2. New informational note on battery units. |
| Article 100, Part II | FR-7 | Revision to indicate that terms are unique to systems operating over 1000 volts. |
| Substation | FR-2429 | Relocation from Part I to Part II with revisions that distinguish substations from other types of electrical distribution and control equipment. |
| **Article 110** | | |
| 110.3(A) Informational Note | FR31 | New informational note to clarify equipment can apply to new, used, refurbished, or reconditioned. |
| 110.3(C) | SR2 | New requirement for product testing, evaluation, and listing to be performed by a qualified testing laboratory in accordance with applicable product standards. |
| 110.5 | FR39 | Revision to include aluminum. |
| 110.9 | FR37 | Editorial |

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| 110.11 Informational Note | FR35 | New informational note referring to other codes for flood provision requirements. |
| 110.12 | SR3 | Editorial |
| 110.14 | FR41 | Revision to delete the informational note to correlate with new 110.14(D). |
| 110.14(D) | FR40 | New requirement for tightening torque values and calibrated torque tool to achieve torque value. |
| 110.16 | SR11 | Revision to require additional marking requirements for non-dwelling unit service equipment rated 1200 amperes or more. |
| 110.21(A) | SCR22 | Revision to include equipment marking requirements for reconditioned equipment. |
| 110.21(B) | SCR22 | Editorial |
| 110.22(C) Informational Note | FR44 | New informational note refers to a standard that provides additional information on series tested systems. |
| 110.24(A) | SR10 | Revision to require calculation be documented and made available to those authorized to design, install, inspect, maintain, and operate the system. |
| 110.25 | FR46 | Editorial |
| Part II | FR47 | Revision to upper level of circuit voltages covered. |
| 110.26(A) | FR15 | Revision to upper level of circuit voltages covered and new Informational Note referencing NFPA 70E - 2015, *Standard for Electrical Safety in the Workplace.* |
| Table 110.26(A)(1) | FR15 | Revision to address working spaces for upper level of circuit voltages. |
| 110.26(A)(3) | FR15 | New exception to correlate with 480.9(D) for top clearances for battery systems on open racks. |
| 110.26(A)(4) | SR12 | New working space requirements for "limited access" areas. |
| 110.26(A)(5) | FR15 | New requirement for separation from high-voltage equipment. |
| 110.26(D) | FR19 | Editorial |
| 110.26(E)(2) Exception | SR14 | New exception to permit structural overhangs or roof extensions in this zone. |
| 110.27(A) | SR16 | Revision to upper level of circuit voltages covered. |
| 110.27(C) | FR49 | Revision to upper level of circuit voltages covered. |
| 110.28 | SR17 | Revision to upper level of circuit voltages covered and updates the standard title in Information Note No. 2. |
| Part III | FR51 | Revision to upper level of circuit voltages covered. |
| 110.30 | SCR21 | Revision to upper level of circuit voltages covered and reference to 110.41. |

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| Table 110.31 | SR19 | Revision to correlate with 110.26(A)(5) and 110.26(F)(2) and updates the standard title in the table note. |
| 110.31(A) | FR22 | Editorial |
| 110.31(A)(5) | SR18 | Update to title and edition date of referenced standard. |
| 110.31(B)(1) | FR23 | Revision to delete "unit substation" to correlate with the definition of "Substation" in Article 100. |
| 110.31(D) | SCR23 | Editorial |
| 110.33(A)(2) | FR24 | Revision to upper level of circuit voltages covered. |
| Table 110.34(A) | FR25 | Revision to correlate with Table 110.26(A)(1). |
| 110.34(B) | SR23 | Revision to upper level of circuit voltages covered. |
| 110.34(C) | FR27 | Revision to upper level of circuit voltages covered. |
| 110.34(D) | FR28 | Revision to prohibit control by automatic means only. |
| Table 110.34(E) | SR21 | Revision to correlate with 110.27(A)(4). |
| 110.41 | FR36 | New section that requires pre-energization and operating tests. |
| Part IV | FR53 | Revision to upper level of circuit voltages covered. |
| Part V | FR29 | Editorial |
| 110.73 | SCR24 | Revision to upper level of circuit voltages covered. |
| 110.74 | FR54 | Revision to upper level of circuit voltages covered. |
| **Chapter 2** | | |
| **Article 200** | | |
| 200.6(D) | FR-1201 | Editorial |
| **Article 210** | | |
| 210.1 | FR-7512 | Revision to state Article 210 contains the general requirements for branch circuits. |
| 210.3 (formerly 210.2) | SR-303 | Table revised by removing cross-references to amendatory branch circuit requirements contained in Chapters 5, 6, and 7. |
| 210.4(D) | FR-322 | Revision to reference 200.4(B) for grouping of all conductors of multiwire branch circuits. |

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| 210.5(C)(1) | SR-304 | New exception to requirement for marking conductors supplied from systems with different voltages. |
| 210.5(C)(2) | SR-305 | Revision to provide additional means for marking direct current conductors. |
| 210.6 D) | FR-345 | Revision to accommodate LED-type luminaires. |
| 210.7 | SR-306 | Revision to clarify requirement applies to devices and/or equipment on the same mounting strap or yoke. |
| 210.8 | SR-318 | Revision to provide direction on how receptacle proximity is determined. |
| 210.8(A)(7) | SR-316 | Revision to indicate receptacle proximity is measured from top inside edge of sink bowl. |
| 210.8(B) | SR-322 | Revision to expand GFCI protection to more receptacle voltage, phase, and current ratings. |
| 210.8(B)(3) | SR-322 | New exception to clarify ready access requirement for GFCI-type receptacles located on rooftops. |
| 210.8(B)(5) | SR-322 | Revision to indicate receptacle proximity is measured from top inside edge of sink bowl and to correlate Exception No. 2 with terms used in Article 517. |
| 210.8(B)(9) | SCR-117 | New requirement for GFCI protection of receptacles in crawl spaces. |
| 210.8(B)(10) | SR-322 | New requirement for GFCI protection of receptacles in unfinished areas of basements. |
| 210.8(E) | SR-317 | New requirement for GFCI protection of 120-volt lighting outlets installed in crawl spaces. |
| 210.11(C)(3) | FR-330 | Revision to clarify the required branch circuit can supply receptacle outlets in more than one bathroom. |
| 210.11(C)(4) | SR-324 | New requirement for a 20-ampere branch circuit dedicated to garage receptacle outlets. |
| 210.12(B) | SR-320 | Revision to reference AFCI protection methods specified in 210.12 (A), to add bathrooms to the areas required to be protected, and to include “devices” installed at locations not meeting the definition of *Outlet*. |
| 210.12(C) | FR-352, SR-328 | New requirement for AFCI protection in guest rooms and guest suites. |
| 210.12(D)[formerly 210.12 (B)] | SR-328 | Relocated from 210.12(B) and revised to also include dormitory units. |
| 210.17 | FR-353 | Relocated to 625.40. |
| 210.17 (formerly 210.18) | FR-357 | Relocated from 210.18. |
| 210.18 (formerly 210.3) | FR-357 | Relocated from 210.3. |
| 210.52(A)(2) | SR-307 | Revision to include work surfaces that are not countertops and to cover fixed panels in exterior and interior walls. |
| 210.52(A)(4) | SR-307 | Revision to also apply to work surfaces that are not countertops. |
| 210.52(B)(1) Exception No. 2 | SR-308 | Revision to permit the exception to be applied to any appliance. |

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| 210.52(C) | SR-309 | Revision to also apply to work surfaces that are not countertops. |
| 210.52(C)(1) | SR-309 | Revision to also apply to work surfaces that are not countertops. |
| 210.52(C)(3) | SR-309 | Revision to specify that peninsula countertops are considered to extend from the perpendicular wall at the end of the peninsula. |
| 210.52(C)(5) | SR-309 | Revision to also apply to work surfaces that are not countertops. |
| 210.52(D) | SR-310 | Revision to clarify receptacle outlet location where the basin is installed in or on a countertop and to specify the type of receptacle outlet permitted in or on a bathroom countertop. |
| 210.52(G) | FR-310 | Revision to include garages, accessory buildings, and basements at two-family dwellings. |
| 210.52 (G) (1) | SR-326 | Revision to number and location of garage receptacle outlets. |
| 210.64 | FR-323 | Revisions on measurement, location, and applicability. New exception for services rated more than 120 volts to ground that supply certain types of equipment. |
| 210.70(A)(2) | SR-325 | Revision to permit dimmer control of stairway lighting outlet(s). |
| 210.71 | SR-329 | New requirement for receptacle outlets in meeting rooms. |
| **Article 215** | | |
| 215.1 | FR-338 | Revision to clarify Article 215 requirements are not limited to only feeders supplying branch circuit loads. |
| 215.2(A)(1) Exception Nos. 1 and 3 | FR-337 | Relocation of existing exceptions to directly follow the requirement to which they apply. |
| 215.2(A)(1) Exception No. 2 | FR-337 | New exception permitting use of conductor ampacity associated with high insulation temperature rating for<br>that portion of the feeder installed outside of supply and termination equipment enclosures. |
| 215.2(A)(2) | FR-336 | Editorial |
| 215.3 | FR-335 | Clarification that conductors operating at up to 1000 volts are covered in Parts I through VIII. |
| 215.9 | FR-334 | Revision to require feeder level GFCI devices be “readily accessible.” |
| 215.12(A) | FR-332 | Revision to clarify grounded conductor identification is required only where conductor is insulated. |
| 215.12(C)(2) | SR-327 | Revision to provide additional means for marking direct current conductors. |
| **Article 220** | | |
| Table 220.3 | FR-340 | Revision to remove references to requirements that are not directly related to calculating electrical load and those references to load calculation requirements contained in Chapters 5, 6, and 7. |
| 220.12 Exception No. 2 | SR-313 | New exception for bank and office occupancies permitting reduction of lighting load based on allowable load density prescribed by adopted energy codes. |
| 220.14(G) | FR-327 | Revision to clarify that show window load calculation is based on linear measurement. |

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| 220.87 | FR-344 | Revision to clarify how the 15 minute maximum demand is determined. |
| **Article 225** | | |
| 225.4 | FR-904 | Revision to update conductor insulation type to reflect current wire and cable manufacturing practice. |
| 225.7(D) | FR-902 | Revision to upper level of circuit voltages covered. |
| 225.10 | FR-1023 | Editorial |
| 225.12 | FR-905 | Revision to reflect materials currently used in the manufacture of insulators. |
| 225.17 | FR-906 | Editorial |
| 225.18 | SR-907 | Editorial |
| 225.19(A) | FR-908 | Revision to correlate with the *National Electrical Safety Code*. |
| 225.19(D)(2) | SR-908 | Editorial |
| 225.19(D)(3) | FR-910 | Editorial |
| 225.27 | FR-920 | Revision to expand applicability of requirement. |
| 225.30(F) | SR-902 | New requirement to cover multiple feeders supplying a one- or two-family dwelling. |
| 225.36 | FR-923 | Editorial |
| 225.38(C) | SR-904 | Editorial |
| 225.56(B) Informational Note | Global SR-916 | Update to title and edition date of referenced standard. |
| 225.60(C) Informational Note | Global SR-916 | Update to title and edition date of referenced standard. |
| 225.61 (B) Informational Note | Global SR-916 | Update to title and edition date of referenced standard. |
| **Article 230** | | |
| 230.7 | SR-905 | Editorial: MOS |
| 230.7 Exception No. 1 | FR-926 | Revision to use term that is more commonly associated with supply-side installations. |
| 230.7 Exception No. 2 | SR-905 | Editorial (MOS) |
| 230.9 (B) | SR-906 | Editorial |

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| 230.10 | FR-928 | Revision to also prohibit service equipment from being supported by vegetation. |
| 230.24(B) | FR-929 | New requirement covering service conductor clearance above railroad tracks. |
| 230.29 | SR-909 | Revision covering bonding metal structures used to support service conductors. |
| 230.30(A) Exception | FR-930 | Revision to replace "judged to be suitable" with “approved.” |
| 230.40 Exception No. 3 | FR-931 | Editorial |
| 230.41 Exception | FR-932 | Revision to replace "judged to be suitable" with “approved.” |
| 230.42(A) | SR-910 | Revisions to clarify how minimum conductor ampacity and busway rating is determined. |
| 230.44 | SR-911 | Revisions to clarify requirements for single conductors installed in cable tray and to provide separate list item for tray cable. |
| 230.53 | FR-903 | Revision to provide more objective assessment criteria. |
| 230.54(C) | SR-912 | Revision to clarify requirement applies to service raceways and service cables. |
| 230.66 | SR-919 | New exception to allow utility supplied and controlled meter sockets to be unlisted. |
| 230.75 | FR-938 | Editorial |
| 230.82(6) | FR-939 | Revision to include additional electric supply systems. |
| 230.91 | FR-948 | Revision to clearly indicate location of service disconnecting means in relation to fuses used as the service overcurrent protective device. |
| 230.95(C) | SR-915 | Revision to specify test procedure and who can perform the required testing. |
| **Article 240** | | |
| 240.2, Tap Conductor | FR2702 | Editorial |
| 240.6(A) | FR2703 | Revision to move the standard ampere rating sizes to new Table 240.6(A). |
| 240.21(C)(4) | FR2705 | Editorial |
| 240.24(A) | SR2701 | Editorial |
| 240.67 | SR2702 | New requirement to provide means to reduce incident energy for fuses rated 1200 amperes or higher. |
| 240.87 | FR2706 | Revision to add two additional arc flash mitigation methods. New Informational Notes to assist with application. |
| **Article 250** | | |

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| Table 250.3 | FR1202 | Revision to include 820.106 and Articles 770 and 830. |
| 250.4(A)(1) Informational Note | SCR48 | New Informational Note to reference NFPA 780, *Standard for the Installation of Lightning Protection Systems.* |
| 250.4(B)(1) Informational Note | SCR49 | New Informational Note to reference NFPA 780, *Standard for the Installation of Lightning Protection Systems*. |
| 250.6(B) | FR1205 | Editorial |
| 250.21(A) | FR1207 | Editorial |
| 250.22 | SR1203 | New list item (6) to correlate with 393.60(B). |
| 250.24(C)(1) | FR1209 | Revision to include “cable” to provide consistent sizing requirements for raceways and cables. |
| 250.24(C)(2) | FR1210 | Revision to include “cable” to provide consistent sizing requirements for raceways and cables. |
| 250.30(A)(1) | FR1213 | Revision to replace “transformer” with “separately derived system." |
| 250.30(A)(4) | SR1210 | Revision to better describe a grounding electrode and recognize the water pipe and the structural metal frame as covered in 250.68(C) that are being used are not grounding electrodes. |
| 250.30(A)(5) | SR1205 | Editorial |
| 250.36(A)(6) | SR1206 | Revision to better describe a grounding electrode and include the conductors that are suitable to extend the grounding electrode connection. |
| 250.36(A), (B) & (D) | FR1234 | Editorial |
| 250.52(A)(2) | FR1217 | Editorial revision. New informational note provides examples of metal in-ground support structures. |
| 250.52(A)(2) | FR1217 | Editorial |
| 250.52(B)(3) | SR1209 | New list item to specify a pool-bonding grid as prescribed in 680.26(B)(1) and (B)(2) shall not be used as a grounding electrode. |
| 250.53(F) | FR1221 | Editorial |
| 250.60 Informational Note 1 & 2 | SR1211 | Revised editorially to correlate with NFPA 780, *Standard for the Installation of Lightning Protection Systems.* |
| 250.64(B) | SCR50 | Editorial |
| 250.64(E) | SR1214 | Editorial |
| 250.64(F)(3) | FR1226 | Revision to include length requirements to correlate with changes made to 250.64(D)(1)(3) in the 2014 *NEC*. |
| 250.66(A), (B), and (C) | SR1215 | Revision to clarify “daisy chaining” grounding electrodes to form a grounding electrode system and sizing requirements. |
| 250.68(C)(1) | SCR51 | Revision to identify interior metal water piping no more than 5 ft inside of a building is permitted to extend the connection to a grounding electrode. |

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| 250.68(C)(2) | SR1216 | Revision relocates text from 250.52(A)(2) to permit the structural metal frame of a building to serve as a conductor to interconnect electrodes when the hold-down bolts for a steel column are connected to a concrete encased electrode. |
| 250.68(C)(3) | SR1216 | Revision to permit a rebar-type concrete encased electrode to extend the grounding electrode connection and provides additional installation requirements to prevent any corrosion due to contact with the earth. |
| 250.80 | FR1206 | Editorial |
| 250.86 | SR1217 | Editorial |
| 250.94 | FR1215 | Revision to include an alternate connection option that allows connections to be made on a common busbar with other bonding jumpers. |
| 250.102 | FR7509 | Revision to add “grounded conductor” to the title and add aluminum and copper clad aluminum to clarify size requirements for larger conductors if the ungrounded supply conductors are different material than the bonding jumper. |
| 250.104(A)(1) | SR1220 | Revised to provide permitted locations to bond metal water piping to and correlation with applicable sections for sizing bonding jumpers. |
| 250.104(A)(2) | SR1220 | Revised to replace reference to 250.122 with 250.102(D). |
| 250.104(A)(3) | SR1220 | Editorial |
| 250.104(B) | SR1220 | Revised to include that where bonded to one or more grounding electrodes, the grounding electrode conductor or bonding jumper to the grounding electrode must be of sufficient size and to replace reference to Table 250.102(C)(1) with 250.122. |
| 250.104(C) | SR1220 | Editorial |
| 250.104(D) | SR1220 | Editorial |
| 250.104(D)(1) and (2) | SR1220 | Revised by replacing the reference to Table 250.66 with Table 250.102(C)(1) for sizing bonding jumpers. |
| 250.104(D)(3) | SR1220 | Editorial |
| 250.118(5)c | FR1229 | Revision to provide a maximum trade size to correlate with the U.L. listing for flexible metal conduit used for equipment grounding. |
| 250.119(B) | SR1221 | Revision to require identification to encircle the conductor. |
| 250.119(C) | FR1231 | Revision to require equipment grounding conductors in flexible cords to be insulated. |
| 250.122(B) | FR1236 | Revision to clarify increasing size of the equipment grounding conductor shall be in the same proportion as the increase in the size of the ungrounded conductors and only applies to account for voltage drop. |
| 250.122(F) | SCR52 & SCR53 | Revision to separate requirements for conductors in parallel for individual conductors installed in raceways or cable tray and installation of multiconductor cables. Revision to include sizing requirements for the equipment grounding conductors. |
| 250.148 | SR1227 | Revision to clarify that all of the equipment grounding conductors present in the box are required to be connected together regardless of the circuit they are associated with. |
| 250.186 | SR1228 | Revision to provide clarity and consistency with 250.24(C). Reference to Table 250.66 and 12 ½ percent requirements were deleted and replaced with reference to Table 250.102(C)(1). |
| 250.187(B) | SR1229 | Editorial |

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| 250.191 | SR1230 | Update to title and edition date of referenced standard. |
| 250.194 | SR1231 | Update to reference standard edition year. |
| **Article 280** | | |
| 280.3 | FR3474 | Editorial |
| 280.4 | SR1233 | Update to title and edition date of referenced standard. |
| 280.12 | SR1234 | Relocated from 280.2. |
| 280.14 | FR1248 | Relocated from 280.12. |
| 280.24(A) | SR1235 | Editorial |
| **Article 285** | | |
| 285.6 | SR1237 | Revision to require SPDs be labeled in addition to listed. |
| **Chapter 3** | | |
| 300.3(B)(1) | FR601 | Revision to include the neutral and grounded conductors are included in the isolation permitted. |
| 300.3(B)(4) Exception | FR602 | Revision to add “columnwidth panelboard” to the title. |
| Table 300.5 | SR623 | Revision to add a note to address burial depth requirements for pool, spa, and fountain lighting. |
| 300.5(B) | FR605 | Revision to delete the last sentence since 110.14(B) already covers this requirement. |
| 300.5(D)(4) | FR606 | Revision to include electrical metallic tubing to the permitted raceways. |
| 300.5(F) | FR607 | Revision to include conductor. |
| 300.5(G) | FR608 | Revision to require spare or unused raceways to be sealed with sealants identified for use. |
| 300.5(J) | FR609 | Revision to informational note that adds "cables and conductors." |
| 300.7(B) | SR602 | Revision to include expansion-deflection or deflection fittings as acceptable methods. |
| 300.11 | SR603 | Revision to include a separate section to address requirements for wiring systems above suspended ceilings and to update the edition of referenced standards in the informational note. |
| 300.12 | FR611 | Editorial |
| 300.19(A) | SR604 | Editorial |

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| 300.19(C) | FR613 | Editorial |
| 300.22(B) Exception | FR614 | New exception that permits wiring methods meeting listed low smoke and flame spread properties. |
| 300.22(C)(3) | SR605 | Revision to correlate with 300.22(C)(1) for for low smoke and heat release properties. |
| 300.37 Exception | SR624 | New exception for airfield lighting cable. |
| **Article 310** | | |
| 310.10(H)(5) | FR1501 | Editorial |
| 310.15(A)(2) | FR1502 | Editorial |
| 310.15(B)(3)(a)(4)(d) Exception | FR1503 | New exception requires 60 percent adjustment factor when stacked or bundled longer than 2 in. |
| 310.15(B)(3)(c) | SR1506 | Deletion of Table 310.15(B)(3)(c) and addition of a requirement where the distance above the roof to the bottom of the raceway or cable is less than 23 mm (7/8 in.), a temperature adder of 33°C (60°F) shall be included. |
| 310.15(B)(7) | SR1505 | Revision to include a single-phase 208Y/120-volt system. |
| 310.15(B)(7)(5) | FR1504 | New item requiring application of correction or adjustment factors. |
| Table 310.15(B)(16), (18), and (20) | FR1505 | Revision to include a reference to 310.15(B)(3)(a). |
| 310.60(B) | FR1520 | Relocated from 310.60(C). |
| 310.60(B) Informational Note 1 | FR1506 | Revision to delete reference to IPCEA publication. |
| 310.60(B)(2) | FR1507 | Editorial |
| Table 310.104(A) | FR1517 | Revision to include Thermoset XHHN and moisture-resistant Thermoset XHWN and XHWN-2. |
| **Article 312** | | |
| 312.1 | FR2401 | Revision to indicate application does not apply above 1000 volts unless specifically referenced elsewhere in the *Code*. |
| 312.5(C) | SR2402 | Editorial |
| Table 312.6(A) and Note 2 | SR2403 | Revision to include compact stranded aluminum conductors. |
| 312.8 | SR2401 | Revision to permit power monitoring equipment to be installed within switch or overcurrent device enclosures. |
| **Article 314** | | |
| 314.15 | FR2405 | Revision to include specifications on the sizing and geometry for drainage openings. |

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| 314.16(A) and (B) | FR2406 | Revision to include requirements for boxes that include internal barriers. |
| 314.17(B) | FR2407 | Revision to include requirements for minimum cable sheath length for metal boxes. |
| 314.19 | FR2408 | Editorial |
| 314.20 | SR2404 | Revision to clarify the requirements apply to flush-mounted installations. |
| 314.23(B)(1) | SR2405 | Revision to clarify mounting hole requirements. |
| 314.27(E) | SR2406 | Revision to clarify support requirements for separable attachment fittings. |
| 314.28(E)(1) | SR2407 | Revision to require power distribution blocks to be marked "suitable" when installed on the line side of service equipment or equivalent. |
| **Article 320** | | |
| 320.6 | FR-1808 | New requirement for Type AC cable and fittings to be listed. |
| 320.30(A) | SR-1802 | Revision to require listed cable ties identified for securement. |
| 320.30(B) | FR-1810 | Editorial |
| 320.30(D) | FR-1812 | Revision to clarify supporting and securing are not required for these specific applications. |
| **Article 322** | | |
| 322.6 | FR-1801 | New requirement for Type FC cable and fittings to be listed. |
| 322 Part III | FR-1802 | Editorial: MOS |
| **Article 324** | | |
| 324.12 (5) | SR-1804 | Revision to not prohibit Type FCC in administrative areas of hospital and school buildings. |
| 324 Part III | FR-1803 | Editorial: MOS |
| **Article 326** | | |
| 326.24 | FR-1805 | Editorial |
| **Article 328** | | |
| 328.6 | FR-1814 | New requirement for Type MV cable and fittings to be listed. |
| 328.14 | FR-1819 | Revision to informational note that adds reference to NECA MV cable installation standard. |

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| 328.30 | SR-1815 | New requirement for supporting and securing Type MV cable. |
| **Article 330** | | |
| 330.6 | FR-1816 | New requirement for Type MC cable and connecting fittings to be listed. Listing requirement covering MC cable fittings was in deleted 330.40. |
| 330.15 | FR-1820 | New requirement covering exposed installations of Type MC cable. |
| 330.30(A) | SR-1807 | Revision to require listed cable ties identified for securement. |
| 330.30(D) | FR-1822 | Revision to clarify supporting and securing are not required for these specific applications. |
| 330.40 | FR-1817 | Requirement moved to new 330.6. |
| **Article 332** | | |
| 332.6 | FR-1806 | New requirement for Type MI cable and fittings to be listed. |
| 332 Part III | FR-1802 | Editorial: MOS |
| **Article 334** | | |
| 334.12(A)(2) | FR-1826 | Revision to more accurately describe the space above a dropped or suspended ceiling. |
| 334.30 | SR-1811 | Revision to require listed cable ties identified for securement. |
| 334.30(B)(2) | FR-1831 | Revision to specify occupancy types in which unsupported length of cable can be installed in the space above an accessible ceiling. |
| 334.80 | FR-1825 | Revision to replace "derated" with "calculated." |
| **Article 336** | | |
| 336.6 | FR-1833 | New requirement for Type TC cable and fittings to be listed. |
| 336.10(2) | FR-1832 | Revision permitting Type TC cable in cable tray that is mechanically discontinuous. |
| 336.10(7) | FR-1832 | Revisions to clarify installation conditions and to specify exception applies only to this permitted use. |
| 336.10(9) | SR-1808 | New permitted use for generator connections at one- and two-family dwellings. |
| 336.10(10) | FR-1839 | Relocation of condition covering direct burial from 336.12(4). |
| 336.10(11) | SR-1809 | New permitted use for Class I, Division 1 and Zone 1 locations that correlates with requirements in Chapter 5 hazardous (classified) location articles. |
| **Article 338** | | |

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| 338.6 | FR-1827 | New requirement for Types SE and USE cables and fittings to be listed. |
| 338.10(B)(4) | FR-1828 | Revision to limit conductor operating temperature restriction to cables with ungrounded conductors sized 10 AWG and smaller. |
| 338 Part III | FR-1841 | Editorial: MOS |
| **Article 340** | | |
| 340.6 | FR-1829 | Revision to require fittings used with Type UF cable to be listed. |
| **Article 342** | | |
| 342.10(B) | FR2120 | Editorial |
| 342.10(C) | FR2121 | Editorial |
| 342.14 | FR2129 | Revision to clarify acceptable fittings. |
| 342.30(B) | FR2130 | Editorial |
| 342.60 | FR2131 | Revision to include stainless steel. |
| 342.12 | FR2132 | Editorial |
| **Article 344** | | |
| 344.10(A)(3) | FR2134 | Editorial |
| 344.10(B)(1) | FR2135 | Editorial |
| 344.10(C) | FR2136 | Editorial |
| 344.14 | FR2137 | Revision to clarify acceptable fittings. |
| 344.30(B) | FR2138 | Editorial |
| 344.1 | FR2139 | Editorial |
| **Article 348** | | |
| 348.30(A) | FR2166 | Revision to require cable ties to be listed and identified for securement and support. |
| **Article 350** | | |
| 350.10 | FR2168 | Revision to remove specific references with a general reference to Chapter 5. |

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| 350.28 | FR2169 | New section to require trimming and removing of rough edges. |
| 350.3 | FR2170 | Revision to require cable ties to be listed and identified for securement and support. |
| **Article 355** | | |
| 355.12(A) | FR2111 | Revision to update 501.10(B)(3) with 501.10(B)(1)(6). |
| **Article 356** | | |
| 356.10 Informational Note and (5) | FR2102 | Editorial and revision to replace "LFNC-B" with "LFNC." |
| 356.12(2) | FR2103 | Revision to replace "approved" with "listed." |
| 356.30 | FR2104 | Revision to replace "LFNC-B" with "LFNC" and require cable ties to be listed and identified for securement and support. |
| **Article 358** | | |
| 358.10 | SR2102 | Revision to add clarity, addition of stainless steel EMT, and relocation of requirements from 358.12. |
| 358.12 | SR2103 | Revision to add clarity and to relocate requirements to 358.10. |
| 358.14 | FR2142 | Section 358.12(6) relocated to new section and revision to clarify acceptable fittings. |
| 358.3 | SR2104 | Editorial |
| 358.100 | FR2143 | Revision to clarify metal types used in the manufacture of EMT. |
| **Article 360** | | |
| 360.2 | FR2117 | Editorial |
| **Article 362** | | |
| 362.12 | FR2114 | Revision to removes the upper voltage limitation. |
| 362.20(B) | FR2116 | Revision to increase the maximum size permitted. |
| 362.30 | FR2115 | Revision to require cable ties to be listed and identified for securement and support. |
| **Article 366** | | |
| 366.1 | FR2171 | Editorial |
| 366.2 | FR2172 | Editorial |

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| 366.6 | FR2178 | Editorial |
| 366.10 | FR2173 | Editorial |
| 366.20 | FR2179 | New requirement for grouping where conductors are installed in parallel. |
| 366.22 | FR2174 | Editorial revision and adds "cables." |
| 366.23 | FR2175 | Editorial |
| 366.30 | FR2176 | Editorial |
| 366.56(B) | FR2180 | Editorial |
| 366.60 | FR2177 | Editorial |
| 366.100(E) | FR2181 | Editorial |
| **Article 368** | | |
| 368.2, Busway | FR2146 | Editorial |
| 368.17(C) Exception 4 | FR2148 | New exception to permit alternative methods of providing ready access. |
| Part IV | FR2149 | Revision to upper level of circuit voltages covered. |
| 368.214 | FR2150 | Editorial |
| 368.240 | FR2151 | Revision to upper level of circuit voltages covered. |
| **Article 370** | | |
| 370.12 | FR2152 | Revision to correlate with Chapter 5. |
| 370.23 Exception | FR2153 | Revision to remove the upper voltage limitation. |
| 370.80 | SR2110 | New requirements to clarify ampacities for cablebus installations. |
| **Article 372** | SR2105 | Entire Article has been renumbered to align with the raceway numbering format. |
| **Article 374** | SR2106 | Entire Article has been renumbered to align with the raceway numbering format. |
| **Article 376** | SCR | |
| 376.20 | FR2182 | New requirement for grouping where conductors are installed in parallel. |

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| 376.22 | FR2183 | Revision to add "cables." |
| 376.23 | FR2184 | Editorial |
| 376.56(B)(1) | SCR38 | Revision to require power distribution blocks to be marked "suitable" when installed on the line side of service equipment or equivalent. |
| **Article 378** | | |
| 378.20 | FR2106 | New requirement for grouping where conductors are installed in parallel. |
| 378.22 | FR2107 | Editorial revision and adds "cables." |
| **Article 384** | | |
| 384.2 | FR2156 | Editorial |
| 384.6 | SR2111 | Revised to remove "closure strips." |
| 384.10 | FR2158 | Revision to remove the voltage limitation and revise the reference to Chapter 5. |
| 384.22 | FR2159 | Revision to add "cables." |
| **Article 386** | | |
| 386.2 | FR2155 | Editorial |
| 384.6 | SR2111 | Revision to remove "closure strips." |
| 386.70 | FR2162 | Editorial |
| **Article 390** | | |
| 390.3(B) | FR2164 | Editorial |
| **Article 392** | | |
| 392.1 | FR2122 | Revision to update the reference standard edition year in the informational note. |
| 392.10(E) | SR2107 | New requirement for airport lighting cables installed in cable trays. |
| 392.20(A) and (B) | FR2123 | Revision to upper level of circuit voltages covered. |
| 392.22(A) | FR2124 | Revision to address requirements for fill calculations where dividers are used. |
| 392.60 | FR2125 | Editorial |

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| 392.80(A) and (B) Informational Notes | SR7506 | New informational note that refers to 110.14(C) and 110.40 for additional conductor limitations. |
| **Article 396** | | |
| 396.2 | SR-1814 | New definition of *Insulated Conductor.* |
| Table 396.10 | FR-1837 | Editorial |
| **Article 398** | | |
| 398.1 | FR-1838 | Revision to increase voltage limitation from 600 volts to 1000 volts. |
| **Article 399** | | |
| 399.10 | SR-1815 | Revision to update existing reference and to add a reference standard in informational note. |

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| **Chapter 4** | | |
| **Article 400** | | |
| Article 400 Title | Global FR-1510 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| 400.1 Informational Note | SCR-36 | New informational note to advise that flexible cords used in listed cord sets and power supply cords are covered by this article. |
| 400.3 | Global SR-1502 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| 400.4 | FR-1509 | Editorial |
| Table 400.5(A)(1) | FR-1518 | Revision to add ampacities for cords with conductor sizes 7, 5, and 3 AWG. |
| 400.6(A) | Global SR-1502 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| 400.10 | Global FR-1519 | Relocation from 400.7 for uses permitted and revised to include "flexible." |
| 400.12 | Global SR-1504 | Relocation from 400.8 for uses not permitted and revised to include "flexible cord sets and power supply cords." |
| 400.12(5) | SR-1504 | New exception to correlate with 300.22(C)(3). |
| 400.14 | Global SR-1502 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| 400.17 | Global SR-1502 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| 400.21(A) | FR-1508 | Revision to add "flexible" before “cable” to correlate with 400.1. and "copper" before “flexible stranding.” |

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| 400.21(B) | Global SR-1502 | Revision to add "flexible" before “cable” to correlate with 400.1. |
| **Article 402** | | |
| 402.3 Informational Note | FR-1515 | Revision to correlate with 310.104. |
| 402.12 | Global FR-1519 | Relocation from 402.11 for uses not permitted. |
| **Article 404** | | |
| 404.2(C) | SCR-54 | Revision adds new requirement for switching devices to meet 404.22 and exception to address replacement/retrofit limitations and numerical limits on neutral currents. Revision to clarify conditions exempt from providing a grounded conductor at switch locations. |
| 404.9(B) | FR-2417 | Revision to require metal faceplates be grounded. |
| 404.13(B) | FR-7514 | Editorial |
| 404.14 | FR-7523 | Editorial |
| 404.14(F) | FR-2418 | Revision to include "or control device." |
| 404.15 | FR-2419 | Revision to relocate to new 404.20. |
| 404.16 | FR-2420 | Revision to relocate to new 404.26. |
| 404.17 | FR-2421 | Revision to relocate to new 404.27. |
| 404.18 | FR-2422 | Revision to relocate to new 404.28. |
| 404.22 | SCR-55 | New requirement for electronic lighting control switches and exception to correlate with 404.2(C) Exception. |
| **Article 406** | | |
| 406.2 | SCR-56 | New definition for *Outlet Box Hood.* |
| 406.3(E) | SR-5111 | Revision to cover required content and location of the marking on controlled receptacles. |
| 406.3(F) | SR-5101 | New requirement for 125 volt, 15- and 20-ampere receptacles that also provide Class 2 power. |
| 406.4 (B) Exception No. 2 | FR-5103 | Revision to expand applicability to "generator sets". |
| 406.4(D)(2) | SR-5104 | Revision to marking requirement for replacement receptacles at outlets without an equipment grounding conductor. New informational notes covering cord-and-plug-connected utilization equipment requiring equipment grounding connection. |
| 406.4(D)(3) | FR-5106 | Revision to recognize that an equipment grounding conductor could be present, or that a non-grounding receptacle is installed, at an outlet where a receptacle is replaced. |
| 406.4(D)(4) | SCR-47 | Revision and new exceptions to requirement for AFCI protection of replacement receptacles. |

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| 406.4(D)(5) | FR-5107 | Revision to exempt replacement non-grounding receptacles from tamper-resistant requirement. |
| 406.5(E) | SR-5106 | Revision to limit applicability to only countertop surfaces. |
| 406.5(F) | SR-5106 | New requirement specific to work surfaces that are not considered to be countertops. |
| 406.5(G) | SR-5106 | Relocation of requirement covering orientation of receptacles in countertop and other work surfaces. |
| 406.5(H) | FR-5108 | Relocation of requirement covering receptacles installed in seating areas. Revision to (1) to recognize that all furniture power distribution equipment is cord-and-plug-connected. |
| 406.6(D) | FR-5109 | New requirement to cover receptacle faceplates with night light and/or USB port. |
| 406.9(A) | SR-5101 | Revision to standard referenced in informational note. |
| 406.9(B)(1) | SR-5102 | Revision to require "extra-duty" marking only on listed outlet box hoods. Additional revisions for MOS compliance. |
| 406.12 | SCR-45 | Revision to include receptacles rated 15- and 20-amperes, 250 volts and to add new informational note. |
| 406.12(D) | SCR-45 | New requirement for tamper-resistant receptacles in certain educational facilities. |
| 406.12(E) | SCR-45 | New requirement for tamper-resistant receptacles in certain health care facilities. |
| 406.12(F) | SCR-45 | New requirement for tamper-resistant receptacles in certain places of assembly. |
| 406.12(G) | SCR-45 | New requirement for tamper-resistant receptacle in dormitories. |
| 406.12 Exception | SCR-45 | Revision to exception to include added occupancy types. |
| 406.15 | FR-5113 | Deletion of requirement covering dimmer-controlled receptacles for lighting loads. |
| **Article 408** | | |
| 408.3(A)(2) | SR2410 | Revision to add "panelboard" and new exception to correlate with 408.36. |
| 408.3(C) | SR2412 | Revision to updatie the reference from "Table 250.66" with “250.102(C)(1).” |
| 408.3(D) | FR-2426 | Editorial |
| 408.4(B) | FR-2427 | Revision to require marking to be permanent, durable, and not handwritten. |
| **Article 409** | | |
| 409.22 | SCR-1 | Revision to creatie new subdivisions "(A)" and "(B)" and new requirements for short-circuit current calculation documentation. |
| 409.110(3) | SR-3004 | Revision to require documentation for location of disconnecting means for all circuits 50 volts or more. |

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| **Article 410** | | |
| 410.62(B) | FR-5117 | Revisions to correlate cord terminology with Table 400.4. New informational note regarding proper application of flexible cord. |
| 410.62(C)(1) | SR-5109 | Revision to clarify conditions under which luminaires are permitted to be connected with flexible cord. |
| 410.130(G)(1) Exception No. 2 | FR-5119 | Revision to clarify that the exception applies to the entire luminaire rather than individual ballasts. |
| 410.136(B) Informational Note | SR-5110 | Revision to existing referenced standard and inclusion of new reference. |
| **Article 411** | | |
| Title of Article | FR-5147 | Revision to correlate title with the types of "low-voltage" lighting systems covered. |
| 411.3(A) | FR-5147 | Revision to remove 30-volt limitation. |
| 411.3(B) | FR-5147 | Revision to remove reference to limited energy tables in Chapter 9. |
| 411.4(A) and (B) | FR-5147 | Revisions for correlation with expanded types of "low-voltage" lighting systems covered and to clarify that fixed wiring methods are to be selected from Chapter 3. |
| 411.6(D) | FR-5147 | Revision to apply to insulated conductors in exposed and concealed locations. |
| **Article 422** | | |
| 422.2 | FR-4875 | Deletion of *Vending Machine* definition. |
| 422.5 | FR-4801 | Revision to consolidate all appliance GFCI requirements into one section. |
| 422.5(A) | FR-4801 | Revision to specify voltage, system, and current ranges of appliances requiring GFCI protection. |
| 422.5(B) | FR-4801 | Revision to identify permitted methods for appliance GFCI protection and to specify requirements for the GFCI devices. |
| 422.6 | SR-4801 | New requirement on listing of appliances. |
| 422.14 | FR-4874 | Deletion of requirement on equipment covered in new Article 425. |
| 422.16(B)(1) | FR-4876 | Editorial |
| 422.16(B)(2) | SR-4804 | Revisions to create separate requirements on cord length and receptacle location for each appliance type and to delete unclear text from the exception. |
| 422.16(B)(4) | SR-4805 | Revisions to maximum cord length, to delete unclear text from the exception, and for consistent terminology on "protecting against physical damage." |
| 422.18 | SR-4806 | Revision to add new listed method for supporting ceiling (paddle) fans. |
| 422.21 | FR-4806 | Revision to establish maximum amount of combustible surface area between ceiling (paddle) fan canopy and edge of associated outlet box. |

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| 422.23 | FR-4807 | Relocation to 422.5(A). |
| 422.30 | FR-4811 | Revision to recognize that an appliance can be supplied by multiple feeders or multiple branch circuits and that the multiple disconnects for a single appliance have to be grouped and identified to indicate there are multiple disconnecting means. |
| 422.31(A) | FR-4812 | Revision to establish safe work practice conditions for disconnecting means. |
| 422.31(C) | FR-4813 | Revision for consistency with similar requirements on equipment disconnecting means. |
| 422.33(A) | SR-4807 | Revision to expand requirement to cover separable connections other than cord and plug. |
| 422.33(B) | FR-4814 | Editorial |
| 422.49 | FR-4808 | Relocation to 422.5(A). |
| 422.51 | FR-4809 | Relocation to 422.5(A). |
| 422.52 | FR-4810 | Relocation to 422.5(A). |
| **Article 424** | | |
| 424.3(A) | FR-4872 | Revision to only specify maximum rating of branch circuits supplying two or more outlets for fixed electric space-heating equipment. |
| 424.9 | FR-4821 | Revision to delete text redundant to 110.2. |
| 424.19 | FR-4822 | Revision to disconnecting means requirements for heating equipment with multiple supply circuits. |
| 424.34 | FR-4824 | Revision to requirements covering nonheating leads installed by the equipment manufacturer. |
| 424.35 | FR-4825 | Revision to remove color-coding requirement for nonheating leads. |
| 424.36 | FR-4815 | Revision to clarify assumed ambient temperature for wiring installed above heated ceilings. |
| 424.38(A) | FR-4826 | Revision to permit heating cables to leave the room in which they originate. |
| 424.38(B) | FR-4827 | Revisions and additions to conditions under which heating cable cannot be used. |
| 424.39 | SR-4809 | Revision to clarify requirement applies only to ceiling installations of space heating cable. |
| 424.40 | FR-4829 | Revision of conditions under which heating cable can be spliced. |
| 424.41(B) | FR-4831 | Revision of conditions under which adjacent runs of heating cable are permitted. |
| 424.41(C) | FR-4832 | Revision of requirement for isolating conductive surfaces from heating cable. |
| 424.44(A) (2014) | FR-4833 | Deletion of limitation on cable heat rating per linear foot. |

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| 424.44(B) | FR-4833 | Revision of conditions under which adjacent runs of heating cable are permitted. |
| 424.44(C) (2014) | FR-4833 | Deletion of requirement for separation between heating cable and metal embedded in concrete or poured masonry floors. |
| 424.44(E) | FR-4833 | Editorial |
| 424.45 | FR-4834 | New requirement covering installation of heating cables under floor coverings. |
| 424.45 (2014) | FR-4834 | Relocation to 424.46 |
| 424.47 | FR-4823 | New requirement covering heating cable circuit labels. |
| 424.66 | SCR-40 and 42 | Revision to remove all requirements on working space about duct heating equipment for correlation with new 110.26 (A)(4). |
| 424.70 | FR-4820 | Revision to clarify requirements for installation of electrode-type boilers are in Part VIII. |
| 424.92(D) (2014) | SR-4811 | Deletion of requirement covering heating panel circuit labels. |
| 424.94 | FR-4816 | Revision to clarify assumed ambient temperature for wiring installed above heated ceilings. |
| 424.95 | FR-4817 | Revision to clarify assumed ambient temperature for wiring installed in interior walls. |
| 424.97 | FR-4836 | Revisions to condition under which excess nonheating leads can be cut in the field and to clarify which conductors are not subject to branch circuit ampacity requirements. |
| 424.98 (2014) | FR-4837 | Deletion of limitation on panel or panel set heat rating per square foot. |
| 424.99(B) (2014) | FR-4844 | Deletion of limitation on panel or panel set heat rating per square foot. |
| 424.99(B)(4) | FR-4839 | Revision to remove installation condition that is otherwise specified in the manufacturers' installation instructions. |
| 424.99(B)(5) | SR-4812 | Revisions to specify that GFCI protection is required for all installations and to incorporate informational note into a requirement. |
| 424.99(B)(6) | SR-4812 | New requirement for heating panels and heating panel sets to have integral grounding means. |
| 424 Part X (424.100 through 424.104) | FR-4843 | New Part X containing installation requirements for low-voltage fixed electric space-heating equipment. |
| **Article 425** | SR-4813 | New article covering fixed resistance and electrode industrial process heating equipment. |
| **Article 426** | | |
| 426.1(B) | FR-4845 | New informational note referencing industry standard containing relevant testing, design, installation, and maintenance provisions. |
| 426.4 | FR-4818 | Editorial |
| 426.32 | FR-4846 | Revision to limit the secondary output to 30 volts maximum and to eliminate the condition permitting higher equipment operating voltages if GFCI protection is provided. |

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| **Article 427** | | |
| 427.1 Informational Note | FR-4847 | Revision of edition dates of referenced standards. |
| 427.20 | FR-4848 | Revision to clarify required marking of nonheating leads. |
| 427.27 | FR-4849 | Revision to limit the secondary output to 30 volts for general applications with new exception permitting higher secondary voltage output where installed at industrial establishments. |
| 427.57 | FR-4819 | Editorial |
| **Article 430** | | |
| 430.2, Part Winding Motor | FR-3010 | Revision to relocate the first paragraph from 430.4 to a new definition. |
| 430.6(A)(1), Exception 1 | FR-3011 | Editorial |
| Table 430.10(B) | FR-3012 | Revision to permit smaller gauge conductors to correlate with 430.22(G)(1) and (2). |
| Table 430.12(C)(1) | FR-3019 | Revision to eliminate the gap in nominal voltages in the table. |
| 430.22(F) | FR-3013 | Revision to reference all motors in 430.22(A)–(G). |
| 430.53(D)(4) | FR-3014 | New subsection that includes requirements for a 25 ft tap for a single motor. |
| 430.99 | FR-3016 | New requirement for documentation and availability of short circuit current calculation. |
| 430.130(A)(4) | FR-3017 | New requirement for the short circuit ground fault device to be provided as an integral part of power conversion equipment. |
| 430.231 | FR-3020 | Editorial |
| Table 430.249 and Table 430.150 | FR-3018 | Revision to correlate voltages referenced above the tables with the voltages in the tables. |
| **Article 440** | | |
| 440.2, Rated-Load Current | FR-3003 | Editorial |
| 440.4(B), Exception 3 | FR-3004 | Revision to remove equipment supplied from a branch circuit protected at 60 amperes or less. |
| 440.9 | FR-3005 | New requirement for a wire type equipment grounding conductor to be provided in the outdoor portion of the metallic raceways that use non-threaded fittings. |
| 440.10 | FR-3006 | New requirements for short-circuit current and documentation data for calculations. |
| 440.14 | FR-3008 | Editorial |
| 440.33 | FR-3009 | Revision into a list format for clarity. |

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| 440.65 | FR-3021 | Revision to include a heat detecting circuit interrupter (HDCI). |
| **Article 445** | | |
| 445.10 | FR-4587 | New informational note referencing NFPA 37, *Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines*. |
| 445.11 | FR-3617 | Revisions to required markings on generators. |
| 445.13 | SR-3618 | Revision to add requirement for connecting tap conductors to load side of generator OCPDs other than portable generators rated 15 kW or less. |
| 445.14 | SR-3614 | Revision to include direct-current voltage level at which live parts have to be made inaccessible to accidental contact by unqualified persons. |
| 445.18(A) | SCR-82 | New subdivision on generator disconnecting means with revision to requirement on interruption of ungrounded conductors by generator disconnecting means. |
| 445.18(B) | SR-3620 | New subdivision on prime mover shutdown with revisions to the conditions under which it can be used as the generator disconnecting means and for a remotely operated shutdown for larger generators. |
| 445.18(C) | FR-3661 | New subdivision on generators operating in parallel with revisions to disconnecting means and generator isolation requirements. |
| **Article 450** | | |
| 450.5 Exception | FR-2431 | Revision to delete the exception. |
| 450.21 Informational Note | SR-2414 | Revision to update the version and title of the referenced standard. |
| 450.23(A) | FR-2432 | New informational note that provides examples of restrictions for listing of liquid. |
| 450.23(B) | SR-2415 | New informational note that provides examples of restrictions for listing of liquid. |
| 450.42Informational Note No. 1 | SR-2416 | Revision to update the version and title of the referenced standard. |
| 450.43(C) | FR-2433 | Revision to correlate with 110.26(C)(3). |
| **Article 455** | | No changes |
| **Article 460** | | No changes |
| **Article 470** | | No changes |
| **Article 480** | | |
| 480.1 | SR-3628 | Editorial: new informational note references and revisions to existing informational note references. |
| 480.3 | SR-3629 | New requirement on listing of batteries and battery management equipment. |
| 480.4(A) | FR-3641 | Revision to requirement on corrosion prevention at battery connections. |

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| 480.4(C) | FR-3642 | New informational note providing guidance on conductor connections at battery terminals. |
| 480.6 | SR-3615 | Revision of maximum direct current voltage for batteries associated with engine starting, ignition, or control. |
| 480.7(A) | SR-3616 | Revision of voltage level at which direct current disconnects are required. |
| 480.7(B) | FR-3664 | Revisions to requirements for remotely controlled battery disconnecting means. |
| 480.7(D) | SCR-83 | Revisions to notification requirements and addition of new informational note on equipment short-circuit current rating and its relationship to establishing safe work practices per NFPA 70E, *Standard for Electrical Safety in the Workplace*. |
| 480.8 | FR-3644 | Revisions to requirements for insulating conductive battery containers from ground. |
| 480.9 | FR-3645 | Revisions to consolidate requirements on battery support systems. |
| 480.10(A) | FR-3646 | Addition of new informational note referencing standard containing provisions for ventilation of storage battery systems. |
| 480.10(D) | FR-3647 | Revisions to working space requirements for top terminal batteries and to informational note by including reference<br>to applicable standard for clearances about VRLA batteries. |
| 480.11(A) | FR-3649 | Revisions to requirement on vented cell flame arresters and inclusion of new informational note on their function. |
| 480.11(B) | FR-3650 | Revisions to requirement for pressure-release vents on only certain sealed batteries. |
| **Article 490** | | |
| 490.3 | FR-2434 | Revision to change title to "Other Articles," relocate “oil-filled equipment” to subdivision "(A)," and add "(B)" for enclosures in damp or wet locations. |
| 490.30 | SR-2418 | Editorial |

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| **Chapter 5** | | |
| **Article 500** | | |
| 500.2 | FRs-3918, 3904, 3906, 3907, 3909, 3912, 3913, 3915, 3916, and 3929 | Deletion of definition section because all defined terms have been relocated to Article 100. |
| 500.4 (B) Informational Notes | FR-3962 | Revision to Informational Note No. 1 for MOS compliance, update of referenced standards in Informational Notes 2 through 5, and addition of Informational Note No. 6. |
| 500.5 (A) | FR-3934 | Revision to section title and to correlate area classification information related to ammonia with relevant ASHRAE standard.<br>Revision to update referenced standards in Informational Note No. 2. |
| 500.6 Exception | FR-3985 | Revision to include Class III materials. |
| 500.6(A)(4) Informational Note No. 2 | FR-3935 | Revision to update referenced standard. |

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| 500.6(B)(2) | FR-3961 | Revisions to update referenced standard and extract attributions. |
| 500.7(K) Informational Note Nos. 1, 2, and 3 | FR-3937 | Revisions to update referenced standards. |
| 500.8(A) Informational Note | FR-3963 | Revision to update referenced standards. |
| 500.8(C)(3) | FR-3984 | Revision to permit alternate material group marking on equipment and addition of new informational note providing examples of the type of information that the alternate marking could include. |
| 500.8(D)(2) | FR-3982 | Revision to delete Table 500.8 (D)(2) and associated text. |
| 500.8(E)(1) Informational Note Nos. 1 and 2 | SR-3920 | Revisions to update referenced standards. |
| 500.8(E)(2) and Informational Note | SR-3921 | Revisions to make metric thread engagement uniform for all gas groups and to update referenced standards. |
| **Article 501** | | |
| 501.10(A)(1)(a) Exception | FR-3940 | Revisions to permit additional type of nonmetallic conduit and to clarify intended application of the exception. |
| 501.10(A)(2) | SCR-90 | Revision to clarify only one of the methods can be employed for a given installation. |
| 501.10(B)(1) | SR-3901 | Revisions to allow threadless fittings with metal conduit and cablebus. |
| 501.15(A)(1) | SR-3922 | Revisions to provide additional conditions associated with factory-sealed enclosures and to no longer permit conduit bodies between a seal fitting and an explosionproof enclosure. |
| 501.15(D)(1) | FR-3973 | Revision to establish proximity between cable seal and enclosure in which cable terminates. |
| 501.15(E)(3) | FR-3972 | Revision clarifying the conditions under which sealing of cables is not required. |
| 501.105(B)(1) through (5) | FR-3971 | Revision to reorganize, clarify, and expand temperature marking requirements for enclosures containing certain types of equipment. |
| 501.105(B)(6) | SCR-92 | Revisions to permit interlocked receptacle and attachment plug connection that cannot be opened or energized under load and to clarify existing requirements on cord-and-plug connection of instrumentation circuits. |

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| 501.115(B)(1)(3) | SR-3923 | Revision to describe markings on enclosures considered to be factory sealed. |
| 501.125(A)(4) | FR-3966 | Revision to restrict the use of this type of machine to industrial locations that have restricted access and qualified persons servicing the equipment. |
| 501.125(B) | SR-3927 | Revision to reorganize requirements for clarity and to add a condition under which a shaft bonding device is permitted. Added new informational note providing guidance on shaft bonding devices and preventing ignition capable energy discharge. |
| 501.145(B) | FR-3975 | Deletion of exception for certain types of cord-and plug-connected equipment. |
| **Article 502** | | |
| 502.10(A)(1)(5) | FR-3942 | Addition of requirements under which Type ITC-HL cable can be installed in Class II, Division 1 locations. |
| 502.10(B)(1)(6) and (9) | FR-3943 | Addition of Type MV, Type TC-ER, and cablebus to wiring methods permitted in Class II, Division 2 locations. |
| 502.125(B) Exception | SCR-4 | Addition of machines with sealed components and openings to list of permitted alternative equipment. |
| **Article 503** | | |
| 503.10(A)(1)(4) and (5) | FR-3944 | Addition of Type MV cable and cablebus to wiring methods permitted in Class III, Division 1 locations. |
| **Article 504** | | |
| 504.1 | FR-3992 | Revision to expand applicability to all hazardous (classified) locations covered in Chapter 5. |
| 504.2 | FRs-3919, 3920, and 3921 | Relocation of those definitions used in more than one article to Article 100. |
| 504.10 (A) | FR-3991 | Revision to convert exception text into positive statement. |

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| 504.10(B) and (D) | FR-3990 | Revision for improved organization of requirements by relocating text related to the maximum surface temperature of "simple apparatus" from 504.10(B) to 504.10(D). |
| 504.60(A) and (B) | FR-3998 | Revisions to clarify hazardous (classified) location bonding requirements for metal intrinsically safe apparatus and metal raceways. |
| **Article 505** | | |
| 505.2 | FRs-3905, 3917, and 3922. | Relocation of those definitions used in more than one article to Article 100. |
| 505.2 | SCR-7 | Editorial revision for proper format of definition titles and updating of referenced standards edition dates and titles in informational notes. |
| 505.4(A) | SR-3919 | Revision to existing informational note. New informational note on gas detection equipment. |
| 505.4(B) | SR-3919 | Revision to existing informational notes to update referenced standards edition dates and titles and addition of new informational notes on portable/transportable equipment and equipment utilizing optical emissions technology. |
| 505.5(A) | SCR-5 | Revision to section title and to correlate area classification information related to ammonia with relevant ASHRAE standard. Revision to informational note on ammonia refrigeration systems to clarify type of refrigerant system covered and to add a referenced standard. |
| 505.5(B) | SCR-6 | Editorial revision and update of standards referenced in Informational Note No 1. |
| 505.6(A) | FR-3948 | Revision to update extract reference. |
| 505.6(C) | FR-3949 | Revision to update extract reference. |
| 505.7(F) | FR-3978 | Revision to provide condition under which equipment with short-circuit current rating (SCCR) exceeding 10 kA is permitted. |
| 505.8(A) | FR-3980 | Revision to correct title of protection technique for correlation use of the term in associated requirements. |
| 505.8(C) | FR-3981 | Editorial revision for consistency with similar terms. |
| 505.9(C)(2) Informational Note No. 4 | FR-3977 | Revision to include Class I, Zone 1 in two examples of zone equipment marking. |
| 505.9(E)(1) | FR-3964 | Editorial: MOS and update of standards referenced in informational note. |
| 505.9(E)(2) | FR-3979 | Revisions to correlate metric thread engagement with equipment standards for flame-proof equipment and to update referenced standards |
| 505.9(F) | FR-3988 | Revision to clarify requirement for sealing optical fiber cables with or without current-carrying conductors. |

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| 505.15(A) | FR-3986 | Revision to clarify limitations on type of circuits that can connect to equipment in Class I, Zone 0 locations. |
| 505.15(C)(1)(9) | FR-3946 | Addition of cablebus to wiring methods permitted in Class I, Zone 2 locations. |
| 505.16(B)(2) | SR-3924 | Revisions for MOS compliance and clarity and to describe markings on enclosures considered to be factory sealed. |
| 505.22 | FR-3957 | Revision of informational note to update title of referenced standard. |
| **Article 506** | | |
| 506.1 | FR-3933 | Revision of informational note to update title and edition date of referenced standard. |
| 506.2 | FRs-3903, 3908, 3911, 3914, 3923, 3924, and 3925 | Relocation of those definitions used in more than one article to Article 100. |
| 506.2 | SR-3903 | Editorial revision for proper format of definition titles and updating of referenced standards edition dates and titles in informational notes. |
| 506.4(B) | FR-4000 | Addition of new informational note on equipment utilizing optical emissions technology. |
| 506.5(B)(1) | FR-3958 | Revision to Informational Note No. 1 to update title and edition date of referenced standard. |
| 506.5(B)(2) | SR-3904 | Editorial: MOS and revision of Informational Note No. 1 to update title and edition date of referenced standard. |
| 506.5(B)(3) | SR-3905 | Editorial: MOS and revision of Informational Note No. 1 to update title and edition date of referenced standard. |
| 506.6(A) | SCR-9 | Revision to correlate with relevant materials standard and with Article 500. Informational note incorporated into material group description. |
| 506.6(B) | SCR-8 | Revision to correlate with relevant materials standard and with Article 500. Informational note incorporated into material group description. |
| 506.5(C) | SCR-10 | Revision to correlate with relevant materials standard and with Article 500. Informational note incorporated into material group description. |
| 506.9(B) | SR-3911 | Editorial and revision to correlate with how products are certified for use in Zone 20, 21, and 22 locations. |
| 506.9(C)(2) | SR-3910 | Revisions to exception to correct required information required on equipment marking and to include additional information for the marking example contained in the informational note. |
| 506.9(E)(1) | FR-3965 | Editorial and revision to informational note to update edition date of referenced standard. |
| 506.9(E)(2) | FR-3931 | Revisions to clarify requirement applies only to enclosure with metric threaded openings and the associated metric threaded fittings or adapters. |

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| 506.9(F) | FR-3989 | Revision to clarify requirement for sealing optical fiber cables with or without current-carrying conductors. |
| 506.15(C)(10) | FR-3947 | Addition of cablebus to wiring methods permitted in Zone 22 locations. |
| **Article 510** | | No changes |
| **Article 511** | | |
| 511.3(A) | FR-3950 | Revision to update extract reference. |
| 511.3(C) | FR-3954 | Revision to tabularize area classification information for major and minor repair garages where heavier-than-air fuel is transferred or dispensed. Added new informational note referencing Table 8.3.2 in NFPA 30A. |
| 511.3(D) | FR-3955 | Revision to tabularize area classification information for major repair garages where vehicles using lighter-than-air fuel are repaired or stored. Added new informational note referencing Table 8.3.2 in NFPA 30A. |
| 511.3(E)(2) | FR-3951 | Revision to update extract reference. |
| 511.8 | FR-3994 | New requirement on wiring methods installed under a commercial garage. |
| **Article 513** | | |
| 513.2 | FR-3926 | Relocation of those definitions used in more than one article to Article 100. |
| **Article 514** | | |
| Table 514.3(B)(1) | FR-3952 | Revision to update extract reference. |
| 514.3(B)(2) and Table 514.3(B)(2) | FR-4001 | Revisions to area classification information where CNG, LNG, and LP-Gas are dispensed as motor fuels. |
| 514.3(B)(3) | FR-4002 | New requirements on spacial separations where CNG, LNG, and LP-Gas are stored or dispensed. |
| 514.8 Exception No. 2 | FR-3993 | Revision to permit Type HDPE conduit as an underground wiring method. |
| 514.9 | FR-3995 | Revision to permit an explosionproof reducer at a seal fitting. |
| 514.11 | FR-3996 | Revision to requirements on emergency circuit disconnects for fuel dispensing and other electrically powered equipment at attended and unattended self-service motor fuel dispensing stations to correlate with NFPA 30A. |
| **Article 515** | | |
| 515.3 and Table 515.3 | SCR-11 | Revisions to update extract reference and the requirement referenced in Informational Note No. 2. Table 515.3 revised by adding informational note with reference to associated requirement in NFPA 30. |

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| **Article 516** | SR-3914 | Revision to arrange requirements into five parts. |
| 516.1 | SR-3914 | Revisions to include "spraying" in scope of article, to update edition date of referenced standards in Informational Note No. 1, and to add new Informational Note No. 2 on extracted material. |
| 516.2 | SR-3914 | Revisions to delete terms not used in the requirements, to update extracted definitions, and to add new definitions of terms used in revised article. |
| 516.3 (2014) | SR-3914 | Revisions to delete this section and incorporate requirements into appropriate locations in new article arrangement. |
| 516.4 | SR-3914 | Revision to include only those area classification requirements applicable to "open containers." Revisions to update extracted material to reflect the requirements in the current edition date of the source standard. |
| 516.5 | SR-3914 | Revision to include only those area classification requirements applicable to "spray application processes." Revisions to update extracted material to reflect the requirements in the current edition date of the source standard. |
| 516.6 (516.4–2014) | SR-3914 | Revision to relocate requirements for wiring in Class I locations and to update extracted material to reflect the requirements in the current edition of the source standard. |
| 516.7(B) | SR-3914 | Editorial: MOS and update of standards referenced in informational note. |
| 516 Part IV, 516.18 and 516.23 | SR-3914 | New requirements for hazardous (classified) area classification and control of ignition sources for spray application operations in temporary membrane enclosures. |
| 516 Part V, 516.29 through 516.40 | SR-3914 | Relocation of hazardous (classified) area classification requirements for coating and dipping processes. Part V requirements also apply to printing processes using flammable or combustible materials. Requirements included on luminaires, wiring, and equipment not installed within the classified location(s) and control of static electric discharges. |
| **Article 517** | | |
| 517 Informational Note | FR7513 | Revision to update the version of the referenced standard. |
| 517.2 | | Revision to update extract reference. |
| Alternate Power Source | FR4231 | Revision to update extract reference. |
| Ambulatory Health Care Occupancy | FR4232 | Revision to update extract reference. |
| Critical Branch | FR4233 | Revision to update extract reference. |

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| Electrical Life-Support Equipment | FR4234 | Revision to update extract reference. |
| Equipment Branch | FR4235 | Revision to update extract reference. |
| Essential Electrical System | FR4236 | Revision to update extract reference. |
| Exposed Conductive Surfaces | SR4212 | Revision to move nonmandatory text to new informational note and to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Governing Body | FR4255 | New definition that correlates with NFPA 99, *Health Care Facilities Code.* |
| Health Care Facilities | FR4238 | Revision to include "mobile enclosures" and "human" to correlate with NFPA 99, *Health Care Facilities Code,* and relocates examples to a new informational note. |
| Isolated Power System | FR4239 | Revision to include the referenced section to correlate with NFPA 99, *Health Care Facilities Code*, extracted material. |
| Isolation Transformer | FR4240 | Editorial revision and added the referenced section to correlate with NFPA 99, *Health Care Facilities Code*, extracted material. |
| Invasive Procedure | FR4256 | New definition that correlates with NFPA 99, *Health Care Facilities Code.* |
| Life Safety Branch | FR4241 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Limited Care Facility | FR4242 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Line Isolation Monitor | FR4243 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Medical Office (Dental Office) | FR4244 | New definition that correlates with NFPA 99. |
| Nursing Home | FR4245 | Revision to update the referenced section and standard from NFPA 99, *Health Care Facilities Code,* to NFPA *101*, *Life Safety Code,* extracted material. |
| Patient Bed Location | FR4246 | Revision to update the referenced section to correlate with NFPA 99, extracted material. |
| Patient Care Space | SR4215 | Revision to incorporate numbered health care category spaces to correlate with NFPA 99, *Health Care Facilities Code,* and informational notes that provide examples. |
| Patient Care Vicinity | FR4248 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code*, extracted material. |
| Patient Equipment Grounding Point | FR4249 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |

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| Reference Grounding Point | FR4250 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Selected Receptacles | FR4251 | Editorial revision and added the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Task Illumination | FRE4253 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Total Hazard Current | FR4252 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| Wet Procedure Location | FR4254 | Editorial revision and added the referenced section to correlate with NFPA 99, *Health Care Facilities Code*, extracted material. |
| 517.10(B), Informational Note | FR7513 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| 517.13 | FR4261 | Revision to replace "Areas" with "Spaces" to correlate with NFPA 99, *Health Care Facilities Code* |
| 517.13(B) | SCR16 | Revision to specify the copper equipment grounding conductors must be insulated with green insulation and correlate with isolated ground receptacle requirements with 517.16. |
| 517.16(A) and (B) | SR4228 | Revision to add isolated ground receptacle requirements with a new subdivision "(A)" for “Inside of Patient Care Vicinity” and “(B)” for “Outside of Patient Care Vicinity.” |
| 517.17 | FR4262 | Revision to include "Category 1 spaces" to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| 517.18 | FR4266 | Revision to include Category 2 spaces to correlate with NFPA 99, *Health Care Facilities Code,* extracted material, and provide the governing body the authority to designate similar risk level spaces. |
| 517.19 | FR4267 | Revision to include Category 1 spaces to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| 517.19(A) | FR4267 | Revision to include distinctive color or marking for electrical receptacles or cover plates (extracted material). |
| 517.19(C)(1) | FR4267 | Revision to require a minimum of two branch circuits with at least 12 receptacles but no more than 24 on one of the required branch circuits. |
| 517.19(C)(2) | FR4267 | Revision to correlate with receptacle combinations in NFPA 99, *Health Care Facilities Code.* |

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| 517.19(E) | FR4267 | Revision to prohibit standard locknuts for bonding. |
| 517.19(F) | FR4267 | Revision to include "Category 1 spaces" to correlate with NFPA 99, *Health Care Facilities Code*. |
| 517.20(A) | FR4263 | Editorial revision to correlate with NFPA 99, *Health Care Facilities Code.* |
| 517.21 | FR4264 | Revision to include "Category 1 spaces" to correlate with NFPA 99, *Health Care Facilities Code*. |
| 517.25 Informational Note No. 2 | FR4265 | Revision to update the version of the referenced standard. |
| 517.26 Informational Note No. 2 | FR4265 | Revision to update the version of the referenced standard and to update the reference from 517.30 to 517.29. |
| 517.29 | FR4271 | Revision to relocate requirements from 517.30 to a new section titled "Essential Electrical Systems for Hospitals and Other Health Care Facilities." |
| 517.29(A) and (B) | FR4271 | Revision to incorporate numbered health care category spaces to correlate with NFPA 99, *Health Care Facilities Code,* extracted material, and provide introductory information related to "essential electrical systems." |
| 517.30 | FR4276 | Revision to relocate requirements from 517.35 to 517.30 to provide a logical sequence. |
| 517.30(B)(1) and (2) | FR4276 | Revision to relocate requirements from 517.35, changing the title to "Types of Power Sources," and clarifying permitted configurations for generating units/external utility service and adding new requirements for fuel cell systems. |
| 517.30(C) | FR4276 | Revision to relocate requirements from 517.35(C) to provide a logical sequence and editorial revision. |
| 517.31 | FR4276 | Revision to relocate requirements from 517.30 to provide a logical sequence. |
| 517.31(A) | FR4276 | Revision to require division between branches to occur at transfer switches where more than one transfer switch is required. |
| 517.31(B) | SR4218 | Editorial |
| 517.31(C)(3)(e) and (f) | FR4276 | Revision to include two additional conditions where flexible metal raceways and metal sheathed cable assemblies are permitted. |
| 517.32 | FR4272 | Revision to relocate requirements from 517.31 and to correlate language extracted from NFPA 99, *Health Care Facilities Code.* |
| 517.33 | FR4273 | Revision to relocate requirements from 517.32 and to correlate language extracted from NFPA 99, *Health Care Facilities Code.* |

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| 517.34 | FR4274 | Revision to relocate requirements from 517.33 and to incorporate numbered health care category spaces to correlate with NFPA 99, *Health Care Facilities Code.* |
| 517.34(B) | FR4274 | New subdivision that permits controlling of task illumination on the critical branch. |
| 517.35 | FR4275 | Revision to relocate requirements from 517.34 and to update the version of the referenced standard in the informational note. |
| 517.40 | FR4268 | Revision to the title to include essential electrical system "Type 2." New informational note to incorporate numbered health care category spaces to correlate with NFPA 99, *Health Care Facilities Code,* and provide guidance on category space application and recognition that care used in these facilities necessitates compliance with 517.40 and 517.41, unless care is comparable to a hospital. |
| 517.40(A) | FR4268 | Revision to update referenced sections and the version of the referenced standard in the informational note. |
| 517.40(B) | FR4268 | Revision to update referenced sections. New Informational Note No. 2 to provide guidance on application of other requirements for emergency egress and loadshed conditions where optional loads are connected. |
| 517.41(A) and (B) | FR4279 | Revision to relocate requirements from 517.44 and to correlate language extracted from NFPA 99, *Health Care Facilities Code.* |
| 517.41(C) | FR4279 | Revision to relocate requirements from 517.44, correlate language extracted from NFPA 99, *Health Care Facilities Code,* and delete the informational note and relocate physical separation requirements from the informational note into mandatory language. |
| 517.42 | FR4277 | Revision to relocate requirements from 517.41. |
| 517.42(A) | SR4219 | Revision to require division between branches to occur at transfer switches where more than one transfer switch is required. New Informational Note No. 2 referring to NFPA 99, *Health Care Facilities Code*. |
| 517.42(B) | SR4220 | Revision to update the referenced section to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| 517.42(B)Informational Note Figures 517.42(a) and (b) | SR4220 | Revision to remove references to the critical branch. |
| 517.42(D) | FR4277 | Revision to add "equipment branch," remove references to the critical branch, and add a new informational note referencing NFPA 99, *Health Care Facilities Code*. |

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| 517.42(E) | FR4277 | Revision to include distinctive color or marking for electrical receptacles or cover plates and replace "essential electrical system" with "life safety or equipment branches." New informational note recommending the same color marking throughout the facility. |
| 517.43(A), (B), and (C) | FR4270 | Revision to relocate requirements from 517.42 and update the version of the referenced standard in the informational note. |
| 517.43(D) | FR4270 | Revision to add reference section of extracted material. |
| 517.43(E) | FR4270 | Revision to add reference section of extracted material and requirement for minimum of 5 ft-candles. |
| 517.43(F) | FR4270 | Revision to add reference section of extracted material. |
| 517.43(G) | FR4270 | Revision to update reference section of extracted material. |
| 517.44 | FR4278 | Revision to relocate requirements from 517.43, remove all references to “critical branch” and replace with “equipment branch,” and add reference section of extracted material. |
| 517.44(A) | SR4229 | Revision to correlate with NFPA 99, *Health Care Facilities Code,* extracted material. |
| 517.45(A) | FR4280 | Revision to correlate with the new definition of *Governing Body* and incorporate numbered health care Category 3 space and Requirements for alternate power systems to correlate with NFPA 99, *Health Care Facilities Code.* Updates the version of the referenced standard in the informational note. |
| 517.45(C) | FR4280 | Revision to incorporate numbered health care category spaces to correlate with NFPA 99, *Health Care Facilities Code*. |
| 517.45(D) | FR4280 | New subdivision for “General Care Patient Care Areas” and requirements for the essential electrical distribution system. |
| 517.45(E) | FR4280 | Revision to require alternate power sources to comply with the requirements of NFPA 99, *Health Care Facilities Code.* |
| Part IV Title Informational Note | FR4202 | Revision to update the version of the referenced standard. |
| 517.80 | FR4206 | Revision to replacing "Areas" with "Spaces" to correlate with NFPA 99, *Health Care Facilities Code*. |
| 517.160(B)(1) | FR4207 | Revision to require line isolation monitors to be listed. |
| **Article 518** | | |
| 518.2 Informational Note | | Revision to update the version of the referenced standard. |

| **Article 520** | | |
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| 520.2, Adapter | FR4212 | New definition to address various configurations for attachment plugs or receptacles. |
| 520.2, Stage Switchboard | FR4213 | Revision to add "permanently installed" to clarify the definition does not include portable. |
| 520.2, Stage Switchboard, Portable | FR4214 | New definition to clarify the difference between a portable or permanently installed stage switchboard. |
| 520.2, Two-Fer | SR4227 | Revision to correlate with the new definition of adapter. |
| 520.9 | SCR13 | Revision to add a reference to 210.23 and exemption from 210.8(B)(4). |
| 520.44(C)(2) | FR4210 | Revision to update the table references to correlate with the new table numbering. |
| 520.44(C)(3) | FR4210 | Editorial |
| Table 520.44(C)(3) | SR4205 | Editorial |
| Table 520.44(C)(3)(a) | FR4210 | Revision to add a separate table for ampacity adjustment where load diversity factor is 50 percent minimum. |
| 520.49 | FR4216 | Revision to remove the requirement for the device to be located in the loft above the scenery with a tight, self-closing door but require door to remain closed except during servicing. |
| 520.51 | FR4215 | Revision to replace "conductor derating" with "ampacity adjustment." |
| 520.53 | FR4281 | Revision to relocate requirements for feeders to new 520.54 and update the portable stage switchboard construction requirements. New requirements for portable stage switchboards to be listed. |
| 520.54 | FR4281 | New section relocates the requirements for feeders and revised for clarity. |
| 520.62(F) | FR4218 | New subdivision for installation requirements of single-conductor feeders. |
| 520.68(A)(3) | FR4220 | Revision to increase the maximum length from 1.0 m to 2.0 m (3.3 ft to 6.6 ft). |
| 520.68(B) | SR4207 | Revision to update reference to tables and require load diversity to be 50 percent or less when ampacity adjustment factors are applied. |
| 520.68(C) | FR4219 | New subdivision to require compliance with 240.5 for overcurrent protection of conductors. |
| 520.(C) | FR4221 | Revision to increase the maximum length from 1.0 m to 2.0 m (3.3 ft to 6.6 ft). |
| Part VI | SR4226 | Revision to title to include dressing areas and makeup areas. |

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| 520.71 | FR4223 | Revision to add makeup to the types of rooms where pendant lampholders are not permitted. |
| 520.72 | FR4223 | Revision to add makeup areas and delete "incandescent" to include all types of light sources to be equipped with guards, excluding recessed lamps. |
| 520.73 | FR4223 | Revision to replace "lights" with "luminaires, lampholders" adding makeup counters or rooms and relocate the requirements for pilot lights to new 520.74. |
| 520.74 | FR4222 | New section to relocate pilot light requirements from 520.73 and adds new requirement for protecting from physical damage,permanent identification requirements, and lamp type. |
| **Article 522** | | |
| Table 522.22 | FR4224 | Revision to update the referenced table for temperature correction factors. |
| 522.25 | SR7508 | Revision to increase the voltage threshold from 50 volts to 60 volts. |
| **Article 525** | | |
| 525.23(D) | SCR120 | New subdivision to require that portable GFCI receptacles on branch circuits fed by a flexible cord be listed, labeled, and identified for portable use. |
| 525.32 | FR4226 | Editorial |
| **Article 530** | | |
| 530.21(A) | SCR14 | Editorial |
| 530.23 | SCR15 | Revision to add a reference exemption from 210.8(B)(4). |
| **Article 540** | | |
| 540.2, Nonprofessional Projector | FR4257 | Editorial |
| 540.2, Professional-Type Projector | FR4258 | Editorial |
| 540.10 | | Revision to update the version of the referenced standard. |
| **Article 547** | | |
| 547.2, Equipotential Plane | FR5441 | Editorial |
| 547.5(F) | FR5442 | Revision to remove "covered." New informational note referencing 250.120(B) for aluminum and copper-clad aluminum conductors. |
| 547.5(G) | FR5443 | Revision to remove "general purpose" to provide GFCI protection for all receptacles. |
| 547.8(C) | FR5444 | Editorial |

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| 547.10(B), Informational Note No. 3 | FR5445 | Editorial |
| **Article 550** | | |
| 550.2, Manufactured Home | SR5406 | Revision to correlate with the definition in NFPA 501, *Standard on Manufactured Housing.* |
| 550.4(D) | SR5405 | Editorial |
| 550.13(B) | SR5414 | Revision to a list format for clarity and to expand GFCI protection for dishwasher outlets and receptacles within 6 ft of all sinks. |
| 550.15(H) | SR5407 | Revision to a list format for clarity and to require conduit or raceway to be identified for use in wet locations. |
| 550.25(B) | SR5403 | Revision to require all 120-volt branch circuits that supply 15- and 20-ampere outlets to comply with 210.12. |
| 550.32(A) | FR5405 | Editorial |
| **Article 551** | | |
| 551.1, Informational Note | FR5406 | Revision to update the referenced standard edition year in the informational note. |
| 551.2, Recreational Vehicle Park | FR5407 | Revision to correlate with the definition in NFPA 1194, *Standard for Recreational Vehicle Parks and Campgrounds*. |
| 551.2, Recreational Vehicle Site | FR5408 | Revision to correlate with the definition in NFPA 1194, *Standard for Recreational Vehicle Parks and Campgrounds*. |
| 551.42(C) | FR5409 | Editorial |
| 551.43(C) | FR5450 | Revision to clarify that you cannot protect a single 15-amp receptacle with a 20-amp overcurrent device. |
| 551.60 | FR5410 | Editorial |
| 551.71 | SR5408 | Revision to create subdivisions for clarity. |
| 551.71(A) | SR5408 | New subdivision for 20-ampere receptacle and adds the term “recreational vehicle site supply equipment.” |
| 551.71(B) | SR5408 | New subdivision for 30-ampere receptacle requirements. |
| 551.71(C) | SR5408 | New subdivision for 50-ampere receptacle requirements. Revision to require a minimum of 20 percent for existing sites and 40 percent for new installations. |
| 551.71(D) | SR5408 | New subdivision for tent site requirements. |
| 551.71(E) | SR5408 | New subdivision for additional receptacles. |
| 551.71(F) | SR5408 | New subdivision for GFCI requirements. Revision to exempt RV site electrical equipment from the tamper- or weather-resistant requirements. |
| 551.72 | FR5412 | Revision to create subdivisions for clarity. |
| 551.72(A) | FR5412 | New subdivision that includes requirements for single phase systems. Revised to include 120/208 volt systems and relocate the requirements in 551.73(D). |

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| 551.72(B) | FR5412 | New subdivision that includes requirements for three phase systems. |
| 551.72(C) | SCR18 | New subdivision that includes requirements for receptacles. |
| 551.72(D) | SCR18 | New subdivision that includes requirements for neutral conductors and relocates the informational note from 551.73(D) to Informational Note No. 1, and new Informational Note No. 2 clarifies RV site supply circuits are not continuous loads. |
| 551.73(A) | FR5413 | Revision to increase the "9600" to "12,000" volt-amperes for sites equipped with 50-ampere supply facilities. |
| 551.75 | FR5414 | Revision to create subdivisions. |
| 551.75(B) | FR5414 | New subdivision specifies that a grounding electrode is only required for recreational vehicle site supply equipment used as service equipment. |
| **Article 552** | | |
| 552.5 | FR5415 | New section that provides requirements for labels. |
| 552.41(B)(1) and (3) | FR5418 | Revision to require a minimum depth for a countertop. |
| 552.41(F)(2) | FR5419 | Revision to include other similar horizontal surface. |
| 552.42 | FR5420 | New section addressing overcurrent protection requirements for branch circuits. |
| 552.43(C)(2) | FR5421 | Revision to clarify liquidtight flexible conduit permissions and remove language already covered elsewhere in the *Code.* |
| 552.44(D) | FR5416 | Revision to simplify the label requirements and add additional warning information. |
| 552.44(E) | FR5422 | Revision to simplify the location of the power supply assembly. |
| 552.45(B) Exception | FR5423 | Revision to prevent storage of material in front of the panelboard. |
| 552.46(A) | FR5424 | Revision to include 120/240 volt system. |
| 552.46(A) Exception No. 2 | FR5424 | New exception permits a sixth circuit without employing an emergency management system provided the load calculation doesn't exceed the load of the original five circuits. |
| 552.48(H) | FR5425 | Revision to require cables be secured in addition to supported. |
| 552.48(I) | FR5426 | Revision to require cables be secured in addition to supported and to relocate the exception into the positive *Code* rule. |

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| 552.48(O)(1) | SR5404 | Revision to create a new subdivision with list items for cord-and-plug connected expandable units and editorial revision. |
| 552.48(O)(2) | SR5404 | New subdivision with list items for direct wire connected expandable units. |
| 552.48(P)(3) | FR5427 | Revision to simplify the label requirements and add additional warning information. |
| 552.48(Q) | FR5428 | New section addresses pre-wiring installed for other appliances or devices. |
| 552.52(C) | FR5430 | New subdivision prohibiting switches to be installed in tub or shower spaces unless part of a listed assembly. |
| 552.54(A) | FR5431 | Revision to add ceiling suspended paddle fans to the requirement. |
| 552.54(B) | FR5431 | Revision to relocate the prohibition of switches to be installed in tub or shower spaces to new 552.52(C). |
| 552.59(B) | FR5417 | Revision to simplify the label requirements and add additional warning information. |
| 552.60(A) | FR5432 | Editorial |
| **Article 553** | | |
| 553.8(C) | FR5434 | Editorial |
| **Article 555** | | |
| 555 Title | SR5412 | Revision to add commercial and noncommercial docking facilities. |
| 555.1 | FR5435 | Revision to add one-family dwellings, two-family dwellings, multifamily dwellings. |
| 555.3 | SR5413 | Revision to add boatyards and commercial and noncommercial docking facilities and lowering the ground-fault protection threshold to a maximum 30 mA. |
| 555.15(B) | FR5437 | Editorial |
| 555.19(A)(4) | FR5439 | Revision to include higher rated pin and sleeve devices. |
| 555.15(B)(1) | FR5440 | Revision to delete "where portable electrical hand tools, electrical diagnostic equipment, or portable lighting equipment are to be used." |
| 555.24 | SCR20 | New section requiring permanent safety signs to be installed to give notice of electrical shock hazard risks to persons using or swimming near a boat dock or marina. |
| **Article 590** | | |
| 590.4(B) | FR615 | Revision to a list format for clarity and add Type SE cable as a permitted wiring method to be installed in a raceway underground. |

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| 590.4(G) | SR606 | Revision to a list format for clarity. |
| 590.4(J) | SR607 | Revision to permit multiconductor cord or cable of a type identified in Table 400.4 for hard usage or extra-hard usage to be installed on the floor or ground. |
| 590.5 | FR617 | Revision to require listed decorative lighting to be labeled on the product. |
| 590.6(A)(1) | FR618 | Revision to prohibit listed cord sets or devices incorporating listed GFCI from being used in lieu of GFCI-protected receptacle outlets. |
| 590.6(B)(2) | SR608 | New list item permitting special purpose ground-fault circuit-interrupter protection for personnel. |

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| **Chapter 6** | | |
| **Article 600** | | |
| 600.1 | SR-5119 | Revision to include retrofit kits with the other types of equipment covered by the requirements of Article 600. |
| 600.2 | FR-5133 | New definition of *photovoltaic powered sign.* |
| 600.3 | FR-5134 | Revision to include “photovoltaic powered signs” with the other types of equipment required to be listed. |
| 600.4(B) | SR-5120 | Revision to include requirements for marking signs with a retrofitted illumination system or with retrofitted lamps that are powered through existing sign sockets. |
| 600.6(A) | FR-5137 | Revision to clarify that the location of the sign disconnecting means can be as specified in (A)(1), (A)(2), or (A)(3). |
| 600.6(A)(1) | SCR-46 | Revision to include "sign body" as an enclosure that supply conductors enter. |
| 600.6(A)(1) Exception No. 1 | SCR-46 | Revision to add metal-jacketed cables identified for the location as a wiring method to protect and isolate branch circuit and feeder conductors installed within the interior of a sign. |
| 600.6(A)(1) Exception No. 2 | SCR-46 | New exception for branch circuit or feeder conductors installed within a sign body or enclosure to supply a panelboard located within the interior of a sign enclosure or sign body. |

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| 600.6(A)(2) | FR-5137 | Revision to require signs be provided with field-applied marking to indicate location of supply circuit disconnecting means. |
| 600.6(A)(3) | FR-5137 | New exception requiring marking of sign controllers to indicate location of supply circuit disconnecting means where it is not installed *within sight* of the controller. |
| 600.12 | FR-5138 | Revision to also apply to photovoltaic (PV) powered signs. |
| 600.12(C)(2) | SR-5125 | Revision to reference new Tables 600.33(A)(1) and (A)(2). |
| 600.24 | FR-5142 | Revision clarifying that requirements apply to the power supplies rather than the equipment/systems supplied. |
| 600.24(B) | FR-5142 | Revision clarifying that metal parts of Class 2 power supplies/sources are to be connected to the EGC of the supply (line side) branch circuit. |
| 600.24(D) | FR-5142 | Revision clarifying that the requirement applies to the conductors on the load (secondary) side of the Class 2 power source. |
| 600.33 | FR-5139 | Revision of title clarifying that requirements apply to any type of lighting system supplied by Class 2 circuits. |
| 600.33(A)(1) and (A)(2) | SR-5124 | Revisions to increase minimum Class 2 circuit conductor size and to add new tables prescribing permitted types of Class 2 cables and acceptable substitutions based on location of installation. |
| 600.33(A)(3) | FR-5139 | Revision to require cables installed in wet locations be listed and marked for the application. |
| 600.33(A)(4) | FR-5139 | New requirement for cables installed outdoors and exposed to sunlight be listed and marked for the application. |
| 600.33(B) | SR-5123 | Revision to provide maximum interval for cable support and securement. |
| 600.34(A) through (F) | FR-5145 | New requirements covering the installation and field wiring of photovoltaic (PV) powered signs. |
| **Article 604** | | |
| 604.6 | FR5449 | New section requiring listing. |
| 604.10 | FR5447 | Relocation from 604.4 for uses permitted. |

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| 604.12 | FR5448 | Relocation from 604.5 for uses not permitted. |
| 604.100 | FR5449 | Relocation from 604.6 for construction requirements. |
| **Article 605** | | |
| 605.6 | FR-5130 | Revision to require lighting equipment be "labeled." |
| 605.9 | FR-5131 | Revision to apply the limitation to receptacles rather than receptacle outlets. |
| **Article 610** | | |
| 610.1 Informational Note | SR-3301 | Revision to title of referenced standard. |
| 610.2 | FR-3301 | Deletion of informational note containing description and temperature and voltage ratings of festoon cables. |
| 610.32 | FR-3302 | Revision to require means to disconnect crane or hoist motor power from operating station. |
| 610.42(A)(3) | FR-3303 | Deletion of condition permitting tap conductors without separate overload protection for brake coil operation. |
| 610.43(A)(3) | FR-3304 | Revision of requirements on the use of thermal sensing elements for crane branch circuit and motor overload protection. |
| 610.55 | FR-3305 | Deletion of requirement on crane operation/functionality that is more appropriately covered in other industry standards. |
| **Article 620** | | |
| 620.1 Informational Notes | SR-3327 | Revisions to update titles and edition dates of referenced standards. |
| 620.5(B) | SCR-80 | Revision to establish ac and dc voltage levels at which guarding of live parts is required for equipment that will be worked on while energized. |
| 620.11 Informational Note | FR-3329 | Revision to clarify material contained in the informational note. |
| 620.11(A) | SR-3329 | Revision allowing conductors to be protected by using either flame-retardant cable/conductors or an approved method of physical protection that affords flame retardancy for the cable/conductors. |

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| 620.16(A) | SR-3330 | New requirement for elevator control panels to be marked with their short-circuit current rating. |
| 620.16(B) | SR-3330 | New requirement ensuring elevator control panels are not installed where available short-circuit current exceeds its marked rating. |
| 620.21(A)(1)(a) | FR-3385 | Revision expanding permitted applications for Class 2 circuit cables in hoistways and pits. |
| 620.21(A)(1), (2), and (3) | FR-3385 | Revision removing 6-ft limitation on flexible cords and cables in hoistways and pits, on cars, and in machinery/control rooms and spaces. |
| 620.23(A) | SR-3331 | Revision clarifying the minimum number of circuits required for lighting and receptacles in machinery/control rooms and spaces. |
| 620.24(A) | SCR-72 | Revision clarifying the minimum number of circuits required for lighting and receptacles in the hoistway pit. |
| 620.24(C) Informational Notes | FR-3388 & SCR-72 | New informational note referencing 620.85 for GFCI protection requirements and update of the edition date and title of the referenced standard in Information Note No. 1. |
| 620.37(B) | FR-3389 | Revision to correlate with terminology on lightning protection "down conductors" used in NFPA 780, *Standard for the Installation of Lightning Protection Systems*. |
| 620.42 | FR-3390 | Revision to provide correct Chapter 5 references. |
| 620.51 | FR-3391 | Revision to clarify the types of equipment subject to the disconnecting means requirement. |
| 620.51(A) | SR-3333 | Revision to update the edition date and title of referenced standard. |
| 620.51(C)(1) | FR-3392 | Revision to the requirements covering access to and location of disconnecting means for motor controllers located in hoistways. |
| 620.51(D)(2) | SR-3334 | New requirement to mark elevator control panels with maximum available fault current and for updating the marking to reflect changes in the electrical system that impact the available fault current level at the control panel location. |

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| 620.51(E) | FR-3395 | New requirement for surge protection of equipment designated as an emergency load. |
| 620.85 | FR-3394 | Revision to provide more comprehensive coverage of the areas associated with elevators that require GFCI protection of 125-volt, 15- and 20-ampere receptacles. |
| 620.91 | SR-3335 | Revision to update the edition date and title of referenced standard. |
| **Article 625** | | |
| 625.1 | SCR-73 | Revision to include wireless charging technology to the equipment types covered in Article 625. |
| 625.2 Cable Management System | FR-3363 | Revision to include cables supplying wireless power transfer equipment. |
| 625.2 Charger Power Converter | FR-3361 | New definition associated with wireless power transfer systems. |
| 625.2 Fastened in Place | FR-3360 | New definition related to certain types of EVSE. |
| 625.2 Fixed in Place | FR-3360 | New definition related to certain types of EVSE. |
| 625.2 Output Cable to Primary Pad | FR-3411 | New definition associated with wireless power transfer systems. |
| 625.2 Portable (as applied to EVSE) | SR-3339 | New definition related to certain types of EVSE. |
| 625.2 Primary Pad | FR-3412 | New definition of a wireless power transfer system component. |
| 625.2 Wireless Power Transfer | FR-3413 | New definition of electric vehicle charging methodology. |
| 625.2 Wireless Power Transfer Equipment | SR-3340 | New definition describing two types of power transfer equipment associated with a wireless power transfer system. |
| 625.4 | FR-3364 | Revision to increase the maximum ac and dc system voltages to 1000 volts. |
| 625.5 | SR-3341 and Global SCR-119 | Revision to require that wireless power transfer equipment be listed. |
| 625.10 | FR-3366 | Revision to delete requirements that are a function of product construction/safety standards and do not lend themselves to practical enforcement in the field. |
| 625.15(A) through (C) | FR-3367 | Revision to expand applicability to wireless power transfer equipment. |

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| 625.16 | FR-3368 | Revision to expand applicability to wireless power transfer equipment. |
| 625.17(B) | FR-3369 | Revisions to expand applicability to wireless power transfer equipment and to specify how output cable ampacities are determined. |
| 625.19 | FR-3380 | Revision based on inclusion of new definition for *portable equipment* in 625.2 and the corresponding changes made to equipment rating requirements in 625.44(A). |
| 625.22 | SR-3343 | Revision excluding equipment rated less than 60 volts dc. |
| 625.40 | FR-3371 | New requirement specifying that outlets for electric vehicle charging be supplied by an "individual branch circuit." |
| 625.41 | FR-3372 | Relocation of requirements on overcurrent protection and revision to expand applicability to wireless power transfer equipment. |
| 625.42 | FR-3373 | Relocation of requirements on charging equipment ratings and revision to expand applicability to wireless power transfer equipment. |
| 625.43 | FR-3374 | Relocation of requirements on disconnecting means and revision to expand applicability to wireless power transfer equipment. |
| 625.44 | FR-3379 | Revision to expand applicability to wireless power transfer equipment. |
| 625.44(A) | SR-3345 | Revisions to correlate with new definition of *portable,* to provide dc receptacle configuration and ampere ratings, to increase voltage rating of dc receptacles supplying EVSE, and to provide a requirement on supply cord length. |
| 625.44(B) | SR-3344 | Revisions to correlate with new definition of *stationary,* to add a three-phase receptacle configuration, and to provide a requirement on supply cord length. |
| 625.44(C) | SR-3346 | Revisions to correlate with new definition of *fixed.* |
| 625.47 | SR-3347 | New requirement covering charging equipment supplied by multiple circuits. |

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| 625.48 | FR-3376 | Revisions to update requirement for compatibility with current technology for delivery of energy to and from an EV and to add a new informational note. |
| 625.50 | FR-3381 | Revision to exclude portable EVSE from mounting location requirements. |
| 625.52(A) and (B) | FR-3377 | Revisions to expand applicability to wireless power transfer equipment. |
| Article 625 Part IV | SCR-75 | New requirements covering the installation and field wiring of wireless power transfer equipment. |
| **Article 626** | | |
| 626.24(B) Informational Note | SR-3318 | Revision to update edition date and title of referenced standard. |
| 626.31(C) | FR-3382 | Revision to include 1000-volt-rated receptacle configuration. |
| 626.32(A) | FR-3383 | Revision to include 1000-volt-rated power supply cable assemblies. |
| 626.32(C) | FR-3384 | Revision to include 1000-volt-rated attachment plug and cord connector. |
| **Article 630** | | |
| 630.6 | SR-3302 | New requirement for listing of equipment covered by Article 630. |
| 630.31 | FR-3332 | Revision to relocate text related to circuit performance to new informational note. |
| **Article 640** | | |
| 640.2 Audio Amplifier or Pre-Amplifier | FR-3306 | Editorial |
| 640.2 Audio Signal Process Equipment Informational Note | FR-3307 | Editorial |
| 640.2 Equipment Rack | SR-3303 | Editorial and revision to informational note to update title of referenced standard. |
| 640.2 Technical Power System | FR-3308 | Revision for technical accuracy. |
| 640.3(B) | SR-3304 | Revisions to distinguish between ducts and other spaces used for environmental air and to add two exceptions referencing requirements in Article 725. Informational note revised to update edition date of referenced standard. |

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| 640.3(C) | SR-3310 | Revisions to correlate with equipment covered by the scope of Article 392 and to update references in the informational note. |
| 640.3(M) | FR-3327 | Revision to correlate cross-reference with revisions made in Article 650. |
| 640.6(A) (2014) | FR-3311 | Deletion of requirement redundant to 110.12. |
| 640.21(C) | FR-3312 | Addition of new informational note. |
| 640.22 | FR-3313 | Revisions to include requirement for bonding of metal equipment racks and enclosures and to delete text redundant to 110.12. |
| 640.25 | SR-3305 | Revisions to required marking of speaker assemblies for use in fire resistance-rated assemblies and to remove reference to withdrawn standard in the informational note. |
| 640.42(B) and (C) | FRs-3315 & 3316 | Revisions to correct terminology associated with optical fiber cables. |
| 640.42(B) and (C) | SR-3306 | Editorial revisions for clarity and MOS compliance. |
| 640.43 | FR-3317 | Revisions to include requirement for bonding of metal equipment racks and to delete text redundant to 110.12. |
| **Article 645** | | |
| Article 645 Informational Note | FR-3414 | Revision to update title of referenced standard. |
| 645.1 | FR-3338 | Revision to update title of referenced standard. |
| 645.2 Informational Technology Equipment | FR-3340 | Relocation of definition used in more than one article to Article 100. |
| 645.3 | SR-3308 | Revision to correct reference. |
| 645.3(B) | SR-3309 | Revisions to improve usability and to correct cross-references. |
| 645.3(C) | SR-3310 | Revision to expand requirement to include bonding of equipment. |
| 645.3(D) | FR-3343 | Revision to correct cross-reference. |
| 645.3(E) | FR-3344 | Revision to require use of only listed cables and equipment. |
| 645.3(F) | FR-3345 | Revision to require use of only listed cable routing assemblies and equipment. |

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| 645.3(G) | FR-3346 | Revision to require use of only listed cables and equipment. |
| 645.3(H) | FR-3347 | New requirement on use of optical fiber cables in ITE rooms. |
| 645.3(I) | FR-3350 | Relocation of requirement from 645.6. |
| 645.4 | SR-3311 | Revisions to clarify intended application of Article 645 and to update title of referenced standard. |
| 645.5(E) | SR-3312 | Revisions to improve usability, to correlate with the requirements in 645.3 for fire alarm and coaxial cables, and to update title of referenced standard in informational note. |
| 645.5(F) | SCR-81 | Revisions limiting unsupported cables to underfloor installation only and to add new informational note. |
| 645.6 (2014) | FR-3350 | Relocation to 645.3(I). |
| 645.10(A)(4) Informational Note | SR-3314 | Update title and edition date of referenced standard. |
| 645.10(B) | SR-3315 | Revisions on how information can be conveyed to first responders, to create table of cross-references for underfloor wiring, to update referenced requirements, and to update edition date of standard referenced in informational note. |
| 645.18 | FR-3356 | New requirement for surge protection of equipment supplying power to critical operations data systems that correlates with surge protection requirements in Article 708 for critical operations power systems. |
| **Article 646** | | |
| 646.1 Informational Note No. 2 | SR-3320 | Update edition date of referenced standard. |
| 646.2 Modular Data Center | FR-3398 | Revision to upper voltage rating of MDCs and to clarify applicability of referenced product standards and update edition date of one of the referenced standards in Informational Note. No. 2. |
| 646.3(B) | SR-3321 | Revisions to improve usability and to correct cross-references. |
| 646.3(D) | FR-3399 | Revision to correct cross-reference. |

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| 646.3(E) | FR-3400 | Revision clarifying that only listed cable and equipment can be used in an MDC. |
| 646.3(F) | SR-3322 | Revision clarifying that all equipment, cables, raceways, and cable routing assemblies are required to be listed. |
| 646.3(G) | FR-3402 | Revision clarifying that only listed cable and equipment can be used in an MDC. |
| 646.3(L) | FR-3404 | Revisions to add reference to 645.4 in (L)(3) and to delete text in (L)(6) and (7) (2014) because it is covered elsewhere in 646.3. |
| 646.4 Informational Note | FR-3405 | Editorial |
| 646.7(B) Exception and Informational Note No. 1 | SR-3324 | Revision to create new exception based on statement from Informational Note No. 2 (2014) and to update edition date of referenced standard in Informational Note No. 1. |
| 646.7(C) Informational Note | SR-3325 | Revision to update edition date of referenced standard. |
| 646.13 | SR-3326 | Revision to include “information technology equipment” to the types of equipment enumerated. |
| 646.19(A) and (B) | FR-3407 | Editorial: MOS |
| 646.20(B) Informational Notes | FR-3408 | Revisions for MOS compliance and for consistency with the 1000-volt threshold used elsewhere in the *Code*. |
| 646.21 | FR-3409 | Revisions for consistency with similar requirement in Article 480 and to add other types of battery supports. |
| **Article 647** | | |
| 647.30 | FR-3352 | Revision of terminology associated with conductors supplying sensitive electronic equipment. |
| **Article 650** | | |
| 650.1 | FR-3318 | Revision of scope to clarify types of circuits covered in Article 650 and addition of new informational note. |
| 650.2 | FR-3319 | New section with definitions for *electonic organ, pipe organ,* and *sounding apparatus.* |
| 650.3 | FR-3320 | Revision to clarify relationship between Article 650 and Chapters 1 through 7. |

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| 650.4 | FR-3321 | Revision to specify the dc power supply be listed and inclusion of new informational note on typical characteristic of organ power supplies. |
| 650.5 | FR-3322 | Revisions requiring double insulation of power supplies and bonding of metal enclosures containing power supplies. |
| 650.6 | FR-3323 | Editorial |
| 650.7 | FR-3324 | Revisions to methods for conductor splicing, support of internal wiring, and tags for abandoned internal wiring. |
| 650.8 | FR-3325 | Revision to maximum overcurrent protection for conductor sizes 20 AWG through 28 AWG. |
| 650.9 | FR-3326 | New requirement and associated informational note on isolating conductive parts to preclude accidental contact. |
| **Article 660** | | |
| 660.5 | FR-3333 | Revision on location of and access to disconnecting means with new exceptions permitting alternative approaches. |
| **Article 665** | | No changes |
| **Article 668** | | |
| 668.1 | SR-3317 | Editorial and update of referenced standard edition date in Informational Note No. 2. |
| 668.11(B) | FR-3334 | Editorial: MOS |
| **Article 669** | | |
| 669.6 A) and (B) | SR-3319 | Revision to dc voltage that triggers requirements for insulated supports and protection against accidental contact. |
| **Article 670** | | |
| 670.1 | FR-3335 | Revision to correlate with upper voltage rating for insulated conductors covered in Tables 310.15(B)(16) through 310.15(B)(20). |
| 670.5 | SR-3336 | Revisions to amend "fault current" to "short-circuit current" and add short-circuit current field marking requirement. |
| 670.6 | FR-3357 | New requirement for surge protection of equipment having safety interlock circuits. |
| **Article 675** | | |
| 675.16 | FR-5546 | Editorial: MOS |
| **Article 680** | | |

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| 680.2 Electrically Powered Pool Lift | FR-4860 | New definition to correlate with requirements for this type of equipment in new Part VIII of Article 680. |
| 680.2 Storable Swimming, Wading, or Immersion Pools; or Storable/Portable Spas and Hot Tubs | FR-4873 | Revision to clarify location of pools, spas, or hot tubs with nonmetallic polymeric or inflatable walls covered by this definition. |
| 680.3 | FR-4850 | Deletion of cross-reference requirement covered by 90.3. |
| 680.4 | SR-4815 | Revision to require listing of products and equipment associated with swimming pool installations. |
| 680.7 | SR-4816 | New requirement on environmental exposure certification and materials for grounding and bonding termination and connection hardware. |
| 680.7 through 680.12 (2014) | FR-3883 | Revision to renumber sections as 680.8 through 680.13. |
| 680.11 | FR-4853 | Revision to wiring methods, cover requirements, and allowable function for underground wiring installed near or under swimming pools. |
| 680.12 | FR-4854 | Revision and new informational note related to corrosive environments typical to most equipment rooms and pits containing equipment associated with pools, spas, hot tubs, and similar bodies of water. |
| 680.14(A) and (B) | SCR-43 | New requirement specifying conditions under which an area is considered to be a corrosive environment and for certification/identification of the wiring methods used in such locations. |
| 680.21(A)(1) | SR-4818 | Revision to establish requirements for installations in corrosive and in noncorrosive environments. |
| 680.21(A)(2) (2014) | SR-4818 | Deletion of requirement because it does not address a condition unique to the locations covered by Article 680 and is covered by general rules of Chapter 3. |
| 680.21(A)(2) | SR-4818 | Revision requiring listed fittings. |

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| 680.21(A)(3) (2014) | SR-4818 | Deletion of requirement because it does not address a condition unique to the locations covered by Article 680 and is covered by general rules of Chapter 3. |
| 680.22(A)(2) | FR-4856 | Revision to distance and device type requirements for receptacles supplying circulating pumps and other similar function equipment. |
| 680.22(B)(7) | SR-4819 | New requirement covering gas-fired equipment with low-voltage ignition systems. |
| 680.23(A)(2) | SR-4820 | Revision requiring equipment to be “labeled” and “identified” in addition to “listed.” |
| 680.23(A)(3) | FR-4858 | Revision requiring GFCI protection for personnel performing any maintenance/service activity associated with underwater luminaires operating above the “low-voltage contact limit.” |
| 680.23(F)(1) | FR-4862 and SCR-41 | Revisions to separate requirements for installations in corrosive environments from those in noncorrosive environments and to add "power supplies" for pool lights in the exception. |
| 680.23(F)(3)(2) | FR-4861 | Revisions to use correct term for the conductor used to ground equipment and to include bonding jumpers required in nonmetallic raceways connected to underwater luminaires. |
| 680.24(A)(1) | SR-4821 | Revision requiring equipment to be “labeled” and “identified” in addition to “listed.” |
| 680.25(A) | SR-4829 | Revisions to separate requirements for installations in corrosive environments from those in noncorrosive environments and to incorporate grounding requirements unique to Article 680 installations formerly located in 680.25(B). |
| 680.25(B) (2014) | FR-4864 | Revisions to relocate grounding requirement unique to Article 680 installations and to delete requirements covered elsewhere in the *Code.* |
| 680.26(B)(2) | FR-4865 | Revision clarifying extent of perimeter surface area covered by bonding requirement. |
| 680.27(A)(2) | FR-4866 | Revision eliminating restriction on installing only one type of LFNC. |

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| 680.27(B)(1) and (2) | FR-4867 | Revisions to add exceptions recognizing availability of listed pool cover systems operating at or below the "low-voltage contact limit" and to delete informational notes referencing basic requirements on equipment installed in wet or damp environments. |
| 680.28 | FR-4869 | New requirement covering protection of circuits supplying electrical components operating above the low-voltage contact limit that are associated with gas-fired water heaters for pools, spas, and similar bodies of water. |
| 680.41 | FR-4867 | Revision to align with term defined in Article 100. |
| 680.42(B)(1) | SR-4823 | Revision requiring equipment to be "labeled" and "identified" in addition to "listed." |
| 680.42(C) | FR-4868 | Revisions limiting application of requirement to interior branch circuits only and to include new informational note referencing 680.25 for feeder requirements. |
| 680.43(D)(2) | SR-4825 | Revision requiring equipment to be "labeled" and "identified" in addition to "listed." |
| 680.44(A) | SR-4826 | Revision requiring equipment to be "labeled" and "identified" in addition to "listed." |
| 680.62(A)(1) | SR-4827 | Revision requiring equipment to be "labeled" and "identified" in addition to "listed." |
| 680.74 | FR-4870 | Revisions to restructure requirement to improve usability, to clarify those items not required to be bonded, and to include blower motors that are part of a hydromassage bathtub assembly. |
| Part VIII, 680.81 through 680.85 | SR-4830 | New series of requirements covering the certification, marking, protection, and field installation of "electrically powered pool lifts." |
| **Article 682** | | |
| 682.2 | FR-4871 | Revision to expand GFCI protection for personnel to all receptacles of the specified rating and configuration installed within the datum plane. |
| **Article 685** | | |
| Table 685.3 | FR-3337 | Revisions to update Article 430 reference and to expand 705.12 reference to include entire section. |
| **Article 690** | | |

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| 690.1 | SR-928 | Revisions to correlate with new Article 691 and to clarify that energy storage systems and loads supplied by the PV system output are not within the scope of Article 690. The associated figures have been revised accordingly. |
| 690.2 Array | FR-950 | Revision to include arrays producing alternating current. |
| 690.2 Bipolar Photovoltaic Array | FR-958 | Revision to clarify this type of array produces only direct current. |
| 690.2 Blocking Diode | FR-951 | Deletion of definition because it is no longer used in Article 690. |
| 690.2 Building Integrated Photovoltaics | FR-951 | Deletion of definition because it is no longer used in Article 690. |
| 690.2 DC-to-DC Converter Output Circuit | FR-952 | New definition for term introduced into 2017 Article 690 requirements. |
| 690.2 DC-to-DC Converter Source Circuit | FR-952 | New definition for term introduced into 2017 Article 690 requirements. |
| 690.2 Functional Grounded PV System | SR-932 | New definition to distinguish PV systems having a reference potential to ground from those that are solidly grounded. |
| 690.2 Generating Capacity | FR-1002 | New definition for term introduced into 2017 Article 690 requirements. |
| 690.2 Interactive System | FR-959 | Revisions to delete redundant term and to remove language describing energy storage systems based on inclusion of new Article 706. |
| 690.2 Interactive Inverter Output Circuit | FR-953 | New definition to distinguish interactive inverter output conductors from feeder and service conductors. |
| 690.2 Inverter Input Circuit | FR-960 | Revision to remove detail that could unnecessarily constrain connection configurations. |
| 690.2 Inverter Output Circuit | FR-960 | Revision to remove detail that could unnecessarily constrain connection configurations. |
| 690.2 Multimode Inverter | FR-961 | Revision to recognize that interactive connections are not made exclusively to utility sources. |
| 690.2 Photovoltaic System DC Circuit | FR-952 | New definition used in general requirements covering all dc conductors of a PV system. |

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| 690.2 Photovoltaic System Voltage | SR-931 | Deletion of definition to correlate with other revisions that specify applicability to dc systems, ac systems, or both. |
| 690.3 | FR-956 | Deletion of requirement deemed unnecessary based on proper use of code structure per 90.3. |
| 690.4(B) | FR-957, SR-933 | Revision to include field labeling as an equipment certification option. |
| 690.4(D) | FR-963 | Revisions permitting multiple PV systems to be installed in or on a building or structure and the requisite directory at each system disconnecting means where the systems are located remotely from each other. |
| 690.4(E) | FR-962 | New requirement on prohibited location of PV equipment and PV system disconnecting means. |
| 690.5 (2014) | FR-991 | Relocation to 690.41. |
| 690.6(C) | FR-964 | Deletion of requirement because rules for ac and dc circuit disconnecting means are adequately covered in Part III of Article 690. |
| 690.6(D) | FR-964 | Deletion of outdated text that did not establish requirement unique to ac modules. |
| 690.7 | FR-1020, SCR-62 | Revision of first paragraph provides description of maximum PV system dc circuit voltage, establishes maximum dc circuit voltages based on occupancy type, and exempts PV dc equipment rated 1500 volts or less from Parts II and III of Article 490. |
| 690.7(A) | FR-1020, SCR-63 | Revision simplifies existing requirements for calculating maximum system voltage of dc PV source and output circuits and adds new option with associated informational note for calculating maximum system voltages where generating capacity is 100 kW or more. |
| 690.7(B) (2014) | FR-1020, SCR-63 | Deletion of requirement referencing Article 210 per 90.3. |
| 690.7(B) | FR-1020, SCR-64 | New requirement on calculating maximum voltages for dc-to-dc converter source and output circuits. |
| 690.7(C) (2014) | FR-1020 | Relocation to first paragraph of 690.7. |
| 690.7(C) | FR-1020, SR-938 | Relocation from 690.7(E) in 2014 NEC. Revisions to conditions under which maximum bipolar source and output circuit voltage is determined. The condition on circuit conductor grounding has been revised to specify other than solidly grounded connections and now includes the text formerly expressed as an exception. |
| 690.7(D) (2014) | FR-1020 | Deletion of requirement that is not unique to PV systems and is adequately covered by 110.27. |

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| 690.7(E) (2014) | FR-1020 | Relocation with revisions to 690.7(C). |
| 690.8(A)(1) | SCR-65 | Revision to provide alternative method and associated informational note covering engineering supervision of source circuit current calculations for systems having a generating capacity of 100 kW or more. |
| 690.8(A)(5) | FR-968 | Revision amending applicability from dc-to-dc converter output circuits to dc-to-dc converter source circuits. |
| 690.8(A)(6) | FR-968 | New requirement for determining dc-to-dc converter output circuit current. |
| 690.8(B) | SCR-66 | Revisions to include adjustable electronic overcurrent protective devices and for clarity and MOS compliance. |
| 690.9(A) | FR-972, SCR-100 | Revisions to clarify application of overcurrent protection to PV system conductors and equipment and where overcurrent protection is required for systems that are connected to both inherently power-limited sources and sources with higher current availability. Exception revised to include dc-to-dc converter source circuits. |
| 690.9(B) | SR-942 | Revisions to include requirement for overcurrent protective devices used in the dc portion of a PV system be listed for use in PV systems, to add clarity by arranging requirements and former exception text into a list, and to add adjustable electronic devices as a protection method. |
| 690.9(C) (2014) | FR-972 | Deletion because requirement has been integrated into 690.9(B). |
| 690.9(C) | FR-972, SR-943 | Revision that adds text from 690.9(D) in the 2014 NEC amended to apply same equipment and conductor OCPD requirement for to grounded and ungrounded PV dc systems. |
| 690.9(D) (2014) | FR-972 | Amended requirement moved to 690.9(C). |
| 690.9(D) | FR-972 | Relocation, without revision, from 690.9(F) in 2014 NEC. |
| 690.9(E) (2014) | FR-972, SR-943 | Deletion based on revision made to 690.9(C). |
| 690.9(F) (2014) | FR-972 | Relocation to 690.9(D) |
| 690.10 | SCR-101 | Revision to reference 710.15 for requirements covering stand-alone systems. |
| 690.10(A) through (D) | SCR-101 | Relocation to 710.15 in new Article 710, “Stand-Alone Systems.” |

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| 690.11 | SR-945 | Revisions to apply arc-fault protection requirement to all PV system dc circuits, to remove performance requirements more appropriately covered in product standards, and to add exception exempting conductors associated with certain PV installations from the arc-fault requirement. |
| 690.12 | FR-1008, SCR-102 | Revisions to specify objective of rapid shutdown and to provide exception exempting circuits associated with certain PV installation from the rapid-shutdown requirement. Cross-reference to 690.56(C) deleted because it is expected that designers, installers, and inspectors will review and implement all applicable marking requirements from 690.56, including those covering rapid shutdown. |
| 690.12(A) | FR-1008, SCR-102 | Revision to clarify that rapid shutdown applies only to conductors of circuits supplied by the PV system. |
| 690.12(B) | FR-1008, SCR-102 | Revisions to establish a boundary creating two areas of rapid shutdown protection, to provide separate requirements for protection inside and outside of the boundary, and to specify performance requirements for the rapid shutdown equipment inside and outside the boundary. |
| 690.12(C) | FR-1008, SCR-102 | New requirements covering the operation, indication, location, number of, and type of device(s) used to initiate rapid shutdown. |
| 690.12(D) | FR-1008, SCR-102 | Revision specifying equipment used for rapid shutdown protection must be listed specifically for providing that protection. |
| 690.13 | FR-1014 | Revisions to specify that all PV systems must be provided with a means to disconnect the PV system from all other wiring systems and to clarify the disconnecting means must open all circuit conductors. |
| 690.13(A) | SR-946 | Revisions to correlate with requirements for rapid shutdown specified by 690.12 and to move bathroom prohibition to 690.4(E). |
| 690.13(B) | SR-947 | Revisions to require marking that indicates the position (on or off) of the disconnecting means and to mark the disconnecting means with a specific warning where line and load terminals are energized when it is in the open position. |
| 690.13(C) | FR-1014 | Revision requiring SUSE (suitable for use as service equipment) rated equipment only where PV system is connected on the supply side of the service disconnecting means. |
| 690.13(D) | FR-1014 | Revision and new informational note to clarify that more than one PV system can be installed and each PV system can be provided with a maximum of six disconnecting means. New text added to clarify what constitutes the PV system disconnecting means where multiple interactive inverters are interconnected to other power sources through a single ac disconnecting means. |
| 690.13(E) (2014) | FR-1014 | Specific text of this requirement deleted because the revision to the general rule for PV disconnects in 690.13 meets the intent of 690.13(E) as stated in the 2014 NEC. |
| 690.13(E) | SR-948 | New requirement establishing the minimum ratings for PV disconnecting means. |
| 690.13(F) | SCR-103 | New requirement specifying the requisite conditions for PV system disconnecting means. |
| 690.15 | FR-1013 | Revisions and addition of new informational note to clearly state purpose of the isolating devices/disconnecting means required by this section, to specify which conductors of the circuit are subject to the requirement, and to establish current level at which isolating devices (connectors) are not permitted to be used. |

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| 690.15(A) | FR-1013, SCR-104 | Revision to establish proximity of isolating device or equipment disconnecting means to the equipment it serves to isolate. |
| 690.15(B) | FR-1013 | New requirement on interrupting rating of equipment disconnecting means used for equipment isolation. |
| 690.15(C) | SR-950 | New requirement covering performance, type, and marking of equipment isolating devices. |
| 690.15(D) | FR-1013, SCR-105 | New requirement covering performance, type, and marking of equipment disconnecting means. |
| 690.16 (2014) | FR-1009 | Deletion of section because requirements are now covered by 690.15. |
| 690.17 (2014) | FR-1009 | Deletion of section because requirements are now covered by 690.13 and 690.15. |
| 690.18 (2014) | FR-1009 | Deletion of requirement that was more oriented toward maintenance and servicing of modules rather than their installation. |
| 690.31(A) | SR-953 | Revisions to include Type MC cable as a wiring method, to relocate and reidentify Table 690.31(E) as Table 690.31(A) for application to all wiring methods, and to remove informational note containing outdated reference to conductors used for module interconnection. |
| 690.31(B) | SR-954 | Revisions to consolidate redundant requirements, to specify identification is required for "accessible" conductors, and to require that only solidly grounded conductors comply with 200.6. |
| 690.31(C)(1) | SR-955 | Revision to reference Articles 334 and 338 for supporting and securing of single-conductor. |
| 690.31(C)(2) | SR-955 | Revision to replace "labeled" with "identified" relative to use of single-conductor PV wire in cable trays. |
| 690.31(D) | SR-956 | Revision to simplify requirement by specifying multiconductor cables be listed and identified for the conditions associated with installations in outdoor locations. |
| 690.31(E) | SR-957 | Revisions to clarify use of flexible cords, flexible cables, and stranded copper PV wire for making connections to moving parts of tracking arrays and to add new table establishing the minimum number of strands for PV wire sizes 18 AWG through 1000 kcmil. |
| 690.31(G) | SR-959 | Revisions to incorporate new term "PV system dc circuits" and to specify the requirement applies only to PV systems in or on buildings. |
| 690.31(G)(3) | SR-961 | Revision to incorporate new term "PV system dc circuits." |

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| 690.31(G)(4) | SR-962 | Revision to incorporate new term "PV system dc circuits." |
| 690.31(I) | FR-978 | Revisions to remove the term "photovoltaic system voltage" and to clarify the type of bipolar system requiring a notice warning of the hazard resulting from disconnecting the grounded conductor. |
| 690.31(J) | SR-963 | Deletion of requirement addressing a hazard that could not occur in a two-wire circuit. |
| 690.33 | SR-964 | Revision to exempt connectors associated with certain building integrated photovoltaic (BIPV) products. |
| 690.33(C) | SR-965 | Revision to differentiate between the dc and ac circuit voltage at which a tool is needed to open a connector. |
| 690.35 | FR-982 | Deletion of section because its provisions were either covered elsewhere or were not prohibited by Article 690. There is no need to distinguish between ungrounded and reference grounded PV system/circuits in regard to wiring methods. |
| Article 690 Part V | FR-983 | Revision to add "bonding" to title of Part V. |
| 690.41(A) | SR-966 | Revision to clarify methods of grounding PV systems by distinguishing between functional (reference) and solidly grounded systems for correlation with related changes throughout Article 690. |
| 690.41(B) | SR-966 | Requirements for ground-fault protection have been relocated from 690.5 and revised to correlate with related changes on "functional" grounded systems throughout Article 690. Warning label requirement deleted as a result of new equipment isolation requirements in 690.15. |
| 690.42 | SR-967 | Revision to clarify the location of the grounding connection for systems with dc ground-fault protection and dc systems that are solidly grounded. Language from exception in 2014 NEC has been incorporated into the general rule. |
| 690.43 | FR-993 | Revisions to consolidate and clarify equipment bonding requirements and to recognize the increased availability of products listed, labeled, and identified for making bonding connections to module frames and metal support structures. |
| 690.45 | SR-968 | Revision to clarify basis for sizing equipment grounding conductors for PV source and PV output circuits. |
| 690.46 | FR-985 | Revised to follow the general requirement covering the use of solid conductors in raceways. |
| 690.47(A) | FR-995, SCR-106 | Revisions and new informational note to clarify and differentiate grounding electrode connection requirements for reference (functional) grounded systems from those required for solidly grounded systems. |
| 690.47(B) | FR-995, SCR-106 | Revision that changes connection of an array frame or structure from a mandatory to a permissive requirement. |

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| 690.48 | FR-986 | Deletion of requirement related to maintenance/repair procedure on a completed installation. |
| 690.49 | FR-986 | Deletion of requirement related to maintenance/repair procedure on a completed installation. |
| 690.53 | SR-970 | Revisions to clarify that the requirement applies to dc PV system disconnecting means and to required dc equipment disconnecting means. |
| 690.55 | SR-971 | Revision to specify required marking of PV system output circuit conductors where they are connected to an energy storage system. |
| 690.56(A) | FR-997 | Revisions to remove detail on acceptance of plaque or directory location and to remove reference to marking requirement for wiring methods in 690.31(G)(4). |
| 690.56(B) | FR-998 | Revision to default to marking requirement specified by 705.10. |
| 690.56(D) | FR-989, SCR-107 | Revisions to provide text, symbols, font color, and other details to be used on signs indicating the type of rapid shutdown provided at a building, to include examples of rapid shutdown signs, to establish requirement for providing a directory where different types of rapid shutdown or systems without rapid shutdown are located on the same building, and to set requirements for identifying the rapid shutdown switch. |
| Article 690 Part VII | SCR-108 | Revision to Part VII to include only 690.59 referencing Parts I and II of Article 705. |
| Article 690 Part VIII | FR-1012 | Revision to Part VIII to include only 690.71 containing a reference to new Article 706, "Energy Storage Systems" and 690.72 covering self-regulated PV charge control for systems interconnected with an energy storage system. |
| Article 690 Part IX | FR-1010 | Deletion of Part IX because it did not contain requirements unique to PV systems operating over 1000 volts. |
| Article 690 Part X | FR-1011 | Deletion of Part X because it did not contain requirements unique to electric vehicle supply equipment supplied by a PV system. EVSE may be supplied by, but is not part of a PV system. |
| **Article 691** | SCRs-110, 111, 112 SRs-976, 977, 978, 979, 981, 982, 983, 984, 985 | New article with requirements on applicability, installation, equipment approval, engineered design, disconnection, and arc-fault mitigation unique to large-scale photovoltaic electric supply stations. |
| **Article 692** | | |
| 692.1 | SCR-113 | Revision to create simplified comprehensive scope statement with new informational note describing several modes of fuel cell operation. |

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| 692.3 (2014) | FR-946 | Deletion of requirement deemed unnecessary based on proper use of code structure per 90.3. |
| 692.6 | FR-946 | Revision to include field labeling as a certification option and edits to provide text consistent with parallel requirements in Articles 690 and 694. |
| Part VIII | FRs-912 and 913 | Deletion of Part VIII because the general requirements for installations rated over 1000 volts apply to fuel cells. |
| **Article 694** | | |
| Entire article | FR-7516 (Global Input) | Revisions throughout to remove "small" prior to "wind" for correlation with scope of article. |
| 694.1 | SR-922 | Revisions to make text similar to that contained in the scopes and associated informational notes of Articles 690 and 692 and to Informational Note Figure 694.1(a) to illustrate that wind power systems may be interconnected with other than utility electric power production sources. |
| 694.2 Guy | SR-923 | Deletion of term that is not unique in application to Article 694. |
| 694.2 Tower | SR-924 | Revision to make term unique in application to Article 694. |
| 694.3 | FR-914 | Deletion of requirement deemed unnecessary based on proper use of code structure per 90.3. |
| 694.7(B) | SR-925 | Revisions to include field labeling as a certification option and to include text and associated informational note related to the process involved in the certification and listing of wind electric systems. |
| 694.7(D) | FR-944 | Revision to the term used to describe the location at which Type 3 SPDs are permitted to be installed. |
| 694.7(F) | FR-915 | Revisions to include field labeling as a certification option and to delete unnecessary description of pole or tower material. |
| 694.7(G) | SR-921 | New requirement providing working space clearances unique to Article 694. |
| 694.10(A) | FR-917 | Revision removing cross-reference to requirements that have been deleted from Article 694. |

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| 694.18 | FR-916 | Deletion of requirements covering stand-alone systems based on inclusion of new Article 710. |
| 694.40 | FR-1024 | Revisions to use terminology that correlates with Article 250, to remove unnecessary cross-references, and to provide additional guidance in the informational note. |
| 694.60 | FR-999 | Revision requiring that equipment be "labeled" in addition to being "listed" and "identified." |
| Part VIII | FR-918 | Deletion of Part VIII because the general requirements for installations rated over 1000 volts apply to wind electric systems. |
| **Article 695** | | |
| 695.3 Informational Note | FR-3651 | New informational note containing NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection,* references covering power supply reliability. |
| 695.3(C)(1) and (2) | FR-3652 | Revisions to provide more specific cross-references. |
| 695.4(B)(1)(3)(b) | FR-3653 | Deletion of text to correlate with change made in 695.4(B)(2)(a)(1) on sizing feeder overcurrent protective devices at multibuilding campus-style complexes. |
| 695.4(B)(2)(a)(1) | FR-3653 | Revision to clarify requirement for sizing feeder overcurrent protective devices at multibuilding campus-style complexes. |
| 695.4(B)(3) a)(1) through (4) | SR-3622 | New exception clarifying that a normal source disconnecting means at multibuilding campus-style complexes is only subject to the requirement for lockable disconnecting means. |
| 695.6(A)(2) | SR-3623 | Revisions clarifying that certified cable and raceway systems are available to meet the requirement for 2-hour protection from fire and editorial corrections to Informational Note No. 1. |
| 695.6(D) | FR-3655 | Revision eliminating restriction on installing only one type of LFNC. |
| 695.6(E) | SR-3624 | Revision clarifying that GFPE is not prohibited in power circuits upstream of the fire pump power circuit to align with NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*. |
| 695.14(E) | SR-3625 | Revisions eliminating restriction on installing only one type of LFNC and to include EMT as a permitted wiring method. |

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| 695.14(F) | SR-3626 | Revisions to add control circuit supervision and failure mode requirement, to add new informational note with referencing NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, and to revise and relocate existing informational note on electrical circuit protective systems. |
| 695.15 | FR-3658 | New requirement covering surge protection of fire pump controllers. |

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| **Chapter 7** | | |
| **Article 700** | | |
| 700.1 | FR-3605 | Revision to update edition date of referenced standard in Informational Notes No. 2 and No. 3. |
| 700.2 Branch Circuit Emergency Lighting Transfer Switch | FR-3607 | New definition and associated Informational Note for equipment listed to transfer power at the branch circuit level. |
| 700.2 Luminaire, Directly Controlled | SR-3601 | New definition and associated informational note for dimmable luminaires that are automatically restored to full illumination when power is transferred from normal to emergency source. |
| 700.3(C) | FR-3608 | Revision to expand requirement to other emergency system equipment. |
| 700.3(F) | FR-3616, SCR-84 | New requirement to provide means to connect a portable or temporary alternate power source when permanently installed alternate power source is out of service for maintenance or repair. |
| 700.4(B) | FR-3617 | Deletion of last sentence to correlate with new requirement in 700.3(F). |
| 700.5(C) | FR-3609 | Revision to expand listing requirement to all equipment voltage ratings. |
| 700.5(F) | FR-7518 | New requirement for field marking of transfer equipment with short-circuit current rating. |
| 700.6(D) | FR-3638 | Revision covering the location of ground-fault sensing equipment where multiple alternate sources are connected in parallel. |

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| 700.7(A) | FR-3611 | Revision to address premises having multiple on-site alternate sources of emergency power. |
| 700.10(A) | FR-3612, SCR-85 | Revision to expand applicability to raceways, cables, and receptacles. |
| 700.10(B)(5) | FR-3613 | Revision and new informational note figures to clarify compliant options for supplying common bus from which emergency circuits are supplied. |
| 700.10(D) | SR-3612 | Revision to add new occupancy types where emergency feeders are required to be protected from fire. |
| 700.10(D)(1) | SR-3604 | Revisions to clarify methods of protecting emergency feeders from fire and to correlate terminology with that used in product certification standards. |
| 700.10(D)(3) | SR-3611 | Revisions to add control circuit supervision and failure mode requirement. |
| 700.12 | SR-3613 | Revision to add new occupancy types where the alternate source of emergency power is required to be protected from fire. |
| 700.12(A) | SR-3606 | Revisions to delete performance and maintenance related inspection requirements that are addressed in NFPA 111. |
| 700.12(F)(2)(1) | SR-3607 | Revisions to remove provision that is part of the product certification process and improve readability. |
| 700.16 | FR-3619 | Editorial. |
| 700.25 | FR-3620 | New requirement establishing conditions of use for transfer switches installed in branch circuits. |
| 700.31 | FR-3621 | Revision to improve technical accuracy. |
| **Article 701** | | |
| 701.1 | FR-3622 | Revision to update edition date in Informational Note No. 1. |
| 701.3(C) | FR-3623 | Revision to expand requirement to other legally required standby system equipment. |
| 701.5(C) | FR-3624 | Revision to expand listing requirement to all equipment voltage ratings. |

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| 701.5(D) | FR-7519 | New requirement for field marking of transfer equipment with short-circuit current rating. |
| 701.6(A) | FR-3625 | Revision to clarify condition of alternate power source operation covered by the requirement. |
| 701.6(D) | SR-3608 | Revision covering the location of ground-fault sensing equipment where multiple alternate sources are connected in parallel. |
| 701.7(A) | FR-3626 | Revision to address premises having multiple on-site alternate sources of legally required standby power. |
| 701.12(A) | SR-3609 | Revisions to delete performance and maintenance related inspection requirements that are addressed in NFPA 111. |
| 701.12(G)(4) | SR-3610 | Revisions to remove provision that is part of the product certification process and improve readability. |
| 701.26 | FR-3629 | Revision to improve technical accuracy. |
| **Article 702** | | |
| 702.5 | FR-7520 | New requirement for field marking of transfer equipment with short-circuit current rating. |
| 702.6(A) | FR-3630 | Revision to clarify condition of alternate power source operation covered by the requirement. |
| 702.7(A) | FR-3631 | Revision to address premises having multiple on-site alternate sources of legally required standby power. |
| 702.12(A) | FR-3633 | Revision of title to clarify application of requirement. |
| 702.12(C) | FR-3632 | New requirement for connection of portable generators to premises wiring systems using power inlets rated 100 amperes and greater. |
| **Article 705** | | |
| 705.2 Interactive Inverter Output Circuit | FR-1042 | Revisions to recognize that interactive connections are not made exclusively to utility sources. |

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| 705.2 Microgrid Interconnect Device (MID) | SR-989 | New definition for equipment used with an onsite generation and distribution system to disconnect from and operate in parallel with a primary power source. |
| 705.2 Microgrid System | SR-988 | New definition for on-site premise power generation, storage, and distribution system that cannot operate independently from or in parallel with a primary power source. |
| 705.2 Multimode Inverter | SR-990 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.2 Stand-Alone System | SR-991 | Relocation of definition used in more than one article to Article 100. |
| Table 705.3 | SR-992 | Addition of references to new related articles. |
| 705.6 | SR-993 | Relocation from 705.4 and revisions to identify typical power sources that are interconnected, to include field labeling as an equipment certification option, and to recognize that interactive connections are not made exclusively to utility sources. |
| 705.8 | SR-994 | Relocation from 705.6 and editorial revision. |
| 705.10 | FR-1043 | Revisions to clarify where plaques or directories are to be located and to require the markings comply with 110.21(B). |
| 705.12(B) and (C) (2014) | SR-995 | Deletion resulting from revisions to 705.12 specifying interconnections are made either on the supply side or on the load side of the service disconnecting means. |
| 705.12(B) | SR-997 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(1) | FR-1025 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(2)(1) | FR-1025 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(2)(2) | FR-1025 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(2)(3)(a) | FR-1025 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |

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| 705.12(B)(2)(3)(b) | FR-1025 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(2)(3)(d) | SR-997 | New requirement to accommodate interconnected sources in a center-fed panelboard installed at dwelling units. |
| 705.12(B)(2)(3)(E) | SR-997 | Revision to clarify requirement covering engineered approach to busbar protection. |
| 705.12(B)(5) | SR-997 | Revision to expand applicability to all sources of power that are interconnected with the primary source. |
| 705.12(B)(6) (2014) | FR-1025 | Deletion of requirement due to unavailability of equipment to provide required circuit protection. |
| 705.21 | FR-1026 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.22 | SCR-114 | Revisions for clarity, to correlate requirements for rating of disconnecting means with those contained in Article 690, to provide for warning messages consistent with those contained in Article 690, and to reference 110.25 for locking requirements. |
| 705.23 | SR-999 | New requirement for a means to disconnect/isolate interactive systems from other sources and equipment. |
| 705.30(D) | FR-1027 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.32 | FR-1022 | Editorial: MOS |
| 705.40 | FR-1036 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.42 | FR-1036 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| Part II —Interactive Inverters | FR-1030 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.60(B) | FR-1037 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |

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| 705.60(C) | SCR-115 | New requirement for the ampacity of power source output circuit conductors connected to feeder conductors having a higher ampacity than the output conductors. |
| 705.70 | FR-1038 | Revisions to recognize that interactive inverters are not used exclusively with utility sources and to use acronym for alternating and direct current. |
| 705.82 | FR-1033 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.95(B) | FR-1034 | Revision to recognize that interactive inverters are not used exclusively with utility sources. |
| 705.100(A) and Informational Note | FR-1035 | Revisions to recognize that interactive inverters are not used exclusively with utility sources and for MOS compliance on the use of 3-phase. |
| Part IV —Microgrid Systems | FR-1045, SCR-116 | New Part IV containing requirements for power source(s) that can be operated as a microgrid independent of other power sources. |
| **Article 706** | FR-3622, SRs-3643, 3634, 3638, 3658, 3635, 3659, 3636, 3633, 3640, 3641, 3644, 3645, 3646, 3648, 3649, 3631, 3651, 3652, 3653, 3654, 3655, 3632, 3656, 3657, SCRs-86, 87, 88, 89, Global SCR-119 | New article covering energy storage systems that includes defined terms and requirements on system classification, equipment certification, disconnecting means, connection to other energy sources, location, directories, circuit sizing, overcurrent protection, charge control, electrochemical energy storage systems, flow battery energy storage systems, and other energy storage technologies. |
| **Article 708** | | |
| 708.10(A)(2) | FR-3634 | Revision to require receptacles supplied from the COPS be equipped with visible means to indicate device is energized. |
| 708.10(C)(1) | FR-3659 | Revision to clarify mandatory intent to use only specified wiring methods. |
| 708.10(D)(2) | SR-3605 | Revisions to provide consistency with Article 700 requirements for protecting feeders from fire and to correlate terminology with that used in product certification standards. |

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| 708.20(E) | FR-3636 | Revision expanding requirement to cover new, in addition to existing, battery technologies. |
| 708.24(E) | FR-7521 | New requirement for field marking of transfer equipment with short-circuit current rating. |
| 708.52(B) | FR-3660 | Deletion of statement specifying that GFPE is not required for equipment supplied by ungrounded systems. |
| **Article 710** | SR-987 | New article covering stand-alone systems that includes requirements on equipment certification, supply capacity, conductor sizing, use of 120-volt circuits to supply 240-volt equipment, energy storage equipment, back-fed circuit breakers, and supply voltage and frequency control. |
| **Article 712** | FR-3663, SR-3627 | New article covering direct current microgrids that includes defined terms and requirements on equipment certification, circuit requirements, disconnecting means, wiring methods, ground-fault and arc-fault detection/protection, grounding, marking, overcurrent protection, and systems rated over 1000 volts. |
| **Article 720** | No Changes | |
| **Article 725** | | |
| 725.1 | FR-619 | Revision to replace "appliance" with "utilization equipment." |
| 725.3(C) | SR-609 | Revision to existing exception for permitting cables installed in ducts in accordance with 725.135(B) and new exception permitting cables to be installed in other spaces used for environmental air where installed in accordance with 725.135(C). |
| 725.3 | FR-624 | Revision to include new list items (M) for cable routing assemblies and (N) for communications raceways. |
| 725.121(A)(4) | FR-620 | Revision to expand the limited-power circuit equipment permitted as a power source and revision to the informational note referencing additional UL standards. |

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| 725.121(C) | SCR-25 | New requirement for labeling of limited power circuit output connection points on listed IT equipment and listed industrial control panels and equipment. |
| 725.133 | SR-612 | Revision to update the reference to include new section 725.144. |
| 725.135(B) | FR-625 | Editorial |
| 725.135(C) | FR-626 | Revision to permit cables installed in plenum cable routing assemblies and Types CL2P and CL3P cables supported by open metallic cable trays or cable tray systems. |
| 725.135(J) | FR-627 | Revision to permit Type PLTC-ER cable to transition between cable trays and between cable trays and utilization equipment or devices for a distance not to exceed 1.8 m (6 ft) without continuous support. |
| 725.135(K) | SR-620 | Revision to expand permitted installations under modular flooring and planks. |
| 725.135(L) | SR-621 | Revision to expand permitted installations under modular flooring and planks. |
| 725.135(M) | SR-622 | Revision to expand permitted installations under modular flooring and planks. |
| 725.144 | SR-611 | New section to provide requirements for cables that are used for transmission of data and power. |
| Table 725.154(A) | FR-628 | Revision to include CMUC and permitted use of cable routing assemblies. |
| 725.170 | SR-614 | New requirement for listing and marking of equipment for power and data transmission. |
| 725.179 | SR-615 | Revision to delete cable routing assemblies and communications raceways to correlate with 725.3(M) and (N). |
| 725.179(A) | FR-630 | Revision to update edition of the referenced standard in the informational note. |
| 725.179(B)-(F) and (H) | FR-630 | Editorial |
| 725.179(G) | FR-630 | Revision to include minimum temperature ratings for Class 2 and 3 cables. |
| 725.179(I) | SR-615 | New requirement for limited power (LP) cables. |
| **Article 727** | | |

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| 727.4(5) | FR-631 | New exception to permit Type ITC-ER cable to transition between cable trays and between cable trays and utilization equipment or devices for a distance not to exceed 1.8 m (6 ft) without continuous support. |
| **Article 728** | | |
| 728.4 | FR-632 | Revision to delete portion of requirement redundant to 110.2 per NEC arrangement specified in 90.3. |
| 728.5 (C) | FR-633 | Revision to include requirement and associated informational note covering raceway fill for fire-resistive cable systems. |
| **Article 760** | | |
| 760.3(B) | SR616 | Revision to existing exception for permitting cables installed in ducts and new exception permitting cables to be installed in other spaces used for environmental air where installed in accordance with 760.135(C). |
| 760.3(L) | FR646 | Revision to include new list item for cable routing assemblies. |
| 760.3(M) | FR646 | Revision to include new list item for communications raceways. |
| 760.53(B) | FR635 | Revision to correlate with 300.22 terminology. |
| 760.133 | FR636 | Revision adds "cable routing assemblies" and correlates with 725.133. |
| 760.135(B) | FR639 | Revision to correlate with 300.22 terminology. |
| 760.135(C) | FR640 | Revision to include Type FPLP cables installed in plenum routing assemblies. |
| Table 760.154 | FR641 | Revision to include permitted use of cable routing assemblies. |
| 760.176 | SR618 | Revision to include minimum temperature ratings for non-power-limited fire alarm cables. |
| 760.176(C) | Global FR644 | Revision updates edition of the referenced standard in the informational note. |
| 760.176(G) | FR643 | Revision to require additional marking for conductor size and temperature ratings for cables rated in excess of 60°C (140°F). |
| 760.179(C) | SR619 | Revision to include minimum temperature ratings for PLFA cables. |
| 760.179(D) | Global FR644 | Revision updates edition of the referenced standard in the informational note. |
| 760.179(I) | FR642 | Revision to require additional marking for conductor size and temperature ratings for cables rated in excess of 60°C (140°F). |

| **Article 770** | | |
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| 770, Informational Note | FR7503 | Revision deletes the explanatory material that identified changes in terminology from previous editions of the NEC. |
| 770.1 | FR4510 | |
| 770.2 | FRs - 4511, 4513, 4514, and 4515 | Deletion of definitions because defined terms have been relocated to Article 100. |
| 770.2, Exposed (to Accidental Contact) | SR450 | New informational note referencing additional definitions of exposed in Article 100. |
| 770.3 | FR4516 | Editorial |
| 770.12 | FR4517 | Relocated to section 770.110. |
| 770.24 | PI-563 & PC-73 | New Informational Note recognizing contaminants may impact optical fiber cable properties. |
| 770.44 | FR4519 | New section that provides requirements for overhead outside plant optical fiber cables. |
| 770.47(B) | FR4520 | Editorial |
| 770.48(A) | SR4511 | Revision to permit RMC and IMC to extend the point of entry. |
| 770.48(B) | FR4521 | Revision to clarify restrictions for unlisted outside plant cable installed in rigid polyvinyl chloride conduit and electrical metallic tubing. |
| 770.49 | FR4522 | Editorial |
| 770.93 | FR4523 | Revision deletes the informational note. |
| 770.100(B)(1) | FR4524 | Revision deletes the informational note. |
| 770.100(B)(2) | SR26 | Revision to include a reference to 250.94(A) for intersystem bonding terminations. |
| 770.100(B)(3) | FR4526 | Revision to clarify that lightning protection system conductors, not just air terminals, are not be used as a part of the grounding electrode conductor or as a grounding electrode |
| 770.100(D), Informational Note No. 1 | FR4527 | Revision to clarify that no lightning protection system component may be used to provide the required bonding jumper. |
| 770.110(A)(2) | SR4513 | Revision to include the applications requirements of Table 800.154(b), the listing requirements of 800.182, and for correlation with 770.110(C), cable routing assemblies. |
| 770.110(A)(3) | FR4517 | Relocated from section 770.12. |

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| 770.110(C) | FR4529 | Revision to include the reference to listing requirements of 800.182 and the installation requirements of 800.110(C). |
| 770.113 | FR4530 | Revision to include cable routing assemblies. |
| 770.113(A) | SR4514 | Revision to include a reference to 770.179. |
| 770.113(B) | FR4532 | Editorial Revisions and updates the edition of the referenced standard in the informational note. |
| 770.113(C) | FR4533 | Revision to include a reference to 800.182 listing requirements for communications raceways and cable routing assemblies, deletes Informational Note No. 2 and updates the edition of the referenced standard. |
| 770.113(D) | FR4534 | Revisions deletes raceways and cable routing assemblies as their requirements are covered in 770.110. |
| 770.113(E) | FR4535 | Revision to include innerduct. |
| 770.113(F) | FR4536 | Editorial |
| 770.113(G) | FR4537 | Editorial |
| 770.113(H) | FR4537 | Editorial |
| 770.113(I) | FR4538 | Editorial |
| 770.113(J) | FR4539 | Editorial |
| 770.133(B) | FR4540 | Revision combines requirements for "with communication cables" and "with other circuits" under one subdivision. |
| 770.133(C) | FR4541 | Revision adds "Optical Fiber" to the title. |
| Table 770.154(a) | FR4542 | Revision to correlate with 770.113 and permitted use of cable routing assemblies. Revision to terminology to correlate with 300.22 and deletes Informational Note No. 3 |
| 770.179 | FR4543 | Revision to require additional marking for conductor temperature ratings for cables rated in excess of 60°C (140°F). |
| 770.179(A), Informational Note | FR4543 | Revision updates edition of the referenced standard in the informational note. |



| **Chapter 8** | | |
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| **Article 800** | | |

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| 800 Communications Circuits, Informational Note | FR-7504 | Revision deletes the explanatory material that identified changes in terminology from previous editions of the NEC. |
| 800.2 | FR-4502 and SR-4504 | Deletion of definitions because defined terms have been relocated to Article 100. |
| 800.2, Exposed (to Accidental Contact) | SR-4562 | New informational note referencing additional definitions of *Exposed* in Article 100. |
| 800.2, Point of Entrance | SR-4519 | Revision to delete "from rigid metal conduit (RMC), or from intermediate metal conduit (IMC)" to correlate with 800.48. |
| 800.3(H) | SR-4566 | New item to address temperature limitation of conductors. |
| 800.12 | FR-4888 | Revision to delete section and relocate to 800.110(A). |
| 800.24 | SR-4522 | Revision to add a reference to 800.170(C) for additional listing requirements. Revision to information notes to update the edition year and titles of referenced standards. New informational note provides possible contamination of optical fiber cables during the construction process. |
| 800.44(B) | FR-4652 and SR-4523 | Editorial: MOS and revision to update the edition year and title of the referenced standard in the informational note. |
| 800.47(A) | FR-4653 | Revision to title to correlate with section content and titles in Articles 770 and 820. |
| 800.48 | SR-4524 | Revision to permit RMC and IMC to extend the point of entry. |
| 800.49 | FR-4655 | Editorial |
| 800.53 | FR-4656 | New informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems,* for separation distances. |
| 800.90(A)(3) | FR-4657 | New informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems*. |
| 800.90(A)(1) | SR-4525 | Revision to update edition year and title of the referenced standard in the informational note. |
| 800.93 | FR-4659 | Revision to title to clarify that it is the non-current-carrying members that are to be grounded. |
| 800.100(B)(2) | SCR-27 | Revision to include a reference to 250.94(A) for intersystem bonding terminations. |
| 800.100(B)(3) | FR-4662 | Revision to clarify that lightning protection system conductors, not just air terminals, are not be used as a part of the grounding electrode conductor or as a grounding electrode. |

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| 800.100(D) | FR-4663 | Revision to clarify that no lightning protection system component may be used to provide the required bonding jumper. |
| 800.110(A)(2) | FR-4664 | Revision to include the applications requirements of Table 800.154(b) and the the listing requirements of 800.182 and for correlation with 800.110(C), cable routing assemblies. |
| 800.110(A)(3) | FR-4688 | Relocation from 770.12. |
| 800.110(C) | FR-4665 | Revision to include the reference to listing requirements of 800.182 and the installation requirements of 800.110(C). |
| 800.113(A) | FR-4666 | Editorial |
| 800.113(B) | FR-4667 | Editorial revisions and updates the edition of the referenced standard in the informational note. |
| 800.113(C) | FR-4668 | Revision to include a cable routing assemblies and to update the edition year of the referenced standard in the informational note. |
| 800.113(D) | FR-4669 | Editorial |
| 800.113(E) | FR-4670 | Revision to include innerduct. |
| 800.113(J) | FR-4671 | Revision to expand permitted installations under modular flooring and planks. |
| 800.113(K) | FR-4672 | Revision to expand permitted installations under modular flooring and planks. |
| 800.113(L) | FR-4673 | Revision to expand permitted installations under modular flooring and planks. |
| 800.133(A)(1) | SR-4535 | Revision to combine requirements for "optical fiber and communication cables" and "other circuits" under one subdivision. |
| 800.133(A)2), Exception No. 1 and 2 | FR-4675 | Editorial: MOS |
| Table 800.154(a) | FR-4676 and SR-4535 | Revision to correlate with 800.113 and permitted use of cable routing assemblies. Revision to terminology to correlate with 300.22 and Informational Note No. 1 referring to 800.2 for definition of *Point of Entrance*. Deletion of Informational Note No. 3. |
| 800.154(B) | FR-4676 | Revision to terminology to correlate with 300.22 and expansion of permitted installations under modular flooring and planks and to add “communication raceway” to the table note. |
| 800.170 | SR-4536 | Revision to update edition year and title of the referenced standard in the informational note. |
| 800.170(A), (B) and (C) | SR-4536 | Revision to update edition year and title of the referenced standard in the informational note. |

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| 800.179 | FR-4678 | Revision to require additional marking for conductor temperature ratings for cables rated in excess of 60°C (140°F). |
| 800.179(C), (D), (H) and (I) | FR-4680 | Revision to update the referenced standard section in the informational note. |
| 800.179(G) | FR-4680 | Revision to delete the reference to 800.179(E) because there are currently no CMX-CI cables and no "fire-resistive" CMX cables. |
| 800.182 | FR-4684 | Revision to clarify that "communications" does not modify "cable routing assemblies," to add a reference to new Tables 800.182(a) and (b), and to update the edition year and title of the referenced standard in the informational note. |
| Table 800.182(a) | FR-4684 | New table that includes marking requirements for cable routing assemblies. |
| Table 800.182(b) | FR-4684 | New table that includes marking requirements for communications raceway. |
| 800.182(A) | SR-4537 | Revision to clarify that "communications" does not modify "cable routing assemblies." Two new informational notes to provide guidance on fire-resistant and low-smoke producing characteristics and new informational note referencing NFPA 90A-2015, *Standard for the Installation of Air-Conditioning and Ventilating Systems*. |
| 800.182(B) | FR-4686 | Revision to clarify that "communications" does not modify "cable routing assemblies" and new informational note to reference standards that define fire-resistant characteristics. |
| 800.182(C) | FR-4687 | Revision to clarify that "communications" does not modify "cable routing assemblies" and new informational note referencing standards that define fire-resistant characteristics. |
| **Article 810** | | |
| 810 Radio and Television Equipment, Informational Note | FR-7505 | Revision to delete the explanatory material that identified changes in terminology from previous editions of the NEC and new reference to Figures 800(a) and 800(b). |
| 810.6, Informational Note | SCR-30 | Revision to update the title of the referenced standard. |
| 810.15 | FR-4546 | Revision to define a zone where grounding is not required and new informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems*. |

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| 810.18, Informational Note No. 1 and 2 | FR-4547 | Revision to Informational Note No. 1 to include a reference for sideflash calculations in NFPA 780, *Standard for the Installation of Lightning Protection Systems.* Revision to Informational Note No. 2 to update the edition year in the reference standard. |
| **Article 820** | | |
| 820 Community Antenna Television and Radio Distribution Systems, Informational Note | FR-7506 | Revision to deletes the explanatory material that identified changes in terminology from previous editions of the NEC and new reference to Figures 800(a) and 800(b). |
| 820.2, Coaxial Cable | FR-4501 | Deletion of definition because defined term has been relocated to Article 100. |
| 820.2, Exposed (to Accidental Contact) | SR-4556 | New informational note referencing additional definitions of *Exposed* in Article 100. |
| 820.2, Point of Entrance | SR-4541 | Revision to delete "from rigid metal conduit (RMC), or from intermediate metal conduit (IMC)" to correlate with 820.48. |
| 820.3(J) | FR-4551 | Revision to delete section and relocate to 820.110. |
| 820.24 | SR-4503 | Revision to add a reference to 800.170(C) for additional listing requirements. Revision to informational notes to update the edition year and titles of referenced standards. New informational note to provide possible contamination of optical fiber cables during the construction process. |
| 820.44(B), Exception No. 1 | FR-4553 | Editorial: MOS |
| 820.44(E)(3) | FR-4554 | Revision to update edition year of the referenced standard in Informational Note No. 1 and to add a new informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems,* for sideflash calculations. |
| 820.47(B) | FR-4555 | Revision to add non–power-limited fire alarm cables and editorial MOS revisions to exceptions. |
| 820.48 | SR-4542 | Revision to permit RMC and IMC to extend the point of entry. |
| 820.49 | FR-4557 | Revision to include all metallic entrance conduit for grounding. |
| 820.100, Exception | FR-4559 | Revision to permit alternative grounding where entirely inside of a building or within a defined zone and new informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems*. |
| 820.100(B)(2) | SCR-31 | Revision to include a reference to 250.94(A) for intersystem bonding terminations. |

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| 820.100(B)(3) | FR-4562 | Revision to clarify that lightning protection system conductors, not just air terminals, are not be used as a part of the grounding electrode conductor or as a grounding electrode. |
| 820.100(D), Informational Note No. 1 | FR-4563 | Revision to clarify that no lightning protection system component may be used to provide the required bonding jumper. |
| 820.110(A)(2) | FR-4564 | Revision to include references to Table 800.154(b) for application requirements, 800.182 for listing requirements, and 362.24 through 362.56 for electrical nonmetallic tubing. |
| 820.110(A)(3) | SR-4544 | New subsection to include requirements for innerduct for coaxial cable. |
| 820.110(C) | FR-4565 | Revision to include references to Table 800.154(c) for application requirements and 800.182 for listing requirements and to delete the installation requirements covered in the reference to 800.113. |
| 820.113 | FR-4566 | Revision to add cable routing assemblies. |
| 820.113(A) | FR-4567 | Editorial |
| 820.113(B) | FR-4568 | Revision to correlate with 300.22 terminology and to update the edition year of the referenced standard in the informational note. |
| 820.113(C) | FR-4569 | Revision to clarify specific types of communications raceways and cable routing assemblies and to update the edition year of the reference standard in the informational note. |
| 820.113(D) | FR-4570 | Editorial |
| 820.113(E) | FR-4571 | Revision to include innerduct. |
| 820.113(F) | FR-4572 | Editorial |
| 820.113(G) | FR-4573 | Editorial |
| 820.113(H) | FR-4574 | Editorial |
| 820.113(I) | FR-4575 | Editorial |
| 820.113(J) | FR-4576 | Editorial |
| 820.113(K) | FR-4577 | Editorial |
| 820.133(A)(1) | FR-4578 | Revision to combines requirements for “optical fiber and communication cables” and “other circuits” under one subdivision and editorial revisions to Exception No. 1 and No. 2. |
| 820.113(A)(2) | FR-4579 | Editorial: MOS |
| Table 820.154a | FR-4580 | Revision to correlate with 800.113 and permitted use of cable routing assemblies. Revision to terminology to correlate with 300.22 and Informational Note No. 1 referring to 800.2 for definition of *Point of Entrance*. Deletion of Informational Note No. 3. |

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| 820.179 | FR-4581 | Revision to require additional marking for conductor temperature ratings for cables rated in excess of 60°C (140°F). |
| 820.179(A) | FR-4581 | Revision to update edition of the referenced standard in the informational note. |
| **Article 830** | | |
| 830, Network-Powered Broadband Communications Systems, Informational Note | FR-7507 | Revision to delete the explanatory material that identified changes in terminology from previous editions of the NEC. |
| 830.1, Informational Note No. 1 | FR-4588 | Revision to add twisted pair broadband communications media type. |
| 830.2, Exposed (to Accidental Contact) | SR-4547 | New informational note referencing additional definitions of *Exposed* in Article 100. |
| 830.2, Network-Powered Broadband Communications Circuit | FR-4591 | Revision to replace “single-family” with “one-family dwelling” to correlate with the definition in Article 100. |
| 830.3(E) | FR-4592 | Revision to replace “optical network terminal” with “network interface unit” and editorial revision to the exception. |
| 830.3(G) | FR-4593 | Revision to delete section as requirements are covered in 830.110(C). |
| 830.24 | SR-4503 | Revision to add 300.4(A), (D), (E), and (F) to provide physical protection methods and 800.170(C) for low smoke and heat release properties. Revision to information notes to update the edition year and titles of referenced standards. New informational note to provide possible contamination of optical fiber cables during the construction process. |
| 830.44(B), Exception No. 1 | FR-4595 | Editorial: MOS |
| 830.44(C), Informational Note | SR-4548 | Revision to update edition year and title of the referenced standard in the informational note. |
| 830.44(G)(3), Informational Note | FR-4597 | New informational note referencing NFPA 780-2014, *Standard for the Installation of Lightning Protection Systems,* for sideflash calculations. |
| 830.44(G)(4), Exception | FR-4598 | Revision to clarify protection pertains to physical protection. |
| 830.47(A) | FR-4599 | Revision to title correlates with section content and titles in Articles 770 and 820. |
| 830.47(B) | SR-4549 | Editorial |

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| 830.49 | FR-4601 | Revision to include all metallic entrance conduit for grounding. |
| 830.90(A) | FR-4602 | New informational note to reference NFPA 780 -2014, *Standard for the Installation of Lightning Protection Systems,* and editorial MOS revisions to the exception. |
| 830.93(A) | FR-4603 | Revision to delete the informational note. |
| 830.100(B)(1) | FR-4604 | Revision to delete the informational note. |
| 830.100(B)(2) | SR-32 | Revision to include a reference to 250.94(A) for intersystem bonding terminations. |
| 830.100(D), Informational Note No. 1 | FR-4607 | Revision to clarify that no lightning protection system component may be used to provide the required bonding jumper. |
| 830.110(A)(2) | FR-4608 | Revision to include references to Table 800.154(b) for application requirements, 800.182 for listing requirements, and 362.24 through 362.56 for electrical nonmetallic tubing. |
| 830.110(A)(3) | FR-4609 | New subsection to include requirements for innerduct. |
| 830.110(C) | FR-4610 | Revision to include references to Table 800.154(c) for application requirements and 800.182 for listing requirements and to delete the installation requirements covered in the reference to 800.113. |
| 830.113 | FR-4611 | Revision to add a reference to 830.110 for installation requirements for raceways and cable routing assemblies. |
| 830.113(B) | FR-4612 | Revision to correlate with 300.22 terminology and to update the edition year of the referenced standard in the informational note. |
| 830.113(C) | FR-4613 | Revision to clarify specific types of communications raceways and cable routing assemblies and to update the edition year of the reference standard in the informational note. |
| 830.113(D) | FR-4614 | Editorial |
| 830.113(E) | FR-4615 | Revision to include innerduct. |
| 830.113(F) | FR-4616 | Editorial |
| 830.113(G) | FR-4617 | Editorial |
| 830.113(H) | FR-4618 | New section to address requirements for cable trays. |
| 830.113(I) | SR-4553 | Editorial |
| 830.133(A)(1) | FR-4645 | Revision to combine requirements for “low-power network-powered broadband communications circuit cables with optical fiber cables and low-power network-powered broadband communications circuit cables with other circuits” under one subdivision. |

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| 830.133(A)(2), Exceptions | SR-4570 | Editorial |
| Table 830.154(a) | SR-4555 | Revision to correlate with 800.113 and permitted use of cable routing assemblies. Revision to terminology to correlate with 300.22 and Informational Note No. 1 referring to 800.2 for definition of *Point of Entrance*. Deletion of Informational Note No. 3. |
| 830.179 | FR-4621 | Revision to require minimum temperature rating and additional marking for conductor temperature ratings for cables rated in excess of 60°C (140°F). |
| **Article 840** | | |
| 840.1 | FR-4582 | Revision to expand the scope to include other types of broadband communications systems and revisions to the informational note to provide information on the expanded scope and types of equipment employed. |
| 840.2 | FR-4583 | Revision to include a reference to 645.2. |
| 840.2, Fiber-to-the-Premises (FTTP) | FR-4585 | Deletion of definition because the term is not used in the article. |
| 840.2, Network Terminal | FR-4586 | Revision to correlate with the expanded scope for other types broadband communications systems. |
| 840.2, Premises Communications Circuit | FR-4622 | Revision to correlate with the expanded scope for other types broadband communications systems. |
| 840.2, Premises Community Antenna Television (CATV) Circuit | FR-4623 | Revision to correlate with the expanded scope for other types broadband communications systems. |
| 840.3(B) | FR-4624 | Revision to include references to 770.3(B), 800.3(B), and 820.3(B) to correlate with the expanded scope for other types broadband communications systems. |
| 840.3(E)(4), Informational Note | FR-4625 | New informational note to reference 725.121. |
| 840.3(F) | FR-4626 | New section to reference other Chapter 8 article requirements. |
| 840.3(G) | FR-4627 | New section to reference 725.139(D)(1) and 800.133(A)(1)(c) for additional installation requirements. |
| 840.44 | FR-4629 | Revision to add “aerial” to correlate with Articles 800, 820, and 830. |

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| 830.44(B) | SR-4558 | Editorial MOS and revision to update the edition year and title of the referenced standard in the informational note. |
| 840.45 | FR-4631 | New section to address requirements for overhead (aerial) communications wires and cables. |
| 840.46 | FR-4631 | New section to address requirements for overhead (aerial) coaxial cables. |
| 840.47 | FR-4632 | Revision to replace “optical fiber” with “wires” to correlate with the expanded scope for other types broadband communications systems. |
| 840.47(A) | FR-4632 | Revision to provide separate requirements for optical fiber installations to correlate with the expanded scope for other types broadband communications systems. |
| 840.47(A)(2), Exception No. 1 and 2 | SR-4559 | Editorial: MOS |
| 840.47(B) | FR-4632 | New section for communications wire and cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.47(C) | FR-4632 | New section for coaxial cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.48 | FR-4633 | Revision to correlate with the expanded scope for other types broadband communications systems. |
| 840.48(A) | FR-4633 | New section for optical fiber cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.48(B) | FR-4633 | New section for communications wire and cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.48(C) | FR-4633 | New section for coaxial cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.49 | FR-4634 | Revision to add references to 800.49 and 820.49 to correlate with the expanded scope for other types broadband communications systems. |
| 840.93(C) | FR-4635 | Revision to replace “ONT (optical network terminal)” with “network terminal” to correlate with the expanded scope for other types broadband communications systems. |
| 840.100 | SR-4560 | Revision to replace “ONT (optical network terminal)” with “network terminal” to correlate with the expanded scope for other types broadband communications systems. |

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| 840.101 | FR-4637 | Revision to replaces “ONT (optical network terminal)” with “network terminal” to correlate with the expanded scope for other types broadband communications systems. |
| 840.106 | FR-4638 | Revision to replaces “ONT (optical network terminal)” with “network terminal” to correlate with the expanded scope for other types broadband communications systems. |
| 840.110 | FR-4639 | Revision to add cable routing assemblies to the section title. |
| 840.110(A) | FR-4639 | New section for optical fiber cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.110(B) | FR-4639 | New section for multipair communications cables to correlate with the expanded scope for other types broadband communications systems. |
| 840.110(C) | FR-4639 | New section for coaxial cable to correlate with the expanded scope for other types broadband communications systems. |
| 840.113 | FR-4640 | Revision to add twisted pair-based and coaxial cable-based systems and to replace “ONT (optical network terminal)” with “network terminal” to correlate with the expanded scope for other types broadband communications systems. |
| 840.154 | FR-4642 | Revision to remove raceways in the title to correlate with 770.154 only addressing the applications of listed optical fiber cables. |
| Part VI | FR-4643 | New Part VI to add requirements for power over Ethernet (PoE) and other powering systems that provide power over data communications cables. |
| 840.160 | SR-4564 | New section to include a reference to 725.144 for power delivery circuits that exceed 60 watts on communications cables. |
| 840.170(A) | FR-4644 | Revision to replace ONT (optical network terminal) with network terminal to correlate with the expanded scope for other types of broadband communications systems and to update the edition year and title of the referenced standard in the informational note. |
| 840.170(C) | SR-4565 | Revision to replace the title of "Premises Communications Circuits" with "Communications Equipment," to replace ONT (optical network terminal) with network terminal, and to add a requirement for listing in accordance with 800.170. |

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| 840.170(D) | FR-4644 | New section requiring cable routing assemblies and communications raceways to be listed in accordance with 800.182. |
| 840.170(E) | FR-4644 | New section requiring communications wires and cable to be listed and marked in accordance with 800.179. |
| 840.170(F) | FR-4644 | Revision to replace ONT (optical network terminal) with network terminal to correlate with the expanded scope for other types broadband communications systems. |
| 840.170(G) | FR-4644 | New section to provide listing requirements for circuits intended to provide power over communications cables. |
| **Chapter 9** | | |
| Table 1, Note 9 | FR-2126 | Revision to clarify application conduit or tubing fill where single conductors are installed as an assembly. |
| Table 4 Article 356 LFNC-A, B, and C | FR-2127 | New tables added for Type liquidtight flexible nonmetallic conduit (LFNC-A, B, and C) and note to each table referencing 356.2. |
| **Annex A** | FR-11 and SR-4 | Revision to update references to numerous UL and other product standards. |
| **Annex B** | | |
| B.310.15(B)(2) | SR-1501 | Revision to update edition year and title of the referenced standard in the informational note. |
| B.310.15(B)(7) | FR-1512 | Revision to notes to correlate with notes in 310.15 tables. |
| **Annex C** | FR-2128 | Revision to add new Table C.7 and Table C.7(A) to identify fills for LFNC-C for both concentrically stranded conductors and compact conductors. |
| **Annex D** | | |
| Example D3 | FR-341 | Revision to correct the calculated load to reflect only the requirements of Article 220. |
| Example D7 | FR-1513 and SCR-37 | Revisions to include a comparison of the minimum conductor ampacity when corrected for elevated ambient temperature and to add a table with minimum permitted conductor sizes without ampacity correction or adjustment for service and feeder ratings of 100 through 400 amperes. |
| Example D8 | SR-3007 | Revision to add examples for nontime-delay fuse and inverse time circuit breaker. |
| **Annex E** | | No changes |
| **Annex F** | | |
| **Annex F, Part I** | FR-7526 | Corrected equation |
| **Annex G** | | No changes |
| **Annex H** | | No changes |
| **Annex I** | | No changes |

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| **Annex J** | | No changes |