

FORM FOR PROPOSAL FOR 2014 NATIONAL ELECTRICAL CODE®

INSTRUCTIONS — PLEASE READ CAREFULLY

Type or print **legibly** in **black ink**. Use a separate copy for each proposal. Limit each proposal to a **SINGLE** section. All proposals **must be received by NFPA by 5 p.m., EST, Friday, November 4, 2011**, to be considered for the 2014 National Electrical Code. Proposals received after 5:00 p.m., EST, Friday, November 4, 2011, will be returned to the submitter. If supplementary material (photographs, diagrams, reports, etc.) is included, you may be required to submit sufficient copies for all members and alternates of the technical committee.

For technical assistance, please call NFPA at 1-800-344-3555.

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Date 2 Nov 2011 Name John C. Wiles, Jr Tel. No. 575-646-6105
Company Southwest Technology Development Institute, New Mexico State University Email jwiles@nmsu.edu
Street Address 3705 RESEARCH DR/MSC 3 SOL City LAS CRUCES State NM Zip 88003

*****If you wish to receive a hard copy, a street address *MUST* be provided. Deliveries cannot be made to PO boxes.**

Please indicate organization represented (if any) PV INDUSTRY FORUM

1. Section/Paragraph 690.47(B)

2. Proposal Recommends (check one): ☒ new text ☐ revised text ☐ deleted text

3. Proposal (include proposed new or revised wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format; i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).]

Add a new third paragraph as follows:

Ungrounded DC PV arrays connected to utilization equipment with common ac and dc equipment-grounding terminals shall be permitted to have equipment-grounding requirements met by the ac equipment-grounding system without the requirement for a dc grounding electrode conductor or grounding system.

4. Statement of Problem and Substantiation for Proposal: (Note: State the problem that would be resolved by your recommendation; give the specific reason for your Proposal, including copies of tests, research papers, fire experience, etc. If more than 200 words, it may be abstracted for publication.)

The first paragraph of 690.47(B), as currently written, applies to stand-alone ungrounded DC PV systems where a new grounding electrode and grounding electrode conductor are required. There is no requirement directly addressing the ungrounded PV array connected to a utility-interactive inverter as allowed by 690.35.

The great majority of ungrounded PV arrays will be connected to utility-interactive inverters and those inverters have common ac and dc equipment-grounding terminals. The PV array dc equipment-grounding conductors, when connected to such inverters, have the array dc equipment grounding conductors connected to earth through the ac equipment grounding system and the existing ac grounding system. Additional grounding electrodes and grounding electrode conductors are not required, but may be used.

5. Copyright Assignment

- (a) ☒ I am the author of the text or other material (such as illustrations, graphs) proposed in the Proposal.
- (b) ☐ Some or all of the text or other material proposed in this Proposal was not authored by me. Its source is as follows: (please identify which material and provide complete information on its source)

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Signature (Required)



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