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These highlights are just some of the 2014 NEC Code Changes. For complete language of these codes refer to the NFPA standard 70 for 2014.

- 1.) 110.26 (E) (2). Dedicated equipment space now required for outdoor electrical equipment.
- 2.) 200.4 (B). Where more than one neutral conductor is in an enclosure with different circuit conductors, it shall be identified or grouped with the corresponding ungrounded circuit conductors.
- 3.) 210.8 (A) (7). GFCI protected receptacles are required within 6ft of all sinks in a dwelling unit.
- 4.) 210.8 (A) (9). GFCI protected receptacles are required within 6ft of bathtub and shower stalls.
- 5.) 210.8 (A) (10). GFCI protected receptacles are required in all laundry areas.
- 6.) 210.8(B)(8) Ground fault circuit-protection shall be provided for receptacles in non-dwelling garages.
- 7.) 210.8 (D). AFCI/GFCI protection is required for outlets that supply dishwashers in dwelling units.
- 8.) 210.12 (A). Kitchen and laundry areas have been added to the list of rooms requiring AFCI protection.
- 9.) 210.12 (A) (1). A listed combination type AFCI. If you use an AFCI receptacle, you must label the first outlet box.
- 10.) 210.12 (A) (3) (A). The branch circuit must be continuous from the branch circuit over current device to the outlet.

- 11.) 210.12 (A) (3) (B). The maximum length of the branch circuit to the first outlet is 14 AWG is 50 feet. 12 AWG is 70 feet.
- 12.) 210.12 (A) (5). If using receptacle type AFCI, you must use a metal approve type raceway to the first outlet box.
- 13.) 210.12 (B). Arc-fault protection shall be provided where the branch circuit is modified, replaced, or extended. (Since the AFCI receptacle was not readily available at the time of adoption of this code, this requirement will be waived under the authority given in NEC 90.4 if the installation proves to be impracticable)
- 14.) 210.12 (B) exception. AFCI protection is not required for an extension of conductors not more than 6ft and does not include any additional outlets or devices. (Extension from a new panel to the old panel, using it as a junction box).
- 15.) 210.12 (B) (2) Exception. AFCI protection shall not be required where the extension of the existing conductors is not more than 6 feet.
- 16.) 210.17. Outlet(s) installed for the purpose of charging electric vehicles shall be supplied by a separate branch circuit, and shall have no other outlets.
- 17.) 210.8 Ground fault circuit-interruption for personnel shall be installed in a readily accessible location.
- 18.) 210.52(C)(5) Receptacle outlet assemblies listed for the application shall be permitted to be installed in countertops.
- 19.) 210.52 (E) (1) & (2). This is a revised requirement for the outdoor receptacles required at the front and back of 1 & 2 family, and Multifamily dwelling units. The receptacles must be readily accessible from grade and not more than 6-1/2ft above grade level. (Previous language stated they must be accessible while standing at grand level).
- 20.) 210.52 (E) (3). Balconies, decks, porches that are attached to the dwelling unit and are accessible from inside the dwelling unit shall have at least one receptacle.
- 21.) 210.52 (G) (1). For attached and detached garages with electric power, the branch circuit supplying the garage receptacle(s) will not supply any outlets outside the garage. And at least one receptacle outlet shall be installed for each car space.
- 22.) 210.52(I) Residential foyers shall have receptacle(s) installed in each wall space of 3 ft or more in width.
- 23.) 210.64. New requirement for the installation of at least one 125-volt 15 or 20A rated receptacle outlet shall be installed within 50ft of the electrical service

equipment. (This is for indoor and outdoor equipment, with an exception for 1 & 2 Family dwellings).

24.) 210.8. The GFCI shall be installed in a readily accessible location.

25.) 250.121. An equipment grounding conductor shall not be used as a grounding electrode conductor.

26.) 250.53 (A) (2). A single rod, pipe or plate electrode shall be supplemented by an additional electrode.

27.) 310.15 (B) (7). 2 Feeders 1 or 2 family, multifamily dwellings shall be permitted to have an ampacity not less than 83% of the feeder rating.

28.) 314.15. Approve drainage opening not larger than 1/4 inch shall be permitted.

29.) 314.25. Covers and canopies must be machine screw type not drywall screws.

30.) 314.27. Where space switched conductors are in a ceiling mounted box shall be listed for sole support of a ceiling suspended paddle fan.

31.) 334.10, 1. Romex can be used in attached, detached, storage buildings.

32.) 334.40 (B). Non-metallic sheathed cable interconnector devices that are listed shall be permitted to be used without boxes for exposed cable wiring and for repair wiring in existing buildings where the cable is concealed. (An example is the TYCO tap/splice device for NM cable. It can now be used for the repair of existing cable and concealed.)

33.) 404.2 (C). A neutral conductor is required in the switch box.

34.) 406.3 (E). Controlled Receptacle Marking. Where non-interlocking 15 and 20A 125-volt receptacles are controlled by an automatic control device as part of an energy management or building automation system, these devices shall be marked with the symbol shown in figure 406.3 (E).

35.) 406.4 (D). All AFCI and GFCI must be readily accessible.

36.) 406.4 (D) (4). Outlet requiring AFCI protection shall be on of the following: 1) listed over current type 2) a receptacle protected 3) combination type, combination type uses parallel and series.

37.) 406.4 (D) (5). Tamper resistant receptacle is required when replacing a receptacle.

- 38.) 406.4 (D) (6). Weather resistant receptacle is required when replacing a receptacle.
- 39.) 406.12. Exception - Tamper resistant receptacle is not required if it's 5 1/2 feet above the floor.
- 40.) 410.16 (A). Surface mounted LED's are now allowed in clothes closets.
- 41.) 422.31 (C). Appliance motors 1/8 HP and larger must have a disconnect means and must be in sight of the appliance.
- 42.) 424.44 (G) GFI protection on heated floors.
- 43.) 424.66 (A) & (B). Working clearances are clearly defined here for duct heaters both below and in a space above the ceiling.
- 44.) 426.28 GFI protection on de-icing and snow melting equipment.
- 45.) 550.15 (H) Mobile, manufactured homes must have weather proof raceway.
- 46.) 680.21 (C). Outlets supplying pool pump motors connected to single-phase, 120 thru 240-volt branch circuits whether by receptacle or direct connection shall be provided with GFCI protection. (The limitation of 15 & 20A rated circuits has been removed).
- 47.) 680.25 (A) (1) exception. A feeder between a remote panel board and the service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly provided it includes an "insulated" equipment grounding conductor. (The term existing feeder has been removed. So a pool or hot tub being installed and fed from an existing sub panel will have to comply with the "insulated" equipment grounding conductor requirement).
- 48.) 300.4(E) A cable, raceway, or box shall be installed and supported not less than 1.5 in. from the lowest surface of the roof decking.
- 49.) 314.27 Where spare or separately switched conductors are provided to a ceiling-mounted box in a location acceptable for a ceiling paddle fan in a single or multi-family dwelling, the outlet box or outlet box system shall be listed for sole support of a ceiling-suspended paddle fan.
- 50.) 334.10(1) Type NM Cable shall be permitted to be used in one-and two-family dwelling attached or detached garages and storage buildings.

51.) 404.2(C) Where switches control lighting loads supplied by a grounded branch circuit, the grounded circuit (neutral) conductor shall be provided at the switch location.

52.) 406.4(D) 4, 5, & 6 Replacement receptacles installed in areas that require arc-fault circuit interrupter, tamper-resistant, or weather-resistant protection elsewhere in this code shall be so protected.

53.) 406.9(B)(1) In-use covers for receptacles installed in wet locations on an enclosure supported from grade require hooded covers of the "extra-duty" type.

54.) 406.13 & 14 Receptacles installed in guest rooms, guest suites, and child care facilities shall be listed tamper-resistant receptacles.

32.) 408.4(B) All switchboards and panel boards supplied by a feeder shall be marked to indicate the device or equipment where the power supply originates.

55.) 410.130(G) A disconnecting means shall be installed on existing luminaries at the time the ballast is replaced.

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