

# NFPA 70E Update

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**EEI Safety and Health Meeting  
April 2008**

# NFPA Acronyms

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- ◆ **TC: Technical Committee**
- ◆ **TCC: Technical Correlating Committee**
- ◆ **ROP: Report on Proposals**
- ◆ **ROC: Report on Comments**
- ◆ **NITMAM: Notice of Intent to Make a Motion**

# 2009 NFPA 70E Revision Cycle

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<b>Public proposals due</b>	<b>Sept. 15, 2006</b>
<b>TC ROP Mtg.</b>	<b>Jan 16-20, 2007</b>
<b>Balloting</b>	<b>Feb to March 2007</b>
<b>TCC Review</b>	<b>April, 2007</b>
<b>ROP Published</b>	<b>June 22, 2007</b>
<b>Comments Due</b>	<b>August 31, 2007</b>
<b>TC ROC Meeting</b>	<b>October 1, 2007</b>
<b>TCC Review</b>	<b>Dec 2007</b>
<b>ROC Published</b>	<b>Feb 22, 2008</b>
<b>NITMAMs due/ posted</b>	<b>April 4, 2008/ May 4, 2008</b>
<b>Association Meeting</b>	<b>June, 2008</b>
<b>2009 70E Published</b>	<b>Oct 1, 2008</b>

Many received!!!

# NFPA 70E Representatives

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- ◆ EEI Representatives to the TC:
  - Kathleen Wilmer, Duke Energy (Principal)
  - John Boothroyd, Entergy (Alternate)
- EEI Representatives to the NEC TCC:
  - John Troglia, EEI Codes Consultant (Principal)
  - Neil LaBrake, Jr., National Grid (Alternate)
- EEI Staff Liaison
  - Chuck Kelly

# Major 2008 NFPA 70E Issues of Utility Interest

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- ◆ **Scope Issue:**

Standard Scope – 90.1(B) Not Covered:

(3) railways.....

(4) communication utilities.....

(5) electric utilities.....

- ◆ **Multiple proposals were received to delete these sections.**

# Impact of Losing Not Covered Status

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- ◆ **Work practices from 2004 70E:**
  - ❑ **Restricts ability to work on energized conductors.**
  - ❑ **LOTO – Locks required; no Tags Plus.**
  - ❑ **Written permit for energized work. Multiple management signatures.**
  - ❑ **Flash protection requirements significantly exceed NESC 410A3 rule.**
    - More specific requirements.
    - NESC discusses “clothing” only.
    - No 1000V exemption.
    - No exemption for heat stress, other hazards.
    - “Simplified table” don’t describe T&D activities well. Defaults to high risk categories.

# Actions on Retaining Scope Exclusion

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- ◆ **Exclusions deleted in initial TC balloting. Reversed in next ballot.**
- ◆ **July TCC Task Group Meeting**
  - ◆ EEI argued that Scope was not under jurisdiction of the Technical Committee.
  - ◆ TCC agreed, sent letter to 70E chair with direction on handling Scope issues.
- ◆ **Action at October TC Meeting:**
  - ◆ Scope exclusions retained
  - ◆ 180+ comments received (EEI, munis, coops)

# TCC December 2007 Actions

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- ◆ Task Group to address concerns of Committee scope conflicts between the NEC and 70E and “broadening the 70E Committee scope, if need be, for the next 70E cycle.”

# Major Changes in 70E-2009

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- ◆ **Field Labeling Requirement**
  - ◆ **New Section 130.3(C)**
  - ◆ **“Equipment Labeling. Equipment shall be field marked with a label containing the available incident energy or required level of PPE”.**
  - ◆ **Reaffirmed by 17-8 vote – barely passed.**
  - ◆ **NEMA expected to file NITMAM. EEI will support.**

# Major Changes

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- ◆ **Chapter 4, Installations, Removed**
  - ◆ OSHA just revised Subpart S, Part 1. Did not need 70E Installation chapter.
  - ◆ 70E now just a work practice standard.
  - ◆ Long term impact on Scope issue?
  - ◆ Expect this to contribute to efforts to remove utility exclusion in 2012.

# Other Changes

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- ◆ **More specificity overall**
- ◆ **Mandatory updating of flash hazard analysis every 5 years and upon major renovation.**
- ◆ **Changes to tables**
  - ◆ Deleted Notes 3&6 from Table (C )9a. The notes permitted an “automatic” reduction of one HRC number for lower short circuit currents.
  - ◆ Deleted -1 category from Table 130.7(C )(10)
- ◆ **Can layer FR over cotton but not to get higher rating**
- ◆ **Hearing protection HRC 0 and up**
- ◆ **Requires the use of leather gloves for HRC1 tasks.**

# More changes

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- ◆ **Leather gloves required for HRC1**
- ◆ **Arc rated balaclava plus faceshield allowed for HRC2\* instead of flash hood.**
- ◆ **Word and phrase changes in many places.**
- ◆ **Requires face shield or flash hood for HRC1 tasks with a minimum arc rating of 4 cal/cm<sup>2</sup>.**

# Next Actions

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- ◆ NITMAMs filed April 4, 2008.
- ◆ NFPA Annual Meeting in June 2008 will have the revised 70E on the agenda for adoption. NITMAMs will be processed.
- ◆ Publication October 2008.
- ◆ Effective January 2009.
- ◆ Long term – Neil LaBrake working with TCC Task Group on Scope prior to next cycle (2010).