

Errata

NFPA 70[®]

National Electrical Code[®] (Report on Proposals)

Proposed 2011 Edition

Reference: 4-263 (Log #4499) Panel Statement

The National Electrical Code Technical Correlating Committee notes the following error in the ROP on NFPA 70[®], *National Electrical Code*[®].

1. Proposal 4-263 on page 889 of the ROP has an incorrect panel statement. This proposal recommends a new Article 694. The published panel statement repeated the panel action. Shown below is the panel statement as it should have been published.

Panel Statement:

1. In the definitions, the term “battery” was replaced by “battery or other energy storage device” to allow new devices such as UltraCapacitors to be included.
2. The “Rated Power” definition was revised to recognize that maximum turbine power output can occur at wind speeds of less than 11 m/s.
3. The “Maximum Power” definition was revised – “peak instantaneous” was changed to “instantaneous”, “peak” being redundant.
4. The reference to “motor generators” was removed from 694.4(B) to eliminate ambiguity and because motor generators are not used in Small Wind Electric Systems.
5. 694.4(A) was changed to be the same as the language in 690 (indicating that one or more systems are permissible).
6. 694.4(B) was reworded to improve clarity.
7. The location requirement in 694.14(C)(5) (grouping) was moved to 694.14(C)(1) (location) and reworded to improve clarity.
8. The exception to 694.9 was changed to recognize that, unlike PV systems, wind turbine inverters may be designed to backfeed alternators for starting or speed control
9. 694.9(B) was changed to be the same as the new language being proposed for Article 690.
10. The allowance for the use of shorting plugs was moved from 694.16 to 694.15. Shorting switches were also included.
11. 694.31(B) was modified to permit use of flexible cables to allow “ready removal for maintenance and repair”, and 694.31(C) was added to mirror dc cable requirements for PV systems.
12. 694.63 was revised to improve clarity. Some of the justification text, including the definition of normal voltage ranges, was moved to an FPN.
13. 694.64 Section changed to refer to Article 705.
14. 694.71(G)(1) was removed as there is no corresponding section 694.41. This was residual text from 690.71.
15. 694.72(B)(2)(1) was changed from turbine to small wind electric system output to cover the more general case.

The panel revised the proposed language to comply with the NEC Style Manual:

16. Definitions were sorted in alphabetical order
17. Optional plurals “(s)” were replaced with normal plurals.
18. The where was changed to when in all cases not referring to location.
19. References to other standards were moved into FPNs.
20. References to entire articles were changed to refer to parts.
21. Small typographical errors were also corrected, and the part numbering was changed from 69x to 694 to reflect the proposed new article number.

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Reference: 16-212 (Log #4186) Committee Action

The National Electrical Code Technical Correlating Committee notes the following error in the ROP on NFPA 70[®], *National Electrical Code*[®].

1. Proposal 16-212 on page 1114 of the ROP has an incorrect committee action. The published committee action should be Reject. Shown below is the proposal with the committee action as it should have been published.

Report on Proposals – June 2010

NFPA 70

16-212 Log #4186 NEC-P16
(810)

Final Action: Reject

TCC Action: It was the action of the Technical Correlating Committee that a Task Group be formed including members from Code-Making Panels 5 and 16 to review and make recommendations on revising the use of the phrase “grounding conductor” and revising it to “grounding electrode conductor.”

Submitter: Paul Dobrowsky, Holley, NY

Recommendation: Replace the term "grounding conductor" with "grounding electrode conductor" throughout this Article.

Substantiation: The term "Grounding Conductor" is being proposed to be deleted because it is almost identical to the term "grounding electrode conductor". The defined term "grounding electrode conductor" includes the ability of connecting to a point on the grounding electrode system. This has been submitted as a single proposal to the Article instead of numerous proposals to allow the panel to ensure the resulting language still meets their intent in each specific section.

Panel Meeting Action: Reject

Panel Statement: See panel statement on Proposal 16-91.

Number Eligible to Vote: 16

Ballot Results: Affirmative: 15 Negative: 1

Explanation of Negative:

JANIKOWSKI, R.: I agree with the submitter that the term "grounding conductor" and "grounding electrode conductor" are all but identical. The term "grounding electrode conductor" will not be mistaken in the field for the grounded conductor and refers to any point on the grounding electrode system.

Comment on Affirmative:

BRUNSSSEN, J.: This is a correlation issue with Panel 5. Although the deletion of the term "grounding conductor" is appropriate for articles covered by Panel 5, the term is used over 120 times in Chapter 8 articles covering low power communications circuits and elsewhere in the code. The term "Grounding Conductor" has proven a useful and well understood term within the communications articles and a definition should be retained in Article 100. Substitution of "Grounding Conductor" with “Grounding Electrode Conductor” is not appropriate for all uses in Chapter 8 articles. The definition of “Grounding Conductor” could be modified to make it more specific to communications circuits as follows: **“Grounding Conductor.** A conductor used to connect communications equipment and cable shield, as required, to a grounding electrode system or grounding electrode(s).” This definition would meet the needs of Chapter 8.

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Reference: 16-293 (Log #4183) Committee Action

The National Electrical Code Technical Correlating Committee notes the following error in the ROP on NFPA 70[®], *National Electrical Code*[®].

1. Proposal 16-293 on page 1139 of the ROP has an incorrect committee action. The published committee action should be Reject. Shown below is the proposal with the committee action as it should have been published.

Report on Proposals – June 2010

NFPA 70

16-293 Log #4183 NEC-P16
(830)

Final Action: Reject

TCC Action: It was the action of the Technical Correlating Committee that a Task Group be formed including members from Code-Making Panels 5 and 16 to review and make recommendations on revising the use of the phrase “grounding conductor” and revising it to “grounding electrode conductor.”

Submitter: Paul Dobrowsky, Holley, NY

Recommendation: Replace the term "grounding conductor" with "grounding electrode conductor" throughout this Article.

Substantiation: The term "Grounding Conductor" is being proposed to be deleted because it is almost identical to the term "grounding electrode conductor". The defined term "grounding electrode conductor" includes the ability of connecting to a point on the grounding electrode system. This has been submitted as a single proposal to the Article instead of numerous proposals to allow the panel to ensure the resulting language still meets their intent in each specific section.

Panel Meeting Action: Reject

Panel Statement: See panel statement on Proposal 16-91.

Number Eligible to Vote: 16

Ballot Results: Affirmative: 15 Negative: 1

Explanation of Negative:

JANIKOWSKI, R.: I agree with the submitter that the term "grounding conductor" and "grounding electrode conductor" are all but identical. The term "grounding electrode conductor" will not be mistaken in the field for the grounded conductor and refers to any point on the grounding electrode system.

Comment on Affirmative:

BRUNSSSEN, J.: This is a correlation issue with Panel 5. Although the deletion of the term "grounding conductor" is appropriate for articles covered by Panel 5, the term is used over 120 times in Chapter 8 articles covering low power communications circuits and elsewhere in the code. The term "Grounding Conductor" has proven a useful and well understood term within the communications articles and a definition should be retained in Article 100. Substitution of "Grounding Conductor" with “Grounding Electrode Conductor” is not appropriate for all uses in Chapter 8 articles. The definition of “Grounding Conductor” could be modified to make it more specific to communications circuits as follows: **“Grounding Conductor.** A conductor used to connect communications equipment and cable shield, as required, to a grounding electrode system or grounding electrode(s).” This definition would meet the needs of Chapter 8.