



Electrical Safety Community of Practice

2023 Winter Planning Meeting Agenda

8:00am – 12:00pm PST

March 13th, 2023

8:00 – 8:15 Welcome –Scot Winningham

- Safety Topic
- Introductions, Mission, Future of ESCoP

8:15 – 8:20 Review of executive committee / officers

- Scot Winningham, Chair
- Tommy Martinez, Vice Chair
- Drew Thomas, Secretary
- Jennifer Martin, Chair Emeritus

8:20 – 8:40 Accomplishments

- Electrical Safety Materials 2022 – The importance of qualified electrical workers
- EFCOG ESCoP Summer Workshop – NREL
- DOE-HNDBK-1092 revisions complete, now with editor ESHH-11 and RevCom
- BP 250 Mining and Underground Facilities Electrical
- BP 252 Hazard Identification and Risk Assessment* (figures and tables adjustments being made)
- BP 253 NFPA 70B Impact Analysis
- BP 254 Non-NRTL Utilization Equipment Inspection Processes (NNUEIP)
- Guest Speaker Series
 - Julie Baker, NREL COO
 - Derek Passarelli, DOE
 - DNFSB Summary – James Parham
 - DOE Worker Safety & Health Policy Office Summary – Joe Dobbins
 - DOE Electrical Safety Annual Summary – Richard Waters
 - Field Evaluations - UL Tim Gambrell
 - Lightning Protection - DEHN, Inc. Steven Weber & Mark Hendricks
 - Complex LOTO System – SNL, Matt Fernandez
 - Article 360 Capacitor Safety - LBNL, Mark Scott
 - 10 Most Common Arc Flash Study Errors - Easy Power, Jim Chastain
 - NEC Chapter 5 Article 545 - Mark Hilbert
 - NFPA 70E 2024 Discussion Panel - Mark McNellis; Heath Garrison; Bobby Gray;
 - Keeping up with Capacitors; Capacitor Calculator - ElecTrain, Andrew Olsen



8:40 – 9:00 Activity Reports

- Status of Electrical Safety Month materials, DIY Electrical Safety – Tommy Martinez
- EFCOG Participation in IEEE IAS ESW 2023

Presentations

- ESW2023-02 Shock Culture; Mark Scott
- ESW2023-08 A Scientist's Perspective On Electrical Safety; Ernst Esch & Ray Joggerst
- ESW2023-15 Best Practices For Non-Nationally Recognized Testing Laboratory Utilization Equipment Inspection Processes; Michael Anderson & Drew Thomas
- ESW2023-20 Modeling DC Arc Physics and Applications for DC Arc Flash Risk Assessment; Lloyd Gordon
- ESW2023-23 Reducing Risk When Performing Energized Work on Batteries; David Rosewater

Tutorials

- Capacitors – Principles and the application of NFPA 70E – 2021 Annex R; Mark Scott
- Modeling DC Arc Physics and Applications for DC Arc Flash Risk Assessment; Lloyd Gordon, David Rosewater & Tracy Roberts

Focus Sessions

- Safety Related Concerns with Installation and Use of Switch-Rated Plug/Receptacle Combinations in Lieu of Metal-Enclosed Disconnect Switches; John Whipple & Richard Waters

9:00 – 9:10 Break – START TEAMS Meeting

9:10 – 10:45 Proposed 2023 EFCOG ESCoP Groups & Topics

For each topic area, new and existing, clearly define what the value is, the need, and what the expected product will be from each group.

- Existing
 - DC – Gary Dreifuerst / Kyle Carr / Lloyd Gordon
 - Hazardous Energy Control – Stephanie Collins / Tommy Martinez
 - Electrical Safety Month Materials – Tommy Martinez
 - ESMT Update/Revision – Tommy/Richard
 - Non-NRTL Inspector/Inspection – Drew Thomas / Tracy Roberts
 - Risk Assessment for acceptance of equipment
 - Training for procurement personnel
 - Process/Procedure requirements for procurement of electrical equipment
 - Safety design standards for custom built equipment
 - Complex wide database of inspected non-listed equipment
 - NFPA 790 Standard for Competency of Third-Party Field Evaluation Bodies
 - Utility Standards Interface – Don Lehman / Kiley Taylor
- Survey Feedback
 - PV Safety



- EV Safety – maintenance, training, first responder
 - Electrical Safety Through Design
 - Standards/Code interpretation group
 - Align Electrical Severity Measurement Tool with ORPS Reporting
 - Battery Energy Storage Systems Risk Assessment Tools
 - Professional Development for Junior Staff/Qualifying SMEs
 - How to train unqualified/non-electrical workers
 - Developing leading electrical safety metrics
 - Update the electrical safety center of excellence webpage
- Summer 2023 Working Groups
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10:45 – 10:50 Working Group Leaders

- Confirm leaders for working groups
 - Survey Suggestion – new leaders for existing groups

10:50 – 11:00 2023 EFCOG ESCoP Summer Workshop July 17th-21st, 2023

- Workshop Host – Sandia National Laboratory, Albuquerque New Mexico
- Workshop host – Eugene Santiago

END Teams Meeting

11:00 – 11:15 Logistics for 2023 EFCOG ESCoP Summer Workshop

- EFCOG Conference Exemption ID – Scot Winningham
- EFCOG online registration – TBD
- EFCOG ESCoP Potential Host Site for 2024

11:15 – 11:20 EFCOG IEEE – Proposals due

- Our contributions to the electrical industry
- Leadership
- Best paper awards
- Past Workshops
 - 45 minute oral presenters
 - 15 minute oral presenters
 - Poster presentations at focus sessions
 - Tutorials



11:20 – 11:45 Recent Events from around the complex

- SLAC Update

11:45 – 11:55 Roundtable

12:00 Adjournment

1:00–3:00 IEEE Electrical Safety Committee Meeting (Open to All)

3:00-6:00 IEEE Sub-Committee Meetings (Open to All)

Microsoft Teams meeting

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