FORM FOR COMMENT FOR 2014 NATIONAL ELECTRICAL CODE®

INSTRUCTIONS — PLEASE READ CAREFULLY

Type or print **legibly**. Use a separate copy for each comment. Limit each comment to a **SINGLE** section. All comments **must be received by NFPA by 5 p.m., EDST, Wednesday, October 17, 2012**, to be considered for the 2014 National Electrical Code. Comments received after 5:00 p.m., EDST, Wednesday, October 17, 2012, will be returned to the submitter.

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

FOR OFFICE USE ONLY

Log #:

Date Rec'd:

Please indicate in which format you wish to receive your ROP/ROC ☒ **electronic** ☐ **paper** ☐ **download**
(Note: If choosing the download option, you must view the ROP/ROC from our website; no copy will be sent to you.)

Date 15 OCT 2012 **Name** JOHN C. WILES, JR. **Tel. No.** 575-646-6105

Company SOUTHWEST TECHNOLOGY DEVELOPMENT INSTITUTE/NMSU **Email** jwiles@nmsu.edu

Street Address 3705 RESEARCH DRIVE **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 690.9(C)

2. Comment on Proposal No. (from ROP): 4-232a

3. Comment recommends (check one): ☐ new text ☒ revised text ☐ deleted text

4. Comment (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~~).

Change the proposed text as follows

(C) Direct-Current Rating. Overcurrent devices, either fuses or circuit breakers, used in PV dc source and PV dc output circuits ~~any dc portion of a PV power system~~ shall be listed for use in PV systems and shall have the appropriate voltage, current, and interrupt ratings.

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

PV systems, both stand-alone (off grid) and multimode systems (utility-interactive with battery backup) may employ dc circuits that include batteries. Any overcurrent device that is listed for use with direct currents and that has the proper ratings will work effectively and safely in the dc battery circuits.
Only the unique PV module sourced PV source and PV output circuits (defined in 690.2) have electrical characteristics that require overcurrent devices specifically listed for PV applications.

6. Copyright Assignment

(a) X I am the author of the text or other material (such as illustrations, graphs) proposed in the Comment.

(b) ☐ Some or all of the text or other material proposed in this Comment was not authored by me. Its source is as follows: (please identify which material and provide complete information on its source)

I hereby grant and assign to the NFPA all and full rights in copyright in this Comment and understand that I acquire no rights in any publication of NFPA in which this Comment in this or another similar or analogous form is used. Except to the extent that I do not have authority to make an assignment in materials that I have identified in (b) above, I hereby warrant that I am the author of this Comment and that I have full power and authority to enter into this assignment.

Signature (Required) John C. Wiles, Jr.

PLEASE USE SEPARATE FORM FOR EACH COMMENT

Mail to: Secretary, Standards Council · National Fire Protection Association
1 Batterymarch Park · Quincy, MA 02169-7471 OR