

# 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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Please indicate organization represented (if any) PV INDUSTRY FORUM

1. Section/Paragraph 690.17 EX

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~~).]

Revise 690.17 EX as follows: Renumber the existing exception as 1, revise as shown, and add the following new Exception 2.

*Exception 1: A connector shall be permitted to be used as an ac or dc disconnecting means, provided that it is listed and identified for the use with a specific piece of equipment and complies with the requirements of 690.33. ~~and is listed and identified for the use~~*

*Exception 2: A power-operated switch or circuit breaker shall be permitted provided it can be manually operated in the event of a power failure.*

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.)

Exception 1 is slightly reorganized and places the emphases that the connector being used as a disconnect must be listed with a specific piece of equipment. These connectors are generally only recognized components in most applications—except when listed as meeting the particular application requirements of a specific piece of equipment like a microinverter or an ac PV module.

EX 2. New PV systems are becoming increasingly complex with multiple inverters, multiple PV arrays with varying locations of equipment, in and outside of buildings. Flexibility in the location of the manually operated PV dc disconnecting means is limited. A remote controlled disconnecting means, will increase flexibility, increase safety and may meet increased safety concerns for first responders.

While the location of the main PV disconnect is still established by other *NEC* requirements, the permissive use of as remote, power operated disconnect will allow that disconnecting means to be activated, or deactivated from one or more locations, and the control in each location may meet varying requirements. A utility may dictate control from near the revenue meter for the building. A fire department may require a control near the service disconnect. A maintenance person, may require control from a roof top location.

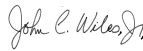
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