

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.

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 705.22(6)

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~~).]

Delete 705.22(6).

705.22 Disconnect Device.

The disconnecting means for ungrounded conductors shall consist of a manually or power operable switch(es) or circuit breaker(s) with the following features:

- (1) Located where readily accessible
 - (2) Externally operable without exposing the operator to contact with live parts and, if power operable, of a type that could be opened by hand in the event of a power-supply failure
 - (3) Plainly indicating whether in the open (off) or closed (on) position
 - (4) Having ratings not less than the load to be carried and the fault current to be interrupted.
- For disconnect equipment energized from both sides, a marking shall be provided to indicate that all contacts of the disconnect equipment might be energized.

FPN No. 1 to (4): In parallel generation systems, some equipment, including knife blade switches and fuses, is likely to be energized from both directions. See 240.40.

FPN No. 2 to (4): Interconnection to an off-premises primary source could require a visibly verifiable disconnecting device.

- (5) Simultaneous disconnect of all ungrounded conductors of the circuit
- ~~(6) Capable of being locked in the open (off) position~~

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 lockable disconnect requirement is a utility requirement imposed by some, but not all utilities. There is no safety reason that would require a lockable disconnect requirement in the *NEC* for utility interconnected systems. Most utility-interactive inverters below about 50 kW use circuit breakers for the required disconnecting means.

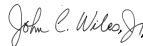
Lock-out and tag-out procedures are not commonly used in residential and commercial electrical systems and, if needed, lockout devices can be added to the switchgear as required.

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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