Attendees:

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| Richard Waters - INL | Joe Kilar - ANL |
| Todd Kujawa - JLAB | Stephanie Collins - LBNL |
| Mike Hicks – ID-DOE | Milkie Tega - |
| Trang Ha - | Gary Dreifuerst – LLNL (Retired) |
| Richard Waters - INL | Mark Scott – LBNL |
| Lucille Roybal - SNL |  |
| Mark McNellis - SNL | Moriah Ferullo – DOE HQ |
| Kim Gwinn – FRIB/NSCL |  |
| Scot Winningham - |  |
| Jackie McAlhaney – SRS (Retired) |  |
| Rich Green - LLNL |  |
| Andrew Olsen - Hanford |  |
| Lloyd Gordon - LANL |  |
| Frank Perrotta - ANL |  |
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**Agenda for ESTG February 15, 2017**

**Welcome – Richard Waters**

Review January 30th Workshop Planning Meeting

* Address any additional issues or concerns – Andrew Olsen/Jennifer Martin
* New Working group
  + Training
    - Leaders - Lloyd Gordon/Andrew Olsen

Current Working Group updates (As Needed)

DC – Gary Dreifuerst / Kyle Carr

HEC – Stephanie Collins / Dave Lipinski

Subcontractor Electrical Safety Management – Jim Watson / Dave Inskeep

DOE Electrical Safety Handbook - Lloyd Gordon / Mike Hicks

NFPA 70E Risk Assessment – Greg Christensen / Jennifer Martin

Recent Events from around the complex - ALL

Roundtable – ALL

Reminder: All attendees to email [Jennifer\_L\_Martin@rl.gov](mailto:Jennifer_L_Martin@rl.gov) to record attendance on the ESTG conference call.

9:00am

Richard Waters: IEEE EFCOG Winter meeting had an attendance of 27. Great meeting a lot was accomplished at the workshop. Agenda will be sent out on a monthly basis provided prior to the meeting. There will be items that remain on the agenda monthly. As we progress on the working groups current updates will be an item for discussion. Working group leads will be called upon for the updates regarding deliverables, best practices and general status. If there is a particular item that you would like to discuss during the conference call please send an email to either Richard Waters, Dave Mertz or Jennifer Martin to add to the an item for discussion regarding a concern or special topic to share with the EFCOG ESTG and we can incorporate for the upcoming call.

Summer Workshop Planning – Andrew Olsen

At the winter meeting the group had the opportunity to share the current status of the planning for our summer workshop. The goal has been to utilize the EFCOG website to set up a process for registration and overall information regarding the upcoming event. The process when finished will be a duplicatable and available for all EFCOG ESTG events in the future eliminating the investment to individual sites hosting the workshops. Currently the website is setup as a “test” and does not allow for completion of registration at this time. Plan to launch the official registration information is anticipated for March 6th. Descriptions of working groups added to inspire participation, selection of one working group will be noted for each attendee. This will allow for proper sizing of breakout room and materials available for each breakout group. The consensus of the group while planning the schedule of events that will take place during the summer workshop decided that the opening and plenary sessions will begin on Monday as usual, utilizing all of Tuesday and Wednesday for our working group breakout sessions. Resuming Thursday with guest speaker Hugh Hoagland , working group progressions, and closing session; followed by site tours on Friday. Tours must be registered to attend, The PNNL tour will require a HSPD-12 Badge or visitors badge with escort.

Action - Working group leaders send expected deliverables and best practices to be completed at the summer workshop to Andrew Olsen. [Andrew\_M\_Olsen@rl.gov](mailto:Andrew_M_Olsen@rl.gov)

Action- Richard Waters reach out to Dennis Neitzel. Possible speaker for the workshop for Thursday. Confirm attendance.

Action: Greg Christiansen A formal invitation needs to be sent to Dennis Neitzel so that his costs may be covered by his company to join summer workshop.

Action – Lloyd Gordon reach out to Stan Berry. Possible speaker for the workshop for Thursday. Confirm attendance.

Current Working Group Updates – Richard Waters

We dropped the Electrical Safety Handbook off of the working groups for the workshop due to a large commitment the group felt as though it required more time than what will be available at the workshop. This will be an ongoing project. A group has volunteered to continue to tackle this task as it is coming up on the 5 year review and SME input is vital from the users of this document.

Also a new Training group was identified during the IEEE/EFCOG winter meeting. The working group line up will be as follows:

DC – Gary Dreifuerst / Kyle Carr

G.D. No comment

HEC – Stephanie Collins / Dave Lipinski

R.W. Bare bones LOTO requirements, D.L. Created an outline and is looking for comments at this time. Should be fairly complete by summer and available for review by the group. Look alike equipment best practice working draft. Electrical safety month in May- Lloyd will highlight the Lithium Ion battery safety products available for review. Mike Rosenau will be assisting. Sandia, NREL and Argonne are asked to be part of the team for Electrical Safety Month. Position paper needs to be put out regarding test equipment used for zero energy verifications, that they do not need to be calibrated and maintained for M&TE. Bobby Gray wrote a letter. We need to write a position paper for the clarification.

L. G. – New external zero energy verification components, listed and available will enhance the ability to reduce the exposure to potential energy. Very exciting news regarding the progress NRTL listing and integration into the electrical industry. Just short of being approved by NFPA 70E. We may need to propose the idea of use to the NFPA 70E committee. Panduit is the only vendor that complies with the requirements at this time, Grace is in process of listed components as well. Item for discussion within the HEC group. Valuable when incident energy is above 40 cal/cm2.

Subcontractor Electrical Safety Management – Jim Watson / Dave Inskeep

~~DOE Electrical Safety Handbook - Lloyd Gordon / Mike Hicks~~  “OFFLINE”

NFPA 70E Risk Assessment – Greg Christensen / Jennifer Martin

G.C. as Tommy stepped down from co lead Jennifer Martin will be step up to assist as co-lead of the group.

“NEW” Training – Lloyd Gordon / Andrew Olsen

Contact release training on the agenda as well as demonstration of proficiency as required by NFPA 70E.

No recent events for discussion.

Round Table:

Greg Christiansen discussed the need for a formal invitation to be sent out to Dennis Neitzel for scheduling and travel.

9:35am Call adjourned.