



Committee Meeting Minutes

Codes & Standards

Committee Meeting Objective: Report, discuss, and learn about the latest updates in national codes and standards affecting the EGSA members.

Date : Monday, September 16, 2019
Location: Hyatt Regency, Scottsdale, AZ
Time 1:00 - 5:00p.m.
Chairperson: Robert Simmons

| Item | Description | Conclusion |
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| <i>Welcome -Meet your 2019 Leadership Team</i> | Robert Simmons - Chair Jeff Jonas – Vice Chair Brandon Nigh - Secretary | Complete |
| <i>Review Committee Initiatives</i> | Robert Simmons | Complete |
| <i>Review Mission statement, and initiatives of the C&SS committee</i> | Robert Simmons | Complete |
| <i>Review and update of membership</i> | Jeff Jonas | Complete |
| <i>Meeting minutes from the Spring conference in Austin, TX</i> | Robert Simmons Request any amendment to minutes previously distributed and move to accept as appropriate | Motion was made and seconded to accept the spring meeting minutes as presented. Lee Newton and Chris Mathies. Motion passed unanimously. Complete |
| <i>Officer update</i> | Robert Simmons | Brian Ponstein-Board Liaison. Brandon Nigh-Secretary |
| <i>Working Group update-Steve Sappington, UL 2200</i> | Steve Sappington, Jeff Jonas | Steve S. gave the update. ULC6200, 1 st edition, is released. Currently the meeting is closed. Would we consider making it an open meeting? Yes. Even if closed we can always ask to attend. ULC 2200 is in final stages of development and will be released this week. Tim Zgonena gave an overview presentation. Relocatable generators are not included. Discussion around building or enclosure for generator enclosures. Should EGSA consider drafting a recommendation to help in the industry? Yes. |

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| | | UL2200A is an Outline of Investigation that covers the evaluation of a fire inside an enclosure to be used in conjunction with NFPA 37, clause 4.1.4.1.2, less than 5 feet offset distances. UL has formed an STP and is looking for feedback on the outline of investigation. |
| <i>Sound measurement best practices. Working Group update Coordinate with ISO Standard</i> | Brian Ponstein | Brian P. reported that the group met monthly and made some recommendations ISO8528-10. Checking on the status of release of standard. |
| <i>Update Diesel fuel working group TIA Log No.: 1388, Reference: 8.3.7. (NFPA 110)</i> | Steve Sappington | Proposal was submitted to the NFPA 110 TC. Initially rejected, resubmitted on a TIA. TC voted that it was not an emergency. Appealed to NFPA standards council which sided with TC. Working group was formed to come up with changes to the standard. Steve S. formed the working group and presented the WG recommendation. WG recommendation was accepted and results will be published in 2/2020. |
| <i>IEEE 1547- any update on Generator compliance with latest since presentation at last meeting</i> | | No update. |
| <i>IEEE 1547 1547.1a Standard Test Procedures for Distributed Resources IEEE 1547.3 – “Draft Guide for Monitoring Information Exchange and Control of DR Interconnected with EPS” IEEE 1547.4 – Standard for Design, Operation, and Integration of Distributed Resource Island System with Electric Power Systems.” 1547.5 IEEE 1547.6– “Draft Recommended Practice for Interconnecting Distributed Resources with Electric Power Systems Distribution Secondary Networks.” IEEE 1547.7 IEEE 1547.8 – Extended Use of IEEE 1547 Voltage and Frequency Ride through Requirements</i> | Herb Daugherty | IEEE 1547.1 is going out for ballot before the end of the year. It will be published Q1 2020' |
| <i>ISO Tech Committee TC 70: Internal Combustion Engines</i> | George Langton | ISO3046-5 Reciprocating engine torsional vibration. Under service review. |

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| <p><i>ISO 8528-1(2018): Reciprocating internal combustion engine driven alternating current generating sets - Part 1: Application, ratings and performance</i> <i>ISO 8528-2: Part 2 Engines (2018)</i> <i>ISO 8528-3: Part 3 Alternating Current generators (2005)</i> <i>ISO 8528-4: Part 4 Control gear and switchgear(2005)</i> <i>ISO 8528-5: Part 5 Generator Sets (2013).</i> <i>ISO 8528-6 to -13</i> <i>ISO 15619(2013): Reciprocating Internal combustion engines – Measurement procedure for exhaust silencers – Sound power level of exhaust noise and insertion loss using sound pressure level and power loss ratio</i></p> | <p>General report and discussion of any updates to Standards under TC70</p> | <p>ISO3046-6. Under service review. ISO8528-3. Major changes to multiple sections, to be addressed for AVR's, and control definitions for the additional controls in the systems. ISO8999. Service review. ISO7967-4. Service review. ISO7967-6. Service review. ISO14396. Service review. ISO14314. Service review.</p> <p>Brandon Nigh is the EGSA representative. Let him know of any changes and he will bring them to the committee.</p> |
| <p><i>IBC, ASCE, BSSC, Seismic certification Working Group</i></p> | <p>Robert Simmons</p> | <p>Robert Simmons advised that there has not been a meeting since the last meeting in Spring. There will be a meeting after the next meeting.</p> <p>Michelle H. reported that she attended the ASCE meeting. ASCE has a working group that is opposed to the changes in NFPA 99.</p> |
| <p><i>UL2201</i> (Portable Generators)</p> | <p>Jeff Jonas</p> | <p>No new information.</p> |
| <p><i>UL1008</i> (Transfer Switches)</p> | <p>Herb Daugherty</p> | <p>No new information.</p> |
| <p><i>UL1008M</i> (Transfer Switch equipment, meter mounted)</p> | <p>Steve Sappington</p> | <p>Vote recently to keep separate or put in UL1008. 18 yes, 12 no on standard approval. 2/3 majority not met. PDE will ask STP for next step. Most of NOs came from Canada.</p> |
| <p><i>UL/ULC 6200</i> (Standard for Controllers for Use in Power Production)</p> | <p>Jeff Jonas</p> | <p>1st edition of standard has been released.</p> |
| <p><i>UL 1778</i> (Uninterruptable Power Systems 2nd Edition)</p> | <p>Need volunteer to be assigned monitoring and update.</p> | <p>Need volunteer for liaison position. Group felt it was useful to keep it on our list of supported standards. No new information.</p> |
| <p><i>Presentation – UL2900 Cyber Security</i></p> | <p>Rachel LaVoie</p> | <p>Best practices of IOT product design. Shared a list of cybersecurity standards. UL2900 is the base UL standard for cyber security. Regulations will be maturing in the future.</p> |

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| NFPA 110 (Standard for Emergency and Standby Power Systems) | Steve Sappington | NFPA110 technical committee meeting was held last month. Success in stored fuel regulations. Initial proposal and TIA rejected. Standards council sided with technical committee. Task group was formed, report generated and proposal was approved. The changes will be published in February for comment. Herb D. reported that he was rejected by the NFPA. CS&S committee will review letter and possibly to submit to NFPA. |
| NFPA 111 (Standard on Stored Electrical Energy Emergency and Standby Power Systems) | Herb Daugherty | No update. |
| NFPA 99 (Health Care facilities Code) | Herb Daugherty Ron Schroeder | NFPA 99 2 nd draft meeting in Indianapolis in June 24-27 th , 2019. Herb did not attend. Next step is the technical committee. |
| NFPA Correlating Committee | Ron Schroeder | Nothing new. |
| IAEI (International Association of Electrical Inspectors) | Ron Schroeder | No codes or standards. IAEI uses the NEC. Chapter meetings are an outlet for manufacturers to share information about their product. How to work through IAEI. Locals would attend local meetings. List of persons allowed to speak on behalf of EGSA. CS&S committee chair to appoint people but the EGSA board will need to approve this. Robert asked that volunteers contact him. |
| NFPA 70 (National Electrical Code) Panel 13 | Herb Daugherty, Jeff Jonas | Jeff Jonas gave a highlight presentation of the 2020 NEC. Herb has been accepted as a principal to the committee. |
| NFPA 37 (Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines) | Keith Page | 1 st draft meeting was held in April. PI for placement related to CO was rejected and standard will not be changed. Minor editorials changes. 2 nd draft meeting in April, 2020. |
| IEEE 3000 Series (Color Books) | Herb Daugherty | No discussion. |
| NECA: National Electrical Contractors Association | New Standard out – any volunteers for liaison? | No update. |
| PGMA Portable Generator Manufacturers Association | Brandon Nigh | Jeff Jonas gave the presentation from PGMA that explains their activities. When is the next revision cycle? Jeff Jonas to check on. |
| Any Important News on Major EGSA Initiatives from other Committees | Robert Simmons | No discussion. |

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| <p><i>Any New Business: Member feedback - What questions are most pressing, needed training or presentations.</i></p> | Robert Simmons | <ul style="list-style-type: none">• Robert Simmons suggested that we change the format of the meeting to a more of a collaborative effort. U-shaped room. Will try at Spring 2020 meeting.• Discussed the idea of distinguished lecturers. EGSA board would have to approve the person and the activity.• EGSA would have to come up with a uniformed voice. Next UL2200 working group to handle defining enclosure best practice? Send out agenda to the CS&S committee. Structure around what constitutes a UL2200 listed generator. Tim Z. suggested that we extend this to proposals in other codes.• Steve Sappington suggested that we work through the state fire marshals to find out what concerns the fire marshals have with on-site power generation.• Robert S. led the discussion. EGSA has a small budget to send people to attend committee meetings. Which standards are a priority?<ul style="list-style-type: none">○ NFPA 110.○ NFPA 70 CMP 13.○ NFPA 37.○ UL2200-NO, due to adequate representation from manufacturers.• Should we request the EGSA board to fund a contract position to be an EGSA liaison to associations? Find a retired state inspector to fill the position. Mostly due to Herb Whittall's position being eliminated. Yes, request will be made. |
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| | | <ul style="list-style-type: none"> • UL3001-Distributed Energy Resource Systems. Draft scope. STP has 50-60 members. US and Canada. 12 task groups working on various facets of DERs. • UL9540-Energy storage. Changes coming to align with NEC 2020. • UL3741-PV Hazard Control (formerly rapid shutdown). Compliance with 2017 NEC 690.12. How to keep fire fighters out of current path. DC shock you have muscle control. UL and Sandia National labs did research to provide a basis for the standard. Received 150 comments. Incorporating into standard should be out by the end of the year. |
| Adjourn | Robert Simmons | Adjourned at 5:19 pm |

Action Items

| Item | Person Responsible | Deadline |
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| Spreadsheet of regional codes and registrations | Robert Simmons | TBD Robert S. mentioned that modular buildings (transportable) registration is required in Texas. Suggested a spreadsheet. Suggestion to target products related to EGSA members. |

Codes and Standards Surveillance Committee Mission Statement:

Represents EGSA and its members' interests on select national and international industry codes and standards committees and reports back to the membership through *Powerline* magazine, Committee meetings, Action Alerts, and e-mail blasts. The Committee also:

- Develops recommendations and provides action regarding industry codes and standards development and review by request and as needed
- Surveys the membership and other industry professionals to determine the applicable standards it should monitor
- Provides the Association with a platform from which it may develop Recommended Practices for the proper application of codes and standards within the industry
- Educates EGSA members on standards, their application and interpretation.