

Working Group #2 DOE Electrical Safety Handbook

Subgroup on Assessing Electrical Hazards Chapter Subgroup looked at the result from last year and the current LANL version which includes some additional information. Considerable effort was put into blending these documents to keep the best of both. Current draft is near ready to re-distribute to the conference attendees.

The full Working Group will continue to work on Chapter 9 and 10 over the next couple of weeks. Some information in the Electrical Hazards Chapter have been judged to be better housed in Chapter 10 (e.g. non-electrical hazards for batteries).

Electrical Equipment Inspection and Approval, DOE Handbook Chapter 13(?)

- Clean up of language, definitions, etc.
 - Consistent with other standards
- Add re-evaluation to scope for equip. changes
- Prototype equipment safety responsibility clarified (Scope)
- Do inspectors have a “need to know” for classified equipment – if not, train the appropriate personnel! (Scope)
- Clarification of definition of “reputable manufacturer” (Definitions)
 - Consistent w/ American Council for Electrical Safety documentation
 - Added AHJ in vendor determination

- Added examples to inspection requirements (Section 1)
- Expanded suggested testing scope consistent w/ ACES (Section 1.1)
- Added internal inspection-exempt equipment to Section 1.3
- Refined system inspection definition and requirements (Section 1.5)
 - Included to avoid possible loophole of identifying large “systems” and thus exempt individual equipment inspections. Left at the discretion of AHJ to maintain original intent.

- Labeling requirements expanded to include “APPROVED” (Section 3)
- Required dangerous equipment removal from service and tagging consistent with OSHA (Section 3)
- Added “Transfer” to Section 4 to allow receiving AHJ to recognize source inspection and approval
- Label removal for salvage equip. eliminated to permit return to service if condition acceptable (Section 4.1)
- Approved equipment used off-site doesn't lose approval (Section 4.1)
- Concerns about legality of subcontract and rental equipment approval process (Sections 4.2 & 4.4)

Plan forward –

Perry will email current draft to subcommittee members this evening.

Subgroup members will reply back to Perry with comments by COB on Friday, July 27, 2007.

Perry will fold in comments and send out draft again by COB on Friday, August 3, 2007.

Final responses to be sent to Perry by COB on Friday, August 24, 2007.

Document to submit to full conference submitted to ??? Lloyd or Bobby??? by COB Friday, August 31.

Technical writer to review Equipment Inspection document by August 24, 2007

Workgroup 5 to provide NFPA-70E comments to Workgroup 2 by August 15, 2007

Submit supporting comments to NFPA by August 31, 2007

Chapters 9 and 10 –

The full working group needs continue review of Chapter 9 and 10. Perry will email proposed topics for inclusion by COB of July 27, 2007. Plan is to collect comments from committee members on changes to 9 and 10 by COB, August 24, 2007. Folded comments to be emailed out by August 31, 2007. Submit document to full committee by end of 2nd week in September.