FORM FOR PROPOSAL FOR 2014 NATIONAL ELECTRICAL CODE®

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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.

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Please indicate organization represented (if any) PV INDUSTRY FORUM

1. Section/Paragraph 690.2 STAND-ALONE INVERTER

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 the following new definition to 690.2

Stand-Alone Inverter: Equipment that is used to change voltage level or waveform, or both, of electrical energy. Commonly, a stand-alone inverter is a device that changes dc input to an ac output and is able to change output power in response to the loads placed on the system. Stand-alone inverters may also use alternating current from another source and convert it into direct current for charging energy storage devices. Stand-alone inverters are not dependent on having an outside source, such as a utility connection, for an AC reference. The AC output terminals can be energized anytime the stand-alone inverter is in operation.

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.)

This more specific definition is needed to define how the stand-alone inverter operates in order to clarify some of the connection and critical safety requirements in this article.

This definition needs to be in both Article 690 and Article 705 because this equipment can interface with other equipment covered by requirements in both articles.

See proposals for related definitions for utility-interactive inverter and multimode inverter.

5. Copyright Assignment

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(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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