

**NFPA 70E Proposals
for the ROP Meeting
January 16-20, 2007**

**Proposals 70E- 313
through
Proposal 70E-426**

Part 3 of 5

70E-313 Log #10 EEW-AAA
(Table 130.7(C)(9)(a))

Final Action:

Submitter: David Hatton, D.R. Hatton Electric

Recommendation: Revise as follows:

Other 600 V Class (277V through 600V, nominal) Equipment: ~~Application of safety grounds, after voltage testing 2*~~ Y
N

Substantiation: Duplication of task identifications within this section. 4th task - in this section of table is listed again, as the last (9th task) in this section. All the requirements for hazard/risk category, v-rated gloves, v-rated tools matches in both the 4th and the 9th tasks.

70E-314 Log #12 EEW-AAA
(Table 130.7(C)(9)(a))

Final Action:

Submitter: David Hatton, D.R. Hatton Electric

Recommendation: Revise as follows:

Other 600 V Class (277 through 600V, nominal) Equipment: ~~“Work on energized parts, including voltage testing 2” Y~~
~~Y.”~~

Substantiation: Duplication of text contained within the same section of this table. Third item matches the eight item word for word.

70E-315 Log #13
(Table 130.7(C)(9)(a))

Final Action:

Submitter: Carl Marcinkowski, Applied Standards LLC

Recommendation: New text to read as follows:

inspection of energized parts with covers off, including photography, infrared thermography or other noncontact method.

Substantiation: These inspection methods as well as visual inspection are not listed in the table, thus the selection of PPE is determined by arc flash analysis. The task is relatively safe as a qualified person(s) will open or remove the covers and the inspector does not enter the plane of the enclosure door. I'd propose reducing the hazard/risk category in line with the task of "opening hinged covers..."

70E-316 Log #16
(Table 130.7(C)(9)(a))

Final Action:

Submitter: Conrad St. Pierre, Electric Power consultants, LLC

Recommendation: Revise Table as follows:
(sample using NEMA E2 motor starter)

Task	Hazard/Risk Category
Work on energized parts, including voltage testing	3 4
Removal of bolted covers (to expose bare, energized parts)	4

****Insert Table here 130.7(C)(9)(a) Here****

Substantiation: There are a number of places in Table 130.7(C)(9)(a) where the risk class for " Work on energized parts, including voltage testing" is lower than some other tasks for the same equipment. To me this does not appear logical. I would expect that working on the energized bare bus would be the highest PPE or equal to the highest PPE of any of the other tasks. In the case of NEMA E2 motor starter it is hard for me to believe that "Removal of bolted covers (to expose bare, energized parts)" would carry a higher PPE than " Work on energized parts, including voltage testing". The same lower " Work on energized parts, including voltage testing" risk class PPE occurs under "600V Class MCC's", and "600V Switchgear".

1. Table would better serve the user if it had both instantaneous and time delay trips.
2. Including the three main equipment rating in the table prevent the overlooking of the footnotes at the end of the table.
3. Use equipment rating rather than fault level. If the user is using this table he/she does not know the fault level in the first place. They should however be able to obtain the equipment rating. Assuming the fault level is not over the equipment rating, equipment rating may be a better guide.
4. Providing values for several equipment ranges should allow the NFPA table look up to be closer to the IEEE-1584 PPE selection when Table 130.7(C) (10) is used.

