



**MINUTES OF THE
THIRD ELECTRICAL SUB-COUNCIL MEETING OF 2018**

DATE: September 17, 2018

TIME: 9:00 a.m. to 12:55 p.m.

LOCATION: Safety Codes Council Office, Edmonton

PRESENT: *Sub-Council Members*
Gerry Wiles, Chair
Don Bradshaw
Larry DeWald
Tim Driscoll
Adam Ghani
Glenn Hedderick, Vice Chair - South
Ken Hood
Nicolas LeBlanc
Allan Nagel
Darcy Teichroeb
Brian Townsend
Barry Voogd

Safety Codes Council
Allison Karch, Susan Rossmann

Alberta Municipal Affairs
Clarence Cormier, Bob Hall, Liz Gillean

REGRETS: Scott Basinger, Vice Chair – North, John Briegel, Stewart Purkis

GUEST: Dean Viens, Get Wired Electrical Services; Patrick Conway, CSA Group

RECORDER: Sandi Orr

2018 MEETINGS: November 5 – 9:30 a.m.

Prior to the start of the meeting, a tour of the Council's new office was provided. Safety and evacuation procedures were explained.

1. Meeting Opening

The Chair called the meeting to order at 9:15 a.m.

1.1 Agenda Adoption

The agenda was included in the portal and reviewed. The following revisions were made:

- 2.3.2. and 2.3.3. were deferred

Ken Hood / Darcy Teichroeb moved to adopt the agenda, as amended; CARRIED

1.2. Adoption of May 7, 2018 Minutes

The minutes were included in the portal and reviewed.

Tim Driscoll / Brian Townsend moved to adopt the minutes of the May 7, 2018 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. CE Code Working Group Recommendation – Draft STANDATA CE Code 64-210(5) and 64-216 (accept as information)

The draft minutes of the CE Code Working Group were included in the portal.

Glenn Hedderick / Nicolas LeBlanc moved to accept the Working Group Recommendations, as information; CARRIED

All nominations for appointments were held in camera.

2.2. Nomination of Lori Monaghan – Municipalities

The nomination was included in the portal.

Tim Driscoll / Darcy Teichroeb moved to recommend to the Board the appointment of Lori Monaghan to the Electrical Sub-Council, representing the Municipalities industry segment, for a term until January 31, 2021, effective immediately; CARRIED

2.3. Working Group Memberships

Recommendations were included in the portal and reviewed.

A discussion was held regarding the processes for appointments to working groups. All working group terms of references are being reviewed to ensure consistency. An overview was provided on the path forward that is being developed for appointments to working groups in the future. It was questioned regarding the nomination processes for working group members and it was noted, at the present, there are no formal nominating organizations. Although candidates can be provided by the Council, members believe it is key that the working group should bring forward membership recommendations to the ESC since the working group has the specialized experience to evaluate potential members' qualifications. It was recognized that the processes are in transition and the terms of reference should set out the processes. It is believed that having experts at the working group level is key. It was clarified that the terms of references should not be too stringent, but there is a need for all of them to be consistent.

2.3.1. Appointment of Brian Townsend to the AEUC Working Group to represent the Electrical Sub-Council for a term ending September 17, 2021, effective immediately

Allan Nagel / Ken Hood moved to appoint Brian Townsend to the AEUC Working Group to represent the Electrical Sub-Council for a term ending September 17, 2021, effective immediately; CARRIED

2.3.2. Appointment of Ken Chao to the AEUC Working Group to represent Major Utilities – Transmission for a term ending June 30, 2021, effective immediately

With no documentation available on the candidate, this item was deferred.

2.3.3. Appointment of Barry Thoms to the AEUC Working Group to represent SCOs for a term ending June 30, 2021, effective immediately

With no documentation available on the candidate, this item was deferred.

2.3.4. Appointment of Brad Van Elsland to the CE Code Working Group representing Electrical Utilities for a term ending September 17, 2021, effective immediately

It was noted this appointment was reviewed and supported by the Working Group but without a quorum they were unable to make a formal recommendation.

Adam Ghani / Nicolas LeBlanc moved to appoint Brad Van Elsland to the CE Code Working Group representing Electrical Utilities for a term ending September 17, 2021, effective immediately; CARRIED

2.3.5. Appointment of Larry Cantelo to the Master Electrician Working Group representing Electrical Inspectors for a term ending September 17, 2021, effective immediately

Darcy Teichroeb / Don Bradshaw moved to appoint Larry Cantelo to the Master Electrician Working Group representing Electrical Inspectors for a term ending September 17, 2021, effective immediately; CARRIED

3. Review Matters Arising/Action List

	Item	Action	Date	Responsible	Status/Update
1.	Crossover with Building Discipline	Provide further information about where Electrical SCOs might inspect Building Code items to the Electrical Sub-Council Liaison to be forwarded to the Building Sub-Council. UPDATE: It was suggested that fire alarms is an area that requires further discussion between the two disciplines.	Nov 7/16	Bradshaw / Wiles	In progress
		Discuss with Don Bradshaw whether he has additional items to bring forward to BSC.	Feb 5/18	Wiles	Repeat of previous action item, remove from action list
		It was requested that the following topics be brought forward to the BSC for discussion: <ul style="list-style-type: none"> • Exterior walls on new construction and not breaking the building envelope • Suggested revisions to STANDATA 14-BCV-012 Oil and Gas Processing Facilities UPDATE: Gerry Wiles reported that he was not in attendance at the last BSC meeting.	May 7/18	Wiles	In progress
2.	CE Code-072 – Concrete Encasements	Revise the RFI for review by the working group and sub-council.	Feb 6/17	Basinger	Deferred
		Consider drafting a Proposed Change to CE Code Part 1	Feb 6/17	CE Code Working Group	Deferred
		City of Calgary may be asked to help redraft the Alberta STANDATA as an interim solution for consideration.	Feb 6/17	Basinger/Ghani	Deferred
3.	Street Lighting and Traffic Control	Compile a complete review of processes throughout the province re. Street Lighting and Traffic Control Infrastructure and will report back to ESC with recommendations within 6 months.	Sep 25/17	Purkis / AEUC Working Group	Deferred

4.	Pictograms of Certification Marks	Bring the following item to the TCC: Consider including all pictograms of certification marks and special inspection labels that are acceptable for use in Alberta, updated annually, include the applicable Standards Council of Canada links, along with including information about Recognized Component marks and the limitations on their use.	Nov 20/17	Wiles	Presented at spring TCC meeting, awaiting AMA response
5.	Power Over Ethernet	Refer the Power over Ethernet submission to the CE Code Working Group for recommendation back to sub-council	Feb 5/18	CE Code Working Group	Deferred
6.	Interpretation of Qualified Persons	Issue an interpretation regarding Qualified Persons for the purpose of Rule 18-004.	Feb 5/18	Cormier	Completed, remove from action list
7.	Field Approvals	Refer the Field Approvals documentation to CE Code Working Group for recommendation back to sub-council	Feb 5/18	CE Code Working Group	Deferred
8.	Demarcation Point between CE Code Part 1 and AEUC	Refer the issue regarding clarification of the demarcation point to the CE Code and AEUC working groups.	Feb 5/18	CE Code & AEUC Working Groups	Deferred
9.	STANDATA 14-BCV-012 Oil and Gas Processing Facilities	Follow up on revisions to the Variance.	Feb 5/18	Council Administration	Completed, remove from action list
10.	Wellhead Process Sealing	Electrical Administrator consider the addition of Wellhead Process Sealing to the Section 18 STANDATA.	Feb 5/18	Cormier	Completed, remove from action list
11.	Medium Voltage Terminations	Forward the Medium Voltage Terminations issue to the CE Code Working Group.	Feb 5/18	CE Code Working Group	Deferred
12.	Corporate-Wide Variances	The Manager of Stakeholder Relations will contact the Director of Codes and Standards to determine whether jurisdiction-wide variances apply to corporations and will report back to the sub-council.	May 7/18	Rossmann / Orr	Included in Variances Presentation, remove from action list
13.	STANDATA Section 18 – Hazardous Locations	Sub-Council recommended publication of the revised STANDATA Section 18 – Hazardous Locations to the Electrical Administrator.	May 7/18	Cormier	Completed, remove from action list

4. Matters for Discussion

4.1. Variances Expectations & Guidance Presentation and Draft Notice

A presentation was provided on variances and highlights of the presentation included:

- Purpose of the presentation and why this is being raised
- What is a Variance
- What is not a Variance
- What to do when a variance is requested
- Reasons to issue a variance
- The role of the Registered Professionals
- Outstanding issues – Jurisdiction-wide variances and discipline specific issues
- Next steps

The floor was opened for questions and the following noted:

- Challenges were explained regarding the great number of uncertified pieces of equipment. Concern was expressed regarding the need for certification bodies to accept these pieces of uncertified equipment and this is not being done.
- It was questioned why jurisdiction-wide variances can only be issued by a municipality and it was explained that corporations can span over several jurisdictions. Only the Administrator can issue a variance that crosses multiple jurisdictions or is province-wide.
- It was noted that an Electrical STANDATA is in place to accept uncertified products and if this policy direction moves forward for all disciplines, then changes to that Electrical STANDATA will be necessary.
- It was recognized that although there is no review of variances, there is a process of bringing concerns to the Council.
- It is believed that the process in place for special inspections in the electrical discipline is effective.

Nicolas LeBlanc / Don Bradshaw moved to accept the presentation as information; CARRIED

4.2. Unintended Omission of CE Code 2015 Rule 10-808 Installation of Equipment Bonding Conductors as Part of the Section 10 Rewrite

Communications were included in the portal from Nansy Hanna – Vice Chair of the Canadian Advisory Council on Electrical Safety (CACES) highlighting an unintended omission of the 2015 CE Code Rule 10-808, “Installation of equipment bonding conductors”, as a part of the Section 10 rewrite.

Although initially it was believed that a STANDATA could be used to bring back this missed portion of the code, it was realized that the requirements within this missed section would have to be through a sub-council recommendation to the Minister.

It was questioned if errata from CSA is anticipated and it was recognized that this isn't simply minor typos, so an errata is unlikely. A discussion was held regarding whether this was intentionally deleted, and it was clarified that it was an unintentional error. However, CSA will not be adding this back into the CE Code until 2021. It was noted that the exact wording from the 2015 code may not necessarily be appropriate.

In this case, the CE Code containing the omission is not yet adopted in Alberta, so there is an opportunity to recommend the inclusion of this section before the code is adopted. It was clarified that rather than through Regulation, there is the potential for this to be addressed through a Ministerial Order. It was suggested that the Chair of Section 10 be consulted regarding this. It was suggested that once wording is determined, this information needs to get out as quickly as possible to industry and SCOs.

Ken Hood / Glenn Hedderick moved to request further information from the Chair of CE Code – Section 10; CARRIED [Chair / Council Administration]

4.3. Street Lighting – Possible Path Forward Using OBIEC

This item was deferred until Scott Basinger is in attendance.

4.4. STANDATA Review to Ensure Alignment with New CE Code

An overview was provided of the process used for reviewing STANDATA and aligning with the new CE Code. The focus has been to remove what is now in the code as well as moving information into different STANDATAs if requirements have been moved to another section of the code.

It was questioned whether these redrafts should be going to the working groups and noted that there was insufficient time for that process. It was agreed that there is time to review this in more detail, but a decision needs to be made at the November 2018 meeting so that the STANDATA are in place by February 1, 2019 when the new code is in force.

The Technical Advisor was thanked for all of his hard work in reviewing and revising the STANDATAs.

4.4.1. 451-CEC-4 rev9: Section 4 – Conductors

The redrafted STANDATA – 451-CEC-4 rev9: Section 4 – Conductors was included in the portal and reviewed. A brief overview was provided of the major changes.

Members were asked to provide any feedback on the proposed redraft to the Administrator and Technical Advisor no later than October 19, 2018. [All]

4.4.2. 452-CEC-6rev7: Section 6 – Services and service equipment

The redrafted STANDATA – 452-CEC-6rev7: Section 6 – Services and service equipment was included in the portal and reviewed. A brief overview was provided of the major changes.

An in-depth discussion was held regarding USE Cables and the potential need for a province-wide variance. Concern was expressed that this might result in a relaxation of the code through a variance, which is not permitted.

Members are to provide any additional feedback on the proposed redraft to the Administrator and the Technical Advisor no later than October 19, 2018. [All]

4.4.3. 454-CEC-10rev10: Section 10 – Grounding and bonding

The redrafted STANDATA – 454-CEC-10rev10: Section 10 – Grounding and bonding was included in the portal and reviewed. It was explained that this STANDATA has undergone an extensive rewrite due to the number of changes in the CE Code. A brief overview was provided of the major changes.

Members are to provide any feedback on the proposed redraft to the Administrator and the Technical Advisor no later than October 19, 2018. [All]

4.4.4. 455-CEC-12rev8: Section 12 – Wiring methods

The redrafted STANDATA – 455-CEC-12rev8: Section 12 – Wiring methods was included in the portal and reviewed. A brief overview was provided of the major changes. The section of the STANDATA regarding Rules 12-1104, 12-1154 and 12-1508 was highlighted regarding accuracy and it was suggested the wording be left as is. Regarding Rule 12-3000 and the change from fittings to bodies, it was suggested that definitions be reviewed.

Members are to provide any additional feedback on the proposed redraft to the Administrator and the Technical Advisor no later than October 19, 2018. [All]

4.4.5. 458-CEC-18rev13: Section 18 – Hazardous locations

The redrafted STANDATA – 458-CEC-18rev13: Section 18 – Hazardous locations was included in the portal and reviewed. Clarification was provided on work still in progress by the CSA Technical Committee on seals. A brief overview was provided of the major changes. Qualified person in Alberta, in relation to this section, is defined as a registered engineering professional who is authorized to engage in the practice of engineering under the Engineering and Geoscience Professions Act and its Regulations. This led to a discussion regarding OH&S already requiring registered engineering professionals if workers are present.

Because area classification would have to be done by an engineering professional, all references that identify classifications have been removed.

Members are to provide any additional feedback on the proposed redraft to the Administrator and the Technical Advisor no later than October 19, 2018. [All]

4.5. 2019 Meeting Dates

The proposed meeting dates were included in the portal. Tentative dates were set as follows:

- Monday, February 11
- Monday, May 6
- Monday, September 16
- Monday, November 18

The following tentative dates were proposed for working group meetings:

- AEUC: April 8, October 21
- CE Code: April 15, October 28
- HazLoc: April 9

Members were asked to provide the Council with any conflicts that could impact a large number of sub-council members by the end of September, 2018. [All]

The 2019 meetings dates will be finalized in October, 2018. [Council Administration]

4.5.1. Meeting Start Times

To align with the Red Arrow schedule between Calgary and Edmonton, a 9:30 a.m. start was proposed and agreed upon.

4.6. Administrator/AMA Report

There was nothing new to report from the Administrator. From a policy perspective, an update was provided regarding the Oil and Gas Code and timely code adoption for the Building, Fire, Elevating Devices, and Energy Codes.

4.7. Council Updates

The following report was provided:

- Effective Meetings Training – October 29, 2018
- Appeals Training – October 30, 2018
- New Member Orientation – November 20, 2018
- An overview was provided on new formatting of the action item list
- The Council Conference will be May 29-31, 2019, at the Rimrock in Banff and any recommendations for speakers would be appreciated
- Gas is the feature discipline for the 2019 conference
- An Open House will be held in December 2018

5. Meeting Finalization

5.1. Meeting and Agenda Feedback

There was nothing new to bring forward.

5.2. Next Meeting

The next meeting was reconfirmed for Monday, November 5, 2018 at the Council's new office at 9:30 a.m.

5.3. Meeting Adjournment

The meeting was adjourned at 12:55 p.m.

-- MOTIONS --

1.1 Agenda Adoption

Ken Hood / Darcy Teichroeb moved to adopt the agenda, as amended; CARRIED

1.2. Adoption of May 7, 2018 Minutes

Tim Driscoll / Brian Townsend moved to adopt the minutes of the May 7, 2018 meeting, as circulated; CARRIED

2.1. CEC Code Working Group Recommendation – Draft STANDATA CE Code 64-210(5) and 64-216 (accept as information)

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Ken Hood / Glenn Hedderick moved to request further information from the Chair of CE Code – Section 10; CARRIED

-- NEW ACTION ITEMS --

4.2. Unintended Omission of CE Code 2015 Rule 10-808 Installation of Equipment Bonding Conductors as Part of the Section 10 Rewrite

Request further information from the Chair of CE Code – Section 10.

[Chair / Council Administration]

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