

NFPA 70E Proposal Group



Article 100 Changes



∞ Definitions:

∞ Limited approach boundary- “ an approach limit at a distance from an exposed energized electrical conductor or circuit part within which a shock hazard exists for an unqualified worker” (EFCOG 1)

∞ Add definition for “safe approach distance for qualified/unqualified workers using information from annex C.1.1 and C.1.2 (EFCOG 2)

Article 100 Changes



- ∞ Add FPN under shock hazard to define hazardous vs. non-hazardous per IEEE 100 (Jackie), Ray will also talk with Dr Morris (EFCOG 3)
- ∞ Add definition for Authorized (Gary B). Verify consistency with definition in 320.2 (EFCOG 4)
- ∞ Modify title of table 130.2(C) to read 130.2(C)(1) (EFCOG 5)
- ∞ Add 130.2(C)(2) EFCOG DC shock approach boundary table (EFCOG 6)

Article 100 Changes

- ∞ 130.7(E)2 Barricades shall be used in conjunction with safety signs where it is necessary to prevent or limit employee access to work areas containing energized conductors or circuit parts. Conductive barricades shall not be used where it might cause an electrical hazard. Barricades shall be placed no closer than the limited approach boundary in table 130.2(C) or the arc flash protection boundary, whichever is greater. (EFCOG 20)

Article 100 Changes



- ∞ Better define: (EFCOG 21)
 - ∞ Arc
 - ∞ Arc flash hazard
 - ∞ Arc flash

Or use “Arc blast”

Article 320 Re-Write



- ⌘ 320.1 Change scope to remove 650 volt ceiling
(EFCOG 7)
- ⌘ Modifications: (EFCOG 8)
 - ⌘ Delete construction requirements
 - ⌘ Delete definitions
 - ⌘ Add UPS section
 - ⌘ Add Maintenance section
 - ⌘ Add decommission section

Article 320 Re-Write

∞ Add section for Hazards (EFCOG 9)

∞ Thresholds for:

∞ Burns

∞ Shock

∞ Arc

Article 320 Changes



- ∞ 320.7(f) signage format to meet the intent (EFCOG 10)
- ∞ 320.8(2) PPE (EFCOG 11)
 - ∞ Voltage rated gloves when > 100 volts
- ∞ 320.9 tools and equipment (EFCOG 12)
 - ∞ Add exception “non-sparking tools are not required when air monitoring has verified that Hydrogen content is less than 1%

Keith Schuh is looking for additional input for
article 320

Article 340 Changes



- ∞ Use Gordon's substantiation to re-write (as necessary)
article 340.5(2-7) (EFCOG 13)

Article 350 Changes



- ∞ 350.6 add FPN to define Field evaluation (Durnan) (EFCOG 14)
- ∞ Add definition of “approval” (Chris M) (EFCOG 15)
- ∞ Add 350.7 personel and other protective equipment (EFCOG 16)
 - ∞ A. ground hooks
 - ∞ Proficiency/training
 - ∞ Care
 - ∞ Inspection
 - ∞ characteristics
 - ∞ B. Drain wire

Article 350 Changes



∞ Add 350.8 Establishing a zero energy state

∞ A zero energy energy state is established
when...(Gordon) (EFCOG 17)

∞ Add 350.9

∞ Get with Keith Schuh using the HB DC Work Scenario
table to add data here. (EFCOG 18)

Article 360 Proposal



- ∞ Possible proposal of new chapter on PV systems
(EFCOG 19)