

**MAJOR CHANGES IN THE 2011 NATIONAL ELECTRICAL CODE NFPA - 70**

<b>no.</b>	<b>analysis of changes</b>	<b>nec section</b>	<b>summary of change</b>
1	Page 33	110.14	new general requirement added to 110.14 covering terminations fine stranded conductors.
2	Page 34 & 35	110.24	new requirement for marking of service equipment in non-dwelling applications with the maximum available fault current and the date in which it was calculated.
3	Page 43	200.4	New requirement for neutral conductors they are not permitted to be used for more than one branch circuit, for more than one multiwire branch circuit, for more than one set of ungrounded feeder conductors unless specifically permitted elsewhere in the code.
4	Page 46	210.8	New requirement for all GFCI devices to be readily accessible.
5	Page 47	210.8(A)(7)	Revised to include GFCI protection in all areas within 6' of any sink in dwelling applications
6	Page 50	210.8(B)(6)	New requirement for GFCI protection in indoor wet locations in non-dwelling applications.
7	page 51	210.8(B)(7)	New requirement for GFCI protection in locker rooms having associated shower facilities.
8	Page 52&53	210.8(B)(8)	New requirement for GFCI protection in garages, service bays and similar locations where electrical diagnostic equipment, hand-held tools or portable luminaries are used.
9	Page 58&59	210.12(B)	New requirement for AFCI protection where branch circuits are extended or modified.
10	Page 62	210.52(E)(3)	New requirement for all balconies, decks and porches regardless of sized required to have at least one receptacle outlet in dwelling applications.
11	Page 64	210.52(I)	New requirement for receptacle outlets in foyers in dwelling applications.
12	Page 68	225.27	New requirement for sealing raceways entering buildings from underground distribution systems.
13	Page 90	250.30(C)	New requirement for grounding electrode connection at outdoor sources of separately derived systems.
14	page 91&92	250.32(B)(1) Exception	Revised to clarify conditions under which grounded (neutral) conductor is permitted to service as ground-fault return path.
15	Page 91&92	250.32(B)(2)	New requirements covering buildings or structures supplied by separately derived systems.
16	Page 111	250.121	New requirement for prohibiting an equipment grounding conductor from also being used as a grounding electrode conductor.
17	page 118	300.4(E)	Revised to include boxes and installations that are concealed in metal corrugated roof systems and also revised to clarify how the measurements from the underside of the roof deck to the top of the cable or raceway are made.
18	Page 119	300.4(H)	New requirement for the use of a listed expansion/deflection fitting or other approved means when a raceway crosses a structural construction joint such as an expansion joint in building, bridges, parking garages or other structures.
19	Page 146	314.27(C)	New requirement added to mandate use of an outlet box or

			outlet box system listed for the sole support of a ceiling suspended (paddle) fan where spare switched undergrounded conductors are installed to ceiling outlets in locations acceptable for mounting a ceiling-suspended fan in single or multifamily dwellings.
20	Page 154 & 155	338.10(B)(4)(a)	Revised to delete reference to 334.80 and specify ampacity of SE cable installed in thermal insulation cannot exceed the 60C rating. Revision permits maximum conductor temperature rating to be used for ampacity adjustment and correction where the final ampacity does not exceed the 60C rating.
21	Page 175&176	404.2(C)	New requirement covering installation of a grounded conductor at all switch locations where lighting loads are controlled.
22	page 179&180	406.4(D)(4)	New requirements covering the replacement of a receptacle at locations where AFCI protection is required. Takes effect after January 1, 2014.
23	Page 181&182	406.4(D)(5)	New requirement covering replacement of a receptacle at a location where tamper resistant receptacles are required.
24	Page 187&188	406.12	Revised to specify requirement applies to "nonlocking" type receptacles and to add a new exception providing specific conditions under which receptacles are not required to be tamper resistant.
25	Page 189	406.13	New requirement for tamper resistant receptacles in guest rooms and guest suites in hotels and motels.
26	Page 190&191	406.14	New requirement for tamper resistant receptacles in child care facilities. New definition for child care facilities added to 406.2.
27	Page 193&194	408.4(B)	New requirement to mark power source origination on switchboards and panel boards that are supplied by a feeder in non-dwelling applications.
28	Page 199	410.16(A)	Revised to clearly permit surface mounted LED luminaires luminaires in clothes closets.
29	Page 201	410.130(g)(1)	Revised to require installation of disconnecting means when ballast is replaced in existing installed luminaires.
30	Page 233	450.14	New requirement for disconnecting means in sight of transformers except for Class 2 or 3 transformers.
31	Page 251&252	514.11(A)	Revised to identify all the types of circuits that are required to be disconnected and to change acceptable to approved in regards to other types of disconnecting means.
32	Page 346	680.73	New requirement added to cover location and position of supply receptacle(s) accessible only through surface opening or access panel.
33	Page 347&348	680.74	New requirement added to cover extending bonding conductor where double insulated circulating pump motors are installed.
34	Page 358&359	690.4(F)	New requirement covering routing of PV conductors inside of a building and in roof membranes.
35	Page (288&289) & (368&369)	694.4 through 694.85	New article with requirements covering installations of small wind electric systems. Individual generator limited to 100 KW or Less. Arrangement of requirement is similar to Article 692 for photovoltaic systems.
36	Page 315, 393, & 394	760.41	New requirement for disconnecting means and directory marking for fire alarm circuits which coordinate with NFPA 72.