
Workshop Topics and Deliverables

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Workshop Chairs

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Topics

- Overall workshop goals
- Working Groups
- Deliverables
- Schedule
- Guidance for Workshop Leads
- Resources

Overall Workshop Goals

- Contribute to DOE and national electrical safety by
 - Standardizing electrical safety processes
 - Contributing to National Standards
 - Develop guidance for DOE

2009 Working Groups

- 1) Training
- 2) 10 CFR 851
- 3) NFPA 70E Proposals
- 4) ISA Standards
- 5) Unlisted Equipment Approval
- 6) Subsurface Investigation

Working Group Deliverables

- The following deliverables are intended to provide ideas to your working group base on EFCOG Task Group Discussions.
- You should start your working group by discussing and choosing your:
 - Goals
 - Deliverables

Workshop 1 Training

Paul Chapman
Martin Iedema
Richard Waters
Joe Kilar

Electrical Safety Training Deliverables

- How to consolidate the multiple methods and materials in electrical safety training across the complex into a single, robust, defensible program.
- How to meet new 70E requirements for hands-on demonstrated proficiency training.
- Based on code requirements develop guidance on training methods
 - Web-based
 - Hands on
 - Live
 - Self study

Workshop 2

10 CFR 851

Mike Hicks
Bryan Drennan

10 CFR 851 Deliverables

- How to prepare for and survive an 851 audit.
- Share 851 enforcement actions at your site
- Contrast 851 site investigations and rulings
- How to assist 851 in proper interpretation of codes and standards

10CFR851 - Worker Health and Safety Rule

Workshop 3

NFPA 70E Proposals

Ken Gray
Bobby Gray
Mark Ode

NFPA 70E Proposals Deliverables

- Review current lists of proposals
- Proposal ideas for R&D:
 - Proposal for DC shock boundary table,
 - Proposal for capacitor thresholds for safety,
 - Proposal to fix existing DC and capacitor sections

NFPA 70E - Standard for Electrical Safety in the Workplace

Workshop 4

ISA Standards

Lloyd Gordon
Gary Dreifeurst

ISA Standards Deliverables

- Proposed standard for the design, testing, certification, maintenances, approval, and training to use Ground Hooks
- Proposal for adequate engineering controls to remotely discharge capacitors so that there is no exposure to workers when placing a ground hook

Workshop 5

Unlisted Equipment Approvals

Greg Krumdick
John Whipple
Bobby Sparks
Bob Weiss

Unlisted Equipment Approvals Deliverables

- Proposed updates to existing DOE handbook chapter including
 - interlab transfers of equipment
 - proposal for 70E
 - Other issues
 - Purchasing
 - Labeling, documentation methods

Workshop 6

Subsurface Investigation

Dave Inskeep
Clarke Scott
Rick Baca
Jeff Williams

Subsurface Investigation Deliverables

- Goal is to reduce unplanned utility strikes in DOE complex
- Review existing and available technology
- Evaluate current DOE policy
- Develop strategy for future

Workshop Working Sessions

- Wednesday 2:30 – 3:00
 - Workshop overview and guidance
- Wednesday 3:00 – 5:00
 - WORK
- Thursday 10:30 – 12:00
 - WORK
- Thursday 1:00 – 5:00
 - WORK, Prepare presentations
- Friday 7:30 - 11:45
 - Presentations

Workshop Working Sessions

- Workshop #1
 - Pine Room
- Workshop #2
 - Oak Room
- Workshop #3
 - Design Room, Wing 2
- Workshop #4
 - Main Session Room - here
- Workshop #5
 - Project Room, Wing 2
- Workshop #6
 - Spruce Room

Workshop Presentations

- Each workshop will present their group accomplishments and strategy for future completion within the group

Friday Morning

- 7:30 – 8:05 Workshop #1
- 8:05 – 8:40 Workshop #2
- 8:40 – 9:15 Workshop #3
- 9:15 – 9:50 Workshop #4
- 9:50 – 10:10 Break
- 10:10 – 10:45 Workshop #5
- 10:45-11:20 Workshop #6

2009 Workshop Guidance

- *Workshop participants must be at each and every session to be a team member.*
- Participants will remain in the same group, do not rove, unless you are asked to present info for a short time
- Participants will break into 6 working groups
- Each group will have 1 or more workshop leaders to assist with the continuity, scope, and direction
- All participants are encouraged to contribute to a workshop group
- End result is to produce usable product(s) and present the product(s) on Friday morning
- Groups are encouraged to develop a continuity plan to complete unfinished work

Guide for Workshop Leads

- Set goals and schedule
- Determine product
- Establish subgroups and facilitators
- Keep groups focused
- Develop presentation, pick presenter
- Plan for follow up, set deadlines

Resources Available

- Hard Copies
 - 2009 NFPA 70E
- Electronic Files
 - DOE Electrical Safety Handbook
 - Many standards: UL, ANSI, IEEE, NFPA, OSHA, NENA
- Some training materials
- 851 materials

- If you need anything contact
 - Don Bourcier
 - Lloyd Gordon
 - Ken Gray
 - Megan Campbell