



**MINUTES OF THE
SIXTH ELECTRICAL SUB-COUNCIL MEETING OF 2021**

DATE: December 6, 2021

TIME: 8:34 a.m. to 9:48 a.m.

LOCATION: Videoconference

PRESENT: *Sub-Council Members*
Gerry Wiles, Chair
Scott Basinger, Vice Chair – North
Patrick Conway
Bert DeBruin
Gerry Doan
Tim Driscoll
Ken Forbes
Glenn Hedderick, Vice Chair – South (at 9:45 a.m.)
Nicolas Leblanc
Lori Monaghan
Barry Voogd
Ed Knaggs

Safety Codes Council
Allison Karch, Kathryn Derkach

Alberta Municipal Affairs
Clarence Cormier, Bob Hall

REGRETS: Hussein Desouki, Adam Ghani, Ken Hood

GUESTS: Jason Drenth (EUSC Liaison)

RECORDER: Allison Karch

2022 MEETINGS: February 7, April 4, June 6, October 3, December 5

1. Meeting Opening

The Chair called the meeting to order at 8:34 a.m. A round table introduction was held and members were reminded that their primary duty is to act in the interests of safety in the built environment for the benefit of all Albertans. Members were reminded that once a decision has been made by the sub-council, the topic is considered closed unless there is new information to be brought forward.

1.1 Agenda Adoption

The following items were added to the agenda:

- Reappointment of Patrick Conway to the Electrical Sub-Council to represent Electrical Standards/Testing/Certification Organizations for a term ending January 31, 2025, effective February 1, 2022.
- Reappointment of Tim Driscoll to the Electrical Sub-Council to represent Petrochemical Industry for a term ending January 31, 2025, effective February 1, 2022..
- Appointment of Brad Dougherty to the Electrical Sub-Council to represent Labour for a term ending January 31, 2025, effective February 1, 2022.

The Colour Coding of Conductors Working Group Report is being deferred to the next meeting.

Ed Knaggs / Nicolas Leblanc moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of the October 4, 2021, Minutes

Bert de Bruin / Barry Voogd moved to adopt the minutes of the October 4, 2021, meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Ed Knaggs / Barry Voogd move to enter into closed session; CARRIED.

Ed Knaggs / Nicolas Leblanc moved to exit closed session; CARRIED.

2.1.1. Reappointment of Adam Ghani to represent Major Municipalities South

Scott Basinger / Barry Voogd moved to recommend to the Board reappointment of Adam Ghani to the Electrical Sub-Council to represent Major Municipalities South for a term ending January 31, 2025, effective February 1, 2022; CARRIED.

2.1.2. Reappointment of Hussein Desouki to represent Professional Engineers

Scott Basinger / Lori Monaghan moved to recommend to the Board reappointment of Hussein Desouki to the Electrical Sub-Council to represent Professional Engineers for a term ending January 31, 2025, effective February 1, 2022; CARRIED.

2.1.3. Reappointment of Patrick Conway to represent Electrical Standards/Testing/Certification Organizations

Ken Forbes / Barry Voogd moved to recommend to the Board reappointment of Patrick Conway to the Electrical Sub-Council to represent Electrical Standards/Testing/Certification Organizations for a term ending January 31, 2025, effective February 1, 2022; CARRIED.

2.1.4. Reappointment of Tim Driscoll to represent Petrochemical Industry

Ed Knaggs / Scott Basinger moved to recommend to the Board reappointment of Tim Driscoll to the Electrical Sub-Council to represent Petrochemical Industry for a term ending January 31, 2025, effective February 1, 2022; CARRIED.

2.1.5. Appointment of Brad Dougherty to represent Labour

Scott Basinger / Nicolas Leblanc moved to recommend to the Board appointment of Brad Dougherty to the Electrical Sub-Council to represent Labour for a term ending January 31, 2025, effective February 1, 2022; CARRIED.

2.2. Disband the AEUC Working Group

Scott Basinger / Lori Monaghan moved to disband the AEUC working group and the remaining work be passed along to the Electrical Utilities Sub-Council; CARRIED.

2.3. Electrical Utilities Liaison

It was noted that this role is to provide a line of communication between sub-councils whose technical disciplines have a lot of connection points. This person would be considered a guest at the EUSC and would not be entitled to vote and would only participate at the Chair’s discretion. The liaison is present to observe, report back to the ESC, raise awareness among EUSC members if a topic is pertinent to the CE Code Part 1, and bring forward any items that the ESC would like to propose to the EUSC.

Nicolas Leblanc volunteered to serve as liaison to the EUSC.

Tim Driscoll / Patrick Conway moved that Nicolas Leblanc be appointed as liaison to the Electrical Utilities Sub-Council; CARRIED.

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: Scott is 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	Basinger	Some of the pertinent documents have been uploaded and the rest will be uploaded shortly. Members were asked to review the proposed change and provide comments and Bert de Bruin volunteered.

4. Matters for Discussion

4.1. EVSE on AC Dandy Load Miser

The submission from the proponent was viewed on screen and it was noted that the Administrator is looking for input on whether a STANDATA should be issued for this topic. It was noted that this code rule is simply providing options for compliance: 8-106 (2) or 8-106 (11) can be used. If confusion on this topic is widespread across the province, a STANDATA could be issued to clarify.

It was suggested issues may arise if AHJs aren't aware that both options are valid. The proponent's question about which rule should be applied was answered through correspondence with various industry members, including members of the pertinent CSA committee. It was agreed that the code rules are clear and there's no need for a STANDATA. This topic is considered closed. The Administrator will reply to the proponent. [Cormier]

4.2. Working Group Reports

4.2.1. Colour Coding

This item was deferred to next meeting as the working group chair is not present.

4.2.2. Non-Metallic Outer Jacket Cables

It was reported that this group has not yet met and will do so prior to the next ESC meeting.

4.2.3. 2021 CE Code Review

It was reported that the group's work is complete and recommendations were previously presented to the ESC.

Ken Forbes / Scott Basinger move to disband the 2021 CE Code Working Group; CARRIED

4.3. BSC Liaison

It was reported that no items related to the electrical discipline were discussed at the last BSC meeting.

4.4. Administrator/AMA Report

The Administrator provided a written report prior to the meeting and the following was highlighted:

- Safety tips are being reviewed by AMA for publication on Council website.
- On overview of upcoming industry meetings was given.
- Utility Memorandums Meeting
 - A municipal utility has asked homeowners for items that are above and beyond the code (ex. a larger conductor size), and this was brought to the attention of the Provincial Electrical Administrator.
 - The technical details of the requests are sound, but there are questions about whether the process is appropriate.

- The items are on the consumer side of the demarcation point.
- This will be added as a discussion item to a future ESC meeting, specifically to gather input on the following questions:
 - Do other municipalities have these same issues?
 - If it is provincial issue and a STANDATA for consistency would be helpful, what code rules would be referenced in the STANDATA?
 - What mechanism or policy tool is the municipal utility using to ask for something beyond what the code stipulates? How would it be enforced if the homeowner doesn't comply?
 - If the item is not related to the code or Safety Codes Act, should SCOs enforce them?

On the topic of aluminium wiring in residences, a member reported that there is an effort from some insurance companies to not insure homes (often rental units) that contain aluminium wiring. The insurance companies are telling owners to re-wire the home with copper. This has not previously been reported as an issue to the Provincial Electrical Administrator, and there is an existing notice on aluminium wiring in houses. Another member reported having documentation regarding an issue with aluminium conductors within range receptacles breaking, despite the receptacles being approved for aluminium wiring. This topic will be added to a future agenda for further discussion. [Council Administration]

Members were asked to research this topic within their industry segments and submit input prior to the next meeting. [All]

4.5. Council Updates

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

- Council office is expected to reopen early in the new year—subject to change.
- 2022-2023 meeting dates have been finalized; please see the final schedule in the portal.
 - April 4 and October 7 are anticipated to be in-person if possible; all others will be held virtually.
 - Members may attend any meetings virtually if needed.
 - October 7, 2022, was noted as a typo in the date list—this should be October 3rd. Council staff will send corrected calendar invite. [Council Administration]

5. Meeting Finalization

5.1. Round Table

- Questions have been posed to Municipal Affairs about solar photovoltaics: If a home has 60 amps of supply authority and 40 amps of solar, would they have a 100 amp service that satisfies Section 8 of the CE Code? The member representing the Solar industry suggested this would not be the case as per Rule 64-112. The electricity generated by solar photovoltaics doesn't count towards the service but does count for loading on the buss bar. It was noted that battery systems that can inject current are expected in the future and will make calculations more complicated. This may be brought forward as a discussion topic if/when it becomes an issue in industry.
- CSA is forming new technical committee on photovoltaics and will be looking for members. The focus for this committee is on specialization rather than general equipment safety. Ed Knaggs will bring more info as it becomes available.

- IEEE IAS ESTMP Workshop is being held March 20-23, 2022, at the River Cree Resort in Edmonton. ESC member Scott Basinger will be participating in panel discussion about life extension of electrical equipment and co-presenting a tutorial on overcurrent protection.
- The Chair wishes all a Merry Christmas and Happy New Year.

5.2. Next Meeting

The next meeting was reconfirmed for February 7, 2022 at 8:30 a.m. via videoconference.

5.3. Meeting Adjournment

The meeting was adjourned at 9:48 a.m.

– NEW ACTION ITEMS –

4.1. EVSE on AC Dandy Load Miser

It was agreed that the code rules are clear and there's no need for a STANDATA. The Administrator will reply to the proponent. [Cormier]

4.3. Administrator/AMA Report

On the topic of aluminium wiring in residences, a member reported that there is an effort from some insurance companies to not insure homes (often rental units) that contain aluminium wiring. This topic will be added to a future agenda for further discussion. [Council Administration]

Members were asked to research this topic within their industry segments and submit input prior to the next meeting. [All]

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– MOTIONS –

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4.2.3. 2021 CE Code Review

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– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (<u>Chair</u>)
Single Family Residential Dwellings (Joint with GSC)	ESC: Barry Voogd, Bert DeBruin GSC: Roy Herrington, Mark Guderjan, Larry Miller
Colour Coding of Conductors	<u>Adam Ghani</u> Bert DeBruin, Gerry Doan, Ken Hood
Non-metallic outer jacket cables re. gap in CE Code Rule 12-500	<u>Bert de Bruin</u> Ken Hood, Gerry Doan, Adam Ghani