



Safety Codes Council

MINUTES OF THE SECOND ELECTRICAL SUB-COUNCIL MEETING OF 2020

DATE: March 9, 2020
TIME: 9:30 a.m. to 1:40 p.m.
LOCATION: Safety Codes Council Office, Edmonton

PRESENT: *Sub-Council Members*
Gerry Wiles, Chair
Scott Basinger, Vice Chair – North
John Briegel
Patrick Conway
Bert DeBruin
Hussein Desouki
Gerry Doan
Ken Forbes
Todd Grayson
Glenn Hedderick, Vice Chair – South
Ken Hood – via teleconference
Nicolas Leblanc
Tyler Masson
Lori Monaghan
Brian Townsend
Barry Voogd

Safety Codes Council
Allison Karch, Kathryn Derkach, Jennifer Johnson, Susan Rossmann

Alberta Municipal Affairs
Bob Hall

REGRETS: Adam Ghani, Tim Driscoll

RECORDER: Kathryn Derkach

2020 MEETINGS: May 4, September 28, November 16

1. Meeting Opening

The Chair called the meeting to order at 9:30 a.m.

1.1 Agenda Adoption

The following items were added to the agenda:

- 4.12 Solar Installer Approval
- 4.13 Grounding at Farm Services

Brian Townsend / John Briegel moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of the January 13 Minutes

Todd Grayson / John Briegel moved to adopt the minutes of the January 13, 2020 meeting, as circulated; CARRIED

2. Matters for Decision

None identified.

3. Review Matters Arising/Action List

	Item	Action	Date Initiated	Responsible	Status/Update
1.	CE Code-072 – Concrete Encasements	Consider drafting a Proposed Change to CE Code Part 1 UPDATE: The working group is still working on a proposed change for the next code cycle (2024). This will be brought to the sub-council at a future meeting.	Feb 6/17	CE Code Working Group	In progress
2.	Multi Family Unit Site Bonding	It was decided that the affected municipalities will meet with the proponent to discuss the issue further.	Jan 13/20	Wiles	Ongoing
3.	Award Nominations	It was discussed that a former member will be nominated for the Dr. Sauer and the Certification Award	Jan 13/20	Leblanc	Due March 20, 2020
4.	APEGA presentation	It was suggested that APEGA could present about authentication process.	Jan 13/20	Desouki	

4. Matters for Discussion

4.1. Governance Presentation

Susan Rossmann, Manager of Stakeholder Relations, gave a presentation on the sub-council governance review findings. Highlights of the presentation included:

- Overall, the feedback was positive with some suggestions for improving processes, some of which have already been implemented.
- Two major issues were identified:

- It was found that the TCC was meeting too infrequently and the technical expertise at the table wasn't always sufficient to effectively address issues.
- There are two working groups that are functioning as sub-councils but don't have the governance structure or oversight that sub-councils do: the PSDS working group (Plumbing Sub-Council) and AEUC working group (Electrical Sub-Council).
- The Board has made the recommendation to dissolve the TCC and create two new sub-councils. These recommendations would be implemented through a bylaw change, which is being presented at the AGM in May. To ensure communication among sub-councils is maintained, the Council will continue work on improved reporting systems and processes between sub-councils:
 - Liaisons
 - Joint working groups
 - Working group report templates
 - Quarterly reports
 - Two-week agenda package posting

Specific to the creation of the new sub-council relating to electrical utilities, discussion included:

- A briefing note is going to the Governance and Nominating Committee of the Board for approval of the process to form the new sub-council. A panel of experts will be created to recommend a matrix and membership and for the new sub-council. This work is expected to be completed prior to the AGM so that, should the amended bylaws be approved, the new sub-council will be able to begin holding meetings this year.
- Electrical Utility Sub-Council was supported by the ESC as the name for the new sub-council.
- Keeping the current name of the Electrical Sub-Council was supported by the group.
- It was emphasized that the names of the sub-councils do not define their scopes and specific situations that may not fit neatly within the term "utility" will be taken into account.
- There will be liaisons between the two sub-councils to ensure open communication and help address topics that relate to both sub-councils.

It was noted that the Council is always open to feedback on these proposals and sub-council members were encouraged to give feedback on the new reporting and communication processes as well. If members have any further questions or feedback, contact Susan at susan.rossmann@safetycodes.ab.ca.

4.2. Variance for Load Controllers/Energy Management Systems

Documentation was included in the member portal requesting a variance be issued for load controllers and/or energy management systems that monitor the consumer's service and feeders to incorporate additional loads to those currently outlined in CE Code Part 1, Section 8-106 (10) and (11).

It was noted that, while the manufacturer's label states the energy management systems in question are for electric vehicle chargers, the product certification doesn't specify that it is for

electric vehicle chargers only. After discussion, it was decided that Section 8-106(2) addresses this issue and that clarification rather than a variance is needed.

Glenn Hedderick / Scott Basinger moved to recommend that Municipal Affairs create an Information STANDATA to clarify that Section 8-106(2) can be used to allow for electrical management systems labelled for electric vehicle charges to be used for other loads; CARRIED.

4.3. Rule 28-104 STANDATA suggestion/question from Cavan Lee

Documentation was included in the member portal requesting a change to the reference of table 37 from motor insulation temperature rating to motor temperature rise.

It was noted that this issue was dealt with at the February 2017 ESC meeting, at which the sub-council agreed a variance is not required.

Municipal Affairs was requested to respond to the proponent, referring them back to the February 2017 minutes. [Hall/Cormier]

4.4. Electrical Service Mast Residential Fall Arrest Requirements

Documentation was included in the member portal requesting guidance using the latest STANDATA releases of demarcation points between utility and customer/property owner.

After discussion, it was decided that this issue does not fall within the scope of the sub-council and should be addressed by OH&S.

John Briegel / Gerry Doan moved to request that Municipal Affairs respond to the proponent with the following response: After discussion, the Electrical Sub-Council determined it would not be in the best interest of the installations to be used as a tie off point. The purpose of the conduit mast is for electrical mechanical protection and to support the incoming conductors; and further, it is on the customer side of the demarcation and not for utilities' use; CARRIED.

4.5. Submission re. 6-300 1) b) ii) B) & Rule 4-006

Documentation was included in the member portal requesting clarification on Rule 6-300 1) b) ii) B) & Rule 4-006 for installations.

It was noted that this issue related to item 4.13 Farm Services and both items would be addressed together.

After discussion, it was decided this issue required further research and discussion at a working group level.

Ken Forbes / Tyler Masson moved to form a working group to address the submission regarding rule 6-300 1) b) ii) B), rule 4-006 and farm services to develop a proposed STANDATA for clarification; CARRIED.

Scott Basinger / Glenn Hedderick moved for members of the working group to include: Glenn Hedderick as chair, Ken Forbes, Ken Hood, Gerry Doan, Brian Townsend or a utility representative, Scott Basinger or a CE Code working group member(s); CARRIED.

It was noted that all members of the Electrical Sub-Council and Municipal Affairs are invited to attend working group meetings. [Hall / All]

Gerry Doan / Ken Forbes moved that the working group bring recommendations to the May 4, 2020 Electrical Sub-Council meeting; CARRIED.

4.6. Submission re. Soffit Lighting

Documentation was included in the member portal requesting a STANDATA be issued in regards to soffit lighting being installed as a permanent installation with electrical permits required for installations and work be done by a certified electrician.

It was discussed and determined that this is about enforcement as the CE code already covers this issue.

Municipal Affairs was asked to look into options for a joint notice with AIT to give more information on when an electrical permit is needed, and how to safely install these types of systems. [Hall]

4.7. LTF Connectors

Documentation was included in the member portal requesting a code change to the 18-152 Wiring methods, Zone 2 (appendix B) h) liquid-tight flexible metal conduit and connectors, marked for heavy duty. The request was made because there is currently no standard for the connectors, though there is one for the conduit.

After discussion it was decided that the proponent could apply for a variance to use the connectors that were used during testing of the conduit, which would be noted on the conduit spec sheet.

It was suggested that the Hazardous Locations Working Group could also review this issue as they plan to meet on March 31. [Conway / Driscoll]

4.8. Working Group Reports

4.8.1. AEUC

- The next meeting is scheduled for April 7.
- Currently waiting for the new edition of the CSA CE Code Part 3 Overhead and Underground standards, which will be reviewed in order to create the next edition of the Alberta Electric Utility Code.

4.8.2. CE Code

- The group has not met since the last ESC meeting.
- The working group chair gave an update at the EIAA meeting.

4.8.3. Hazardous Locations

- The next meeting is scheduled for March 31.

4.8.4. Master Electrician

- The group has not met since the last ESC meeting and is planning on meeting only once a year.
- The working group chair gave an update at the EIAA meeting.
- There was discussion around the removal of Appendix A and the effect that will have on the master electrician exam.

4.9. BSC Liaison Report

Nothing to report.

4.10. Administrator/AMA Report

Municipal Affairs reported:

- A STANDATA has been published around the 12 storey encapsulated mass timber. Requirements regarding flame spread rating may be of interest to the electrical discipline.

4.11. Council Updates

A written report was included in the portal and updates were provided on the following:

- There are number of member training sessions coming up, please contact Gerry to register:
 - Effective Meetings Workshop – March 23
 - Appeals Training – March 24
- Registration for Conference 2020 is now open for sub-council members and general public. Please be sure to register as soon as possible to guarantee a room at the Rimrock. Once the Rimrock is sold out of rooms, the Council will still provide you a room at a different hotel.
- Dr. Sauer Award nominations are due on March 20. Please contact Kathryn if you have any questions about the nomination process.
- CANSIA has agreed to be the nominating organization for the solar seat on the sub-council that was recommended at a previous meeting. Should the Board approve the addition of the seat and corresponding nominating organization, Council staff will move forward with seeking nominations.

A document outlining changes to Working Group procedures was included in the portal and reviewed.

- Based on findings from our recent governance review, we are making adjustments to working group processes to:
 - Streamline working group information
 - Make working groups more nimble and flexible
 - Ensure the sub-council has ongoing oversight of its working groups
 - Reduce administrative paperwork.
- Working groups will be ad-hoc rather than standing.
- The sub-council can form working groups using motions detailing scope, membership and timelines, which will be captured in the minutes.
- The motions, in combination with the procedures, will serve as the governance documentation for the working groups. Working groups will no longer have terms of reference documents. Any existing terms of reference are considered void.

- The Hazardous Location Working Group will have one last meeting to tie up any loose ends.
- The Master Electrician Working Group will now be an advisory group managed by the Administrator of Certification and will provide updates to the sub-council as needed.
- The CE Code Working Group will finish work on concrete encasements.
- The AEUC Working Group will continue as-is until the new sub-council is established.
- It was suggested that a solar working group may be needed at some point in the future.

4.12. Solar Installer Approval

It was reported that there has been pressure from general contractors to remove solar from the electrical section and put under the general contractor's section of the Alberta Construction Trade Definitions. Wording in the trade regulation is not descriptive enough to stop companies from using an electrician only for final connection and not for the full installation.

It was noted that the sub-council's scope is to ensure the work done complies with the code. This item falls under the scope of AIT and any non-compliance with that document should be reported to them.

4.13. Grounding at Farm Services

This item was addressed under item 4.5.

5. Meeting Finalization

5.1. Round Table

- CSA is launching a new program for evaluations of Hazardous Locations which will be brought forward at a future ESC meeting.

5.2. Next Meeting

The next meeting was reconfirmed for May 4, 2020 at the Council office at 9:30 a.m.

5.3. Meeting Adjournment

The meeting was adjourned at 1:40 p.m.

– NEW ACTION ITEMS –

4.3. Rule 28-104 STANDATA suggestion/question from Cavan Lee

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It was noted that all members of the Electrical Sub-Council and Municipal Affairs are invited to attend working group meetings. [Hall / All]

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– MOTIONS –

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– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (<u>Chair</u>)
AEUC	<p><u>Brian Townsend</u> Jim Porth, Cory Akins, Ran Li, Sandya Neelawala, Travis Shmyr, Ken Chao, Clark Laing, Barry Thoms, Will Hillary, Al Nagel, Henry Navis, Rodger Renwick, Brian Wagner, Lisa Liusz Senio, Mark Liebel, Graeme Vanderstar, Tony Walker</p>
CE Code	<p><u>Scott Basinger</u> Don Bradshaw, Larry Cantelo, Bert DeBruin, Glenn Hedderick, Brad Van Elslande, David Pickering, Bill McAllister, Cal Whitehead, Ron Taylor, Dennis Senych</p>
Hazardous Locations	<p><u>Tim Driscoll</u> Dan Green, Jake Driedger, Mark Throckmorton, Don Basnett, Scott McCorriston, Vince Rowe, Cecil Gordon, Michael Anderson, Marty Cole, Richard Beniuk, Rod Pack, Stephen Hinde, Pat Conoway</p>
ME Working Group	<p><u>Glenn Hedderick</u> Kevin Harrison, David Pickering, Gene Sale</p>