

NESC Update October 2008

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Code Cycle

- **Current edition is 2007 – next revision is scheduled for 2012**
- **Timeline**
 - July 17, 2008 - Change Proposals were due
 - Sept/Oct 2008 – Change Proposals Considered by NESC Committees
 - Sept 1, 2009 - Preprint of proposed Code and committee action on CP's
 - Sept 1, 2009 – Public Comment Period begins
 - May 1, 2010 – Public Comment Period ends
 - Sept/Oct 2010 - NESC Committees review public comments and final vote
 - Jan 15, 2011 – Proposed Code submitted to ANSI for public review
 - May 15, 2011 – Approved Code submitted to ANSI for recognition as a standard
 - Aug 1, 2011 – Publication of 2012 NESC

2012 NESC Change Proposals

- 60 proposed changes for 2012 NESC Work rules
- 3 Working Groups
 - Editorial Committee
 - Low Voltage Arc Flash
 - Generation Review

Subcommittee Action – Sept 2008

▪ 60 Total CP's

- 27 rejected (45%)
- 14 Accepted or Accepted as modified (12 – SEE, 1 - EEI) (23%)
- 1 referred to Extended Reach Working Group
- 8 referred to Grounding Working Group
- 2 referred to Low Voltage Arc Flash Working Group (1 – SEE, 1 - EEI)
- 1 referred to Mechanical Equipment Working Group
- 7 tabled to December meeting pending ballot of IEEE 516 (1 – SEE)

Areas to Watch

▪ Minimum Approach

- IEEE 516 is out for ballot – numbers in NESC will change....again....question is to what?
- OSHA plans to open Subpart V/1910.269 for public comment on minimum approach this fall

▪ Grounding

- Equipotential zone (pole bands)
- Requirements for touch and step potential (clear zone around ground rods and structures, conductive mats and rubber gloves)

Areas to Watch

- **Mechanized Equipment**

- Similar to OSHA language
- May require grounding, barricading or conductive mats

- **Low Voltage Arc Flash**

- Working group plans to have a proposal ready by December
- Proposal will eliminate the 4 cal exemption and replace it with a requirement to perform assessments or use a Table
- Table developed from PGE testing, AEP testing, industry experience and IEEE 1584

Latest Draft

Table 410-1: Clothing and Clothing Systems (per cm²) for voltages 50 to 1000 V (AC)
(See Rule 410A.3.)

Equipment Type	<i>Nominal Voltage Range</i>		
	<i>50 – 250 V</i>	<i>251 – 500 V</i>	<i>501 – 1000 V⁸</i>
Self-contained Metering	4 calories ¹	20 calories ²	30 calories
CT Metering	4 calories ¹	4 calories ³	6 calories
Metal-clad Switchgear / Motor Control Centers / Panel Boards	4 calories ⁴ 8 calories ⁵	40 calories ⁶	60 calories
Pad-mounted / Pedestal-mounted Equipment	4 calories ¹	4 calories ¹	6 calories
Open Air (includes lines)	4 calories ¹	4 calories ¹	6 calories
Network Systems	40 calories ⁷	40 calories ⁷	60 calories

Questions?

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