



**MINUTES OF THE
THIRD ELECTRICAL SUB-COUNCIL MEETING OF 2017**

DATE: September 25, 2017

TIME: 9:00 a.m. to 1:40 p.m.

LOCATION: Radisson Hotel, Edmonton

PRESENT: *Sub-Council Members*
Gerry Wiles, Chair
Scott Basinger, Vice Chair - North
Don Bradshaw
Larry DeWald
Tim Driscoll
Adam Ghani
Glenn Hedderick, Vice Chair - South
Nicolas LeBlanc
Allan Nagel
Stewart Purkis
Darcy Teichroeb
Brian Townsend

Safety Codes Council
Peter Thomas, Allison Karch

Alberta Municipal Affairs
Clarence Cormier, Bob Hall, Liz Gillean, Sidney Manning, Colin Robertson

REGRETS: John Briegal
Roy Etwaroo
Charlene Smylie

RECORDER: Sandi Orr

2017 MEETINGS: November 20

2018 MEETINGS: February 5, May 7, September 17, November 5

1. Meeting Opening

The Chair called the meeting to order at 9:00 a.m.

1.1 Agenda Adoption

The agenda was included in the portal and reviewed. It was recognized that a presentation will be held at 9:30 a.m.

Tim Driscoll / Darcy Teichroeb moved to adopt the agenda, as circulated, with a flexible order of business; CARRIED

1.2. Previous Minutes

1.2.1. Adoption of May 15, 2017 Minutes

The minutes were included in the portal and reviewed.

Tim Driscoll / Scott Basinger moved to adopt the minutes of the May 15, 2017 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Matrix Review

2.1.1. Seat request from Association of Accredited Corporations of Alberta

The request for representation from the Association of Accredited Corporations of Alberta on the Electrical Sub-Council was included in the portal and reviewed. Discussion was held regarding whether the association would already be represented by current members on the sub-council. It was clarified that although their companies may be accredited corporations, they are representing other industry segments.

Tim Driscoll / Nicholas Leblanc moved to recommend to the Board a change to the Electrical Sub-Council matrix to include the Accredited Corporations industry segment with the nominating organization being the Association of Accredited Corporations of Alberta; CARRIED

2.1.2. Merger of UDI and CHBA-Alberta into BILD Alberta

Correspondence was included in the portal regarding the merger of UDI and CHBA-Alberta. It was recognized that the Electrical Sub-Council has only the Electrical for Residential Construction industry segment in their matrix.

Scott Basinger / Adam Ghani moved to recommend to the Board an amendment to the Electrical Sub-Council matrix to change CHBA-Alberta to Building Industry and Land Development (BILD) Alberta as the nominating organization for the Electrical for Residential Construction industry segment; CARRIED

2.1.3. Nominating organizations for Petrochemical Industry and Oil and Gas Processing Industry

History was provided regarding the Energy Industry Electrical Engineering Associates (EIEEA) providing nominees for the Petrochemical industry segment since 2012 without the matrix formally being changed.

Scott Basinger / Nicolas Leblanc moved to recommend to the Board an amendment to the Electrical Sub-Council matrix to change the nominating organization for the Petrochemical industry segment to Energy Industry Electrical Engineering Associates (EIEEA); CARRIED

2.2. Training Course Validation

2.2.1. Electrical Group B, Code Update Training, AEUC 2016 (Course ID# 100177)

Feedback was shown on screen of the suggestions for changes that were provided to the Council.

Allan Blatz / Tim Driscoll moved to approve the course material for the AEUC 2016 Code Update Training (100177) with the corrections as noted in the Feedback Tracker document; CARRIED

3. Review Matters Arising/Action List

3.1. Wireless Switches for Residential Applications Presentation

Marv Verlage and Jim Qualie of Levven Electronics and Doug Horner and Monica Barclay of Timberwolf Advisory Services were welcomed to the meeting.

A presentation was shown on screen regarding wireless switches for resident application in the hope of Alberta becoming a leader for this technology. The objective would be to have a STANDATA issued that allows for a wire free switch as an acceptable method to satisfy the requirements of a wall switch in several rules in the CE Code.

It is believed that the wire free switch satisfies and, in many cases, exceeds the requirements of the rules, including 10+ years battery life and a 1-year notice of battery replacement.

Relative to safety:

- There are fewer electrical connections to fall, short or cause fire
- There is no contact with live wires when adding switches
- Safe “do it yourself” installations
- Multiway switching

In summary, it is believed that wire free switches:

- Meets the rules
- Are safer for people
- Conserve building materials
- Ease pressure on labour

The floor was open for questions and the following was noted:

- The CE Code states it a switch shall make or break current load, so the definition may need to be reviewed
- When clarification was requested from NRC a few years ago, reliability was the reason for it being denied and it is believed the request was specifically relative to stairwells
- Relative to reliability of the product, it was reported that every switch and every receiver has a unique identifier but it is challenging to define reliability expectations
- The manufacturer has used state of the art standards currently available

- The Electrical Inspectors Association of Alberta has been wrestling with this since 2008 and feels we are not keeping up with technology
- The CE Code, Part 1, should not concern itself with the means by which a certified device operates as this is covered by Part 2 of the Code (or other standards) which addresses those acceptable means
- Examples were provided whether wireless technology is already being allowed in other applications

The Acting Director of Codes and Standards explained other tools available through the Standards Council of Canada for other recognized documents, a process not always well understood

The group was thanked for their presentation and advised they will be informed of the outcome after further discussion.

Tim Driscoll / Allan Nagel moved that discussion be held in camera; CARRIED

Allan Nagel / Stewart Purkis moved that discussion return from being in camera; CARRIED

Tim Driscoll / Don Bradshaw moved to recommend to the Electrical Administrator the drafting a STANDATA to consider the use of “wire free switch” technology; CARRIED

The Electrical Administrator will bring a draft STANDATA back to the Electrical Sub-Council for feedback at the next meeting. [Cormier]

3.2 Results of Letter Ballot 05-17

The result of the letter ballot was included in the portal and reviewed.

Larry DeWald / Nicholas Leblanc moved to accept the result of Letter Ballot 05-17 (Validation of Electrical, Groups A & B, Electrical Basics, C C22.1-15 (Course ID #100152) and Electrical, Group A, CEC C22.1-15 (Course ID #100153), as information; CARRIED

3.3 Draft STANDATA Review

3.3.1. BCI Wireless Interconnected Smoke Alarms

It was believed that since the code states “wired”, this should be a variance and not an interpretation.

Don Bradshaw / Tim Driscoll moved to recommend to the Building Administrator and Building Sub-Council that because of the term “wired”, the Building Code Interpretation should be a Building Code Variance and consideration be given to revising the Alberta Building Code to use the term “interconnected” instead of “wired”; CARRIED

3.3.2. BCV-FCV Door Release Hardware for Exit Doors

Feedback was provided regarding the lack of trained personnel in the industry. It was suggested that feedback be provided to the Building and Fire Sub-Councils that the variance is acceptable to the Electrical Sub-Council but caution was expressed regarding the lack of trained personnel in the industry.

3.4. CE Code Adoption Date in Electrical Code Regulation AR 209/2006

A proposed code change was included in the portal and reviewed. Clarification was provided regarding the reason for the first of the following month as not all codes are adopted on the first of the month. As a result, the default is the first of the month following the date of adoption as per the Safety Codes Act. Any deviation to this would require a Ministerial Order.

Colin Robertson will take feedback to AMA for future consideration.

[Robertson]

3.5. Near Miss Reporting – Switching Incidents

Correspondence from the Federation of REAs was included in the portal and reviewed. The Electrical Administrator reported that it is believed this is within the jurisdiction of OHS and not under the Safety Codes Act. This has been forwarded to OHS for consideration.

Allan Nagel / Glenn Hedderick moved to forward this correspondence to the Alberta Electrical Utility Code Working Group for recommendation back to the sub-council; CARRIED [Purkis]

3.6. Oil and Gas Code Working Group Update

The Working Group Chair advised that there was nothing new to report but highlighted the next steps included in the action items from the last meeting.

It was questioned regarding access to the Oil and Gas Code for equipment built in accordance with that code. It was reported that any new installations will have to be in accordance with the new national code but the last published Alberta code will be available for reference.

3.7. Master Electrician Program Working Group Update

The Working Group Chair reported on the last meeting held in July:

- Some positions on the matrix need to be filled:
 - Electrical Contractor representative for Residential (vacant)
 - Learning Institutes (vacant)
 - Potentially Residential SCOs – as the current representative may be retiring next year
- The handbook was reviewed
- Recommendations are forthcoming for the Terms of Reference and this will be brought back to the sub-council for approval
 - To add Government Technical Advisor
 - To change quarterly to “as required” to minimize unnecessary meetings
 - To add the requirement that working group members are “master electricians” registered with the Council
- Reviewing the exam bank to remove questions for building classifications that require engineering
- Reviewing the Permit Regulation

3.8. AEUC Working Group Update

The Working Group Chair reported that they have not met since the last meeting and the next meeting is scheduled next week. Code Update Training is almost ready to go.

3.8.1. Letter regarding Appendix A in the next edition of the AEUC

Correspondence was included in the portal and this will be discussed at the next meeting.

3.8.2. Street Lighting and Traffic Control Infrastructure

A presentation was included in the portal. It was recognized that there are gaps in the process of building, operating and maintaining these assets. Examples of different ownership models were provided. After an in-depth discussion regarding the issues, the following next steps were determined:

- AEUC Working Group will take this issue away and compile a complete review on processes throughout the province [Purkis]
- AEUC Working Group will report back to the sub-council in 6 months with report and recommendations on a path forward [Purkis]

3.9. CE Code Working Group Update

The Working Group Chair reported that there has not been a meeting since the last sub-council meeting. Duct Bank Tables continue to be worked on. It was questioned regarding copyright as it is critical the working group members has access to the code but the members have not signed confidentiality agreements. The Council will follow up on the Council's Code of Conduct and will ensure that it aligns with the CSA copyright agreement and signed by all working group members. [Council Administration]

Copies of the Memorandum of Revisions were requested for the 2015 CE Code for review by the working group. [Council Administration]

3.10. Council Updates

The following was reported:

- An additional person is now in the Sub-Council support role – Gerry Letendre
- The Council will be moving in April 2018, just a few blocks down the street from their current office
- New Member Orientation (November 28, 2017), mandatory for new members
- Effective Meetings Workshops (November 29, 2017)
- Both workshops will be held at the Radisson Edmonton South. Emails have been circulated to all sub-council members. Anyone interested in registering, contact Gerry Letendre (letendre@safetycodes.ab.ca).
- An Appeals Training Workshop is being planned for the fall and further details will be provided. This will be required for anyone that is adjudicating appeals.

3.11. 2018 Meeting Schedule

The following meeting schedule was established for 2018:

- Monday, February 5, 2018 – 9:00 a.m. – Edmonton
- Monday, May 7, 2018 – 9:00 a.m. – Edmonton
- Monday, September 17, 2018 – 9:00 a.m. – Edmonton
- Monday, November 5, 2018 – 9:00 a.m. – Edmonton

4. Review Matters Arising/Action List

Date	Action	Responsible	Status/Update
Nov 7, 2016	Continue working on a draft of a Field Approvals STANDATA for consideration. (E.14.01.16) UPDATE: The Electrical Administrator will review for discussion at next meeting	Leduc/DeWald [Cormier]	In progress
Nov 7, 2016	Discuss proposal for STANDATA regarding Rule # 19-104 & Diagram B3 at Oil & Gas Code working group and bring a recommendation back to the sub-council UPDATE: No longer proceeding with this action item		Remove for action list
Nov 7, 2016	Provide further information about where Electrical SCOs might inspect Building Code items to the Manager of Stakeholder Relations to be forwarded to the Building Sub-Council.	Bradshaw	In progress
Nov 7, 2016	Section 18 STANDATA regarding references to hazardous ammonia is referred to the CE Code working group.	Basinger	In progress
Feb 6, 2017	The draft CEC 19 – Code for Electrical Installations in Oil & Gas Facilities will be included in the portal. UPDATE: No longer proceeding with this action item		Remove for action list
Feb 6, 2017	Review Group B exams for questions that pertain to worker safety rules.	Porth/ Lalonde/ McDonagh	Completed, remove from action list
Feb 6, 2017	Regarding CEC-072 – Concrete Encasements: <ul style="list-style-type: none"> • revise the RFI for review by the working group and sub-council. • Working group to consider drafting a Proposed Change to CEC Part 1 • City of Calgary may be asked to help redraft the Alberta STANDATA as an interim solution for consideration. 	Basinger	In progress
Feb 6, 2017	CEC-075 – 64-112 Submission (F.8.03.16) – submit the proposed change to CEC Part 1.	Basinger/Wiles	In progress
Feb 6, 2017	Investigate the feasibility of using GoTo Meeting for future meetings	Karch	In progress
May 15, 2017	Provide any addition feedback on the Permit Regulation Review presentation to AMA (colin.robertson@gov.ab.ca). UPDATE: Proposed changes are expected to be brought back to all sub-councils.	All	In progress

May 15, 2017	Provide a recommendation to the ESC for recommendation to the Board regarding correspondence to OH&S to inform them of the removal of worker safety rules from the next edition of the AEUC. UPDATE: Completed, item referred back to AEUC	Purkis/Driscoll	Remove from action list
May 15, 2017	Conduct further research and bring forward any recommendations from the colleges, education institutes and AIT regarding the in-force date of the 2018 CEC.	Hedderick	See below for update
May 15, 2017	Conduct further research on definitions (publication date; adoption date; in force date) and will inform the ESC.	Cormier	Closed, remove from action list
May 15, 2017	Revise the existing terms of reference for the Oil & Gas Code Working Group with the mandate to specifically cover subjects related to hazardous locations, Sections 18, 20 and 22 and Appendices F, H, J and L of the CE Code.	Driscoll/Ziarko	In progress
May 15, 2017	Provide feedback about STANDATA 14-BCI--002 directly to the Building Sub-Council prior to their meeting.	Bradshaw	Closed, remove from action list
May 15, 2017	Anyone with concerns regarding STANDATA 14 BCI-022 – Visual Fire Alarm Signals should forward their feedback directly to the Building Sub-Council.	All	Closed, remove from action list
Sep 25, 2017	It was questioned regarding the status of the recommended redrafted STANDATA CEC – 074 (emergency lighting/exit signs) to the Electrical Administrator for consideration. UPDATE: The CEA will review and bring forward at next meeting	Cormier	

Relative to conducting further research and bringing forward any recommendations from the colleges, Glenn Hedderick reported that the colleges still want to be able to teach apprentices the previous code (providing a 6-month grace period) until the September after the code has been adopted and in force in Alberta. This is because of the work needed to change course material, exams, etc. It is uncertain where that 6-month grace period comes from but believed it is listed somewhere. It was reported that AMA could investigate this further with AIT to ensure that this does not create non-compliance with the Act. Glenn Hedderick will take this information back to his colleagues. It was noted that because of the lack of access to the Memorandum of Revisions, one year after the publication date is not enough time to get everything changed. It was suggested that the sub-council could make recommendation that once it is in force, a 6-month transition period be provided or the issue regarding the lack of access to the Memorandum of Revisions be brought forward to the national level on behalf of the education institutes.

5. Meeting Finalization

5.1. Meeting and Agenda Feedback

It was noted that the most recent Memorandum of Revisions was included in the portal. It was suggested this should have been included on the agenda to heighten awareness of the document being available in the portal.

5.2. Next Meeting

The next meeting was reconfirmed for Monday, November 20, 2017 at 9:00 a.m. in Edmonton.

5.2.1. 2018 SCC Conference & AGM

The 2018 AGM and Conference will be held from May 30 to June 1, 2018 at the Rimrock Hotel in Banff. Members were reminded that the Council always welcomes suggestions for speakers and topics. A sponsorship package is being put together and will be distributed shortly.

5.3. Meeting Adjournment

Allan Nagel moved that the meeting be adjourned; CARRIED

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

-- NEW ACTION ITEMS --

3.1. Wireless Switches for Residential Applications Presentation

The Electrical Administrator will bring a draft STANDATA back to the Electrical Sub-Council for feedback at the next meeting. [Cormier]

3.4. CEC Adoption Date in Electrical Code Regulation AR 209/2006

Colin Robertson will take feedback to AMA for future consideration. [Robertson]

3.8.2. Street Lighting and Traffic Control Infrastructure

AEUC Working Group will take this issue away and compile a complete review on processes throughout the province [Purkis]

AEUC Working Group will report back to the sub-council in 6 months with report and recommendations on a path forward [Purkis]

3.5. Near Miss Reporting – Switching Incidents

Forward this correspondence to the Alberta Electrical Utility Code Working Group for recommendation back to the sub-council [Purkis]

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-- MOTIONS --

1.1 Agenda Adoption

Tim Driscoll / Darcy Teichroeb moved to adopt the agenda, as circulated, with a flexible order of business; CARRIED

1.2.1. Adoption of May 15, 2017 Minutes

Tim Driscoll / Scott Basinger moved to adopt the minutes of the May 15, 2017 meeting, as circulated; CARRIED

2.1.1. Seat request from Association of Accredited Corporations of Alberta

Tim Driscoll / Nicholas Leblanc moved to recommend to the Board a change to the Electrical Sub-Council matrix to include the Accredited Corporations industry segment with the nominating organization being the Association of Accredited Corporations of Alberta; CARRIED

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3.5. Near Miss Reporting – Switching Incidents

Allan Nagel / Glenn Hedderick moved to forward this correspondence to the Alberta Electrical Utility Code Working Group for recommendation back to the sub-council; CARRIED [Purkis]

5.3. Meeting Adjournment

Allan Nagel moved that the meeting be adjourned; CARRIED