

**EFCOG Electrical Safety
Teleconference Meeting Minutes
May 9, 2007
Submitted by Jackie McAlhaney**

Attendees

Lloyd Gordon
Bill Baptist
Pat Tran
Brad Davey, DOE
Joe Kilar
Chip Barnhardt
Ray Hamm
Ed Laner
Paul Chapman

Randy Unger
Jim Luhring
Jackie McAlhaney
Gary Dreifurst
Greg Christensen
Mike Bird
Dan Guzy
Scott Glimore
Russ Harwood

YT Wang
John DiNicola
Clyde Saunders
Perry Anthony
Bill Pollard, NTS
Carl Haller
Glenn Morton, SRS

Discussion

Lloyd Gordon chaired the teleconference call and began by discussing the recent EFCOG meeting in Atlanta. Lloyd indicated that the meeting was very productive. About 20 personnel attended the meeting. Topics discussed at the Atlanta meeting included the summer workshop, subsurface penetrations, Electrical Safety Center of Excellence, DOE Electrical Safety Handbook and training for electrical and non-electrical worker.

Lloyd indicated that one of the more important EFCOG initiatives this year is a revision to the Handbook. He indicated that three of the workshop breakout sessions in Albuquerque will be used to facilitate the revision of the Handbook. One breakout session will be led by Bobby Gray and will review Chapters 1-8 of the Handbook to bring the referenced code and standard information up to date. Another session will be led by Lloyd and will review Chapters 9 and 10 on R&D electrical safety and the new material on equipment approval and classification that was developed last year at the R&D workshop. A third workshop session will be led by Scott Gilmore to identify new material for the Handbook but will not be included in this revision.

Lloyd indicated that a revised scope statement for the Handbook was developed and accepted at the Atlanta meeting. The proposed purpose of the Handbook is to provide guidance to the DOE community towards reduction or elimination of electrical incidents. The current schedule is to provide a revised copy of Handbook to DOE by mid September to place into the RevCom process.

Pat Tran, DOE HQ, emphasized that we should not solicit new material for this revision of the Handbook.

Lloyd mentioned that 4 other breakout sessions are planned for the summer workshop but may be reduced to 3 depending on number of attendees. The other breakout sessions include 1) review of the current 70E proposal (Bryan Drennan to lead), 2) Engineering solutions for reduce personnel electrical safety hazards (Bill Reed to lead), 3) Electrical Safety Center of Excellence planning (Paul Chapman to lead), and 4) Applying 70E to R&D applications (Keith Gershon to lead).

Jackie mentioned that the workshop registration page should be up by mid May so that folks can register and reminded everyone that a link to the registration page can be found on the EFCOG home page. Jackie also mentioned that two days of the meeting will be technical presentations including key speakers from NFPA, UL and ArcWear.

Bill Baptist asked if best practices will be included in the Handbook. Lloyd responded that we will use the EFCOG website and the Center of Excellence website (when developed) to issue our best practices.

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Lloyd discussed the Electrical Safety Center of Excellence (COE) that has been proposed by NNSA. Lloyd indicated that LANL had provided some seed funding to begin this effort. Lloyd expects the COE to consist of a website (best practices, videos, lessons learned, etc), and a location in Albuquerque supported with electrical hands-on demonstration equipment, demos of electrical PPE and emerging electrical safety technology and training modules that can be shared among the complex.

Jackie discussed the EFCOG training initiative and indicated that the team is continuing to identify training modules for both the electrical and non-electrical worker to supplement the modules that were completed last year. Jackie requested that anyone that has training material that can be shared with others to provide him a copy to include on the website. Jackie also mentioned that his team will be working with the National Training Center to provide them a proposal for hands-on electrical safety training that could be used in a traveling road show.

Greg Christiansen discussed the Electrical Severity Measurement tool and indicated that Mike Hicks had met with Jeannie Boyle, DOE HQ, and provided her a copy of the tool with proposed changes to the ORPS criteria. Jeannie has agreed to put the tool into a DOE guide document for use within the complex. Lloyd mentioned that Ray Blowitski and Don Harvey attended the EFCOG meeting in Atlanta and supported the use of the tool.

Greg also discussed the progress of his EFCOG team for subsurface detection improvements. Greg stated that his team is reviewing penetration events dated back to January 06 and will present findings and recommendations from this review at the summer workshop.

Randy Unger provided a presentation on Electrical Design for Vital Safety Systems in Atlanta and would be developing an outline for a new section for the Handbook. He indicated that he will be working with Jackie McAlhaney and Dave Mills to develop guidance for this initiative.

Paul Chapman mentioned that he is leading a team to investigate conflicting hazards in electrical personal protective clothing and will be looking at how we specify and decide on electrical PPE in clean rooms and radiological areas.

Scott Gilmore mentioned Bobby Gray is leading an EFCOG team to provide a software package for the work planner that will facilitate and automate the electrical hazard identification process and controls.

Jackie mentioned that Bobby Gray presented some slides at the Atlanta meeting that indicated improving electrical safety trends within the DOE complex.

Scott noted that Bobby Gray recommended in the Atlanta meeting that DOE should partner with the NFPA to recommend that code panels be provided for NFPA 70E like that currently used for the NEC. The panels would provide DOE with additional opportunity to have a voice and provide expertise on the 70E committee. Scott reported that Ray Blowitski was willing to take this idea forward to DOE.

Perry Anthony indicated that he is continuing to develop a white paper for GFCI testing program and requested all to send him copy of their testing program.

Scott commented that the April monthly summary of electrical safety events was recently issued by Dan Guzy.