



Utility Advisory Council Members

LDC/Owner-Operator

| | |
|---------------------------------------|---------------------|
| Alectra Utilities | Joseph Chiuco |
| Elexicon Energy Incorporated | Ken Gallen |
| Enova Power Corporation | Shevan Mustafa |
| Festival Hydro | Bryon Hartung |
| Hydro One - Distribution | Peter Petriw |
| Hydro One - Transmission | Ajay Garg |
| Hydro Ottawa | Edward Donkersteeg |
| InnPower Corporation | Morteza Mirkeshmiri |
| London Hydro | Scott Glazer |
| Newmarket-Tay Power Distribution Ltd. | Eric Andres |
| Toronto Hydro | Sushma Narisetty |

General Interest

| | |
|-----------|---------------|
| CSA Group | Sarzil Rahman |
|-----------|---------------|

Regrets

| | |
|------------------------------|---------------|
| Bell Canada/Telecom Industry | Tony Pereira |
| Consumer Advisory Council | Sandy Manners |
| IHSA | Al Leger |
| Power Workers Union | Patrick Fee |

Quorum 2/3 of voting members (11/16)

Other Attendees

Helen Guo (Ontario Energy Board), Faisal Habibullah (Burlington Hydro), Lori Gallagher (USF), Fred Kouhdani (Hydro One Transmission), Namrata Joshi (Alectra Utilities), Rohit Nehru (CSA Group)

ESA Attendees

Nansy Hanna, Ray Yousef, Jason Hrycyshyn, Patrick Falzon, Mel Pace, Declan Doyle, Patience Cathcart



1 Notice & Quorum

- The meeting had quorum

2 Approval of the Agenda

Motioned by: Bryon H

Second: Shevan M

Agenda Approved

3 Minutes of UAC Meeting

The following motion was carried:

Motion: To accept the minutes of the February 20, 2024 meeting

Motioned by: Shevan Mustafa

Second: Peter Petriw

Motion carried.

4 Review of Open Action Items

- All open action items are on the agenda to be discussed

5 ESA Strategy – Declan Doyle

- ESA's current 5 year strategic plan will be complete in April 2025
- ESA is currently working to set the strategy for the next 5 years
- ESA has surveyed internally and externally (including Advisory Councils)
- It was suggested that ESA keep BESS and new technologies at the forefront of its next 5 year strategic plan

6 Update on the 3-Phase 3-Wire Solidly-Grounded Wye Installations (Action Item 2020-03-01) – Jason Hrycyshyn

- One LDC found some additional sites so the net change is smaller than past updates
- Progress on removing these installation may slow in future updates as ESA is aware that the remaining sites are more complex to resolve

7 Ontario Amendments Update – Patric Falzon

- 2024-OA-013



- When ESA receives notice of a stray voltage issue we ensure that an LEC was hired to troubleshoot the customers equipment before bringing it to the attention of the LDC
- Enforcement date for the 2024 OESC would be May 1 2025

- 8 ESA is looking for feedback from LDC's on their requirements and rationale for PME to be located before the customer's service equipment (Action Item 2023-02-04) – Patrick Falzon**
- This was accepted as an Ontario Amendment
- ESA will permit this until the code is adopted in May 2025. We are recognizing that the change is coming

- 9 Distributor Bulletin: Service Entrance Equipment that is under the control of the equipment owner (Action Item 2022-03-03) – Patrick Falzon**
- A dual access lock (horseshoe lock) is acceptable to use as both the LDC and the customer would be able to access the equipment
- In an emergency situation an LDC may have no choice other than to operate the customer owned equipment.
- In normal situations can't think of a time when the LDC would operate it.
- The UAC asked for a month to review and make comments before the bulletin is finalized

- 10 Connection Authorizations – Mel Pace**
- Sometimes an LDC may receive a phone call from the inspector authorizing the connection.
 - How do we confirm that it is an ESA inspector that is calling to authorize the connection?
- The defect report is coming through snail mail. LDCs asked if the can have it sent by email?
- PSC letters have an ID number on each one. Can the Compliance letter be updated to show the ID number?
- Sometimes we receive a PSC and a compliance review on the same location. Is this normal?
 - The PSC is sent to address the immediate hazard and the compliance review is addressing the why it happened and trying to prevent it from happening again



11 Update on Section 7 & 8 Working Group – Jason Hrycyshyn

- Proposed revision will be at the October 2024 meeting
- Working Group completed 3 of 5 meetings and is on target to complete their work within the expected timeline.

12 Regulation 22-04 - Definition References (Terms) – Jason Hrycyshyn

- There is some confusion around definitions and terms used. For Reg 22/04 a listing of preferred definition sources was provided
- ESA provided a presentation on what terms are used related to Regulation 22/04 items (Guidelines, Bulletins, etc.)

13 Resolution of conflict between Distributor and a Customer equipment owner (Action Item: 2019-03-01) – Jason Hrycyshyn

- This process will be used in cases where the LDC and customer assets support, barrier, etc... LDC equipment.
- ESA will be scheduling internal meetings shortly, then move to external stakeholder meetings.

14 Considerations when changing meters – Patrick Falzon

- ESA provided different scenarios that LDCs may encounter when performing meter changes.
- ESA provided direction on how an LDC can handle the most common things that they may encounter
- In the new AMI 2.0 meters the remote disconnect can be disabled. Does disabling the remote disconnect work for achieving the necessary clearances?
 - o The new meters indicate that they have a remote disconnect and when the gas technicians are there they won't know that it's been disabled
- It is a requirement of the OESC so LECs verify that clearances are met when installing any arc producing device (A/C, receptacle, etc.)
- ESA inspectors look for clearances to arc producing devices as well
- Several meter base SLD configurations were shown

15 AMI 2.0 Meter Changeout – Patience Cathcart

- The LDCs asked for more information on the ESA Podcast and if they can receive notification when a new podcast has been created
- The LDCs agree that pictures are very helpful to convey what ESA is looking for



- What materials do the LDCs need to be able to communicate
 - o Simple visual representation that they can hand to their crews
- Can the LDC submit a picture with the notice to ESA?
 - o Yes, this would be very helpful
- Mobile compliant for address would be great (drop a pin and it would autofill the address)
- For smaller LDCs this is something that happens infrequently. There would need to be a consistent reminder to look for this

16 Loading Standard for Subsurface Chamber and Box Lids (Action Items 2024-01-02, 2024-01-03, 2024-01-04) – Jason Hrycyshyn

- Council doesn't see any issues with the bulletin and thinks it should be published and future revisions can be made if necessary
 - o Had an incident where a cover in a parking lot collapsed under the weight of a vehicle. **Discussion over would this bulletin cover this**, does the OESC cover this, **or** does the OBC cover this?
- The bulletin will be published and updated if necessary

17 Proposed revision to Bulletin DB-04-17-v1 – Patrick Falzon

- The Council asked the other members the following questions:
 - o Has anyone heard of any issues with Generlinks?
 - Sometimes there is an issue with space between houses as it makes the meterbase stick out further
 - Have not had technical issues
 - o Has anyone had any issues with insulation piercing connectors?
 - Council had not heard of any issues
- ESA will provide 1 month for the Council to provide any feedback before publishing the bulletin

18 Guideline Revision Schedule – Jason Hrycyshyn

- The Council felt updating the 2 oldest guidelines would be the best next step
- ESA will send out invitations to join the groups. Members interested in participating
 - o Disconnection of Unused Lines
 - Toronto Hydro
 - Hydro One & Transmission
 - o Proximity to Distribution Lines



Electrical Distribution Safety

- Toronto Hydro
- Hydro One & Transmission
- Discussed including the Excavation Guideline, but was not included in the scope of work.
- ESA will look at a bulletin to address if the expected timelines for providing locates has changed.

19 Energized Equipment Barriers for Temporary Work – Jason Hrycyshyn

- There were no concerns with the updates made
- There was a consensus with Council members that these practices should not be happening
- The council had agreement that the revisions improved the Flash Notice.

June 20, 2024

3-Phase 3-Wire Solidly-Grounded Wye Customer Services Update

Utility Advisory Council
Jason Hrycshyn



3-Phase 3-Wire Solidly-Grounded Wye Customer Services

| FLASH NOTICE #1 | November 2023 | February 2024 | Apr 2024 |
|--|--|--|--|
| Number of Possible Configuration of Concerns | Number of Possible Configuration of Concerns | Number of Possible Configuration of Concerns | Number of Possible Configuration of Concerns |
| ~15,000 | 1,261 | 967 | 964 * |
| Number of LDCs without a Possible Configuration of Concern | Number of LDCs without a Possible Configuration of Concern | Number of LDCs without a Possible Configuration of Concern | Number of LDCs without a Possible Configuration of Concern |
| 12 | 44 | 47 | 47 |

* - 73 sites added by 1 Distributor, 76 sites completed over 2 month period.



Contact Us

Electrical Safety Authority
155 Matheson Blvd. West
Mississauga, ON L5R 3L5

Utility.Regulations@electricalsafety.on.ca

Visit our website: esasafe.com

Visit us on social media:



@homeandsafety



@ElectricalSafetyAuthority



Ontario Amendments

Update
June 20, 2024



Ontario Amendments

- Public Consultation for the Ontario Amendments was from February 29 to May 3, 2024
- A total of 13 proposals were posted
- ESA received numerous comments
- Feedback reviewed and provided to the Ontario Provincial Code Committee (OPCC)
 - 2 were rejected

Ontario Amendments

- 2024-OA-009
- *Add Ontario amendment to Rule 36-200:*
- **36-200 Service equipment *and metering* location** *(see Appendix B)*
 - 1) *Service equipment shall be installed in a location that complies with the requirements of the supply authority and, in the case of a building, shall be at the point of service entrance.*
 - 2) *Metering equipment shall be connected on the load side of the service equipment, except that it shall be permitted on the supply side when the equipment contains the supply authority's revenue metering.*

Ontario Amendments

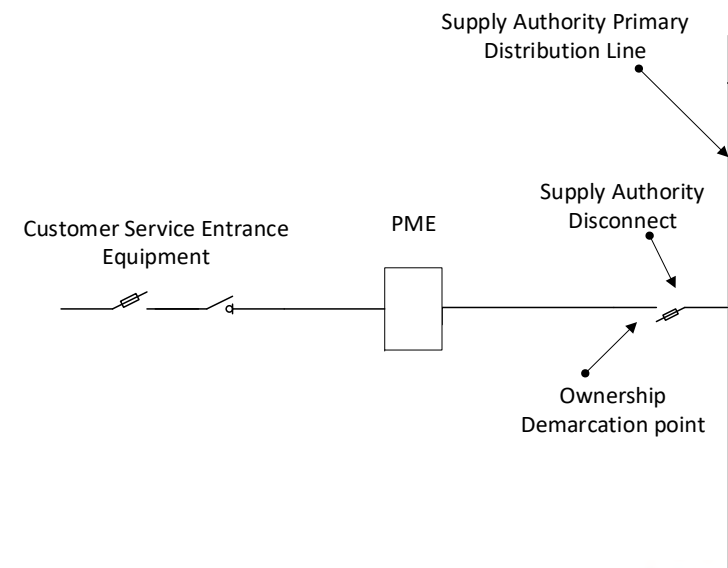
- 2024-OA-009

Add Appendix B to Rule 36-200 2) as follows:

Rule 36-200 2)

Any access to the primary metering equipment (PME) should be coordinated with the supply authority.

Basic service layout identifying Supply Authority's revenue metering ahead of the consumer's service equipment.



Ontario Amendments

- 2024-OA-013

Proposed Change:

Amend Ontario amendment, Subrule 3) of Rule 75-814 and add a new Appendix B note.

75-814 Multiple grounding of system neutral on primary lines (See Appendix B)

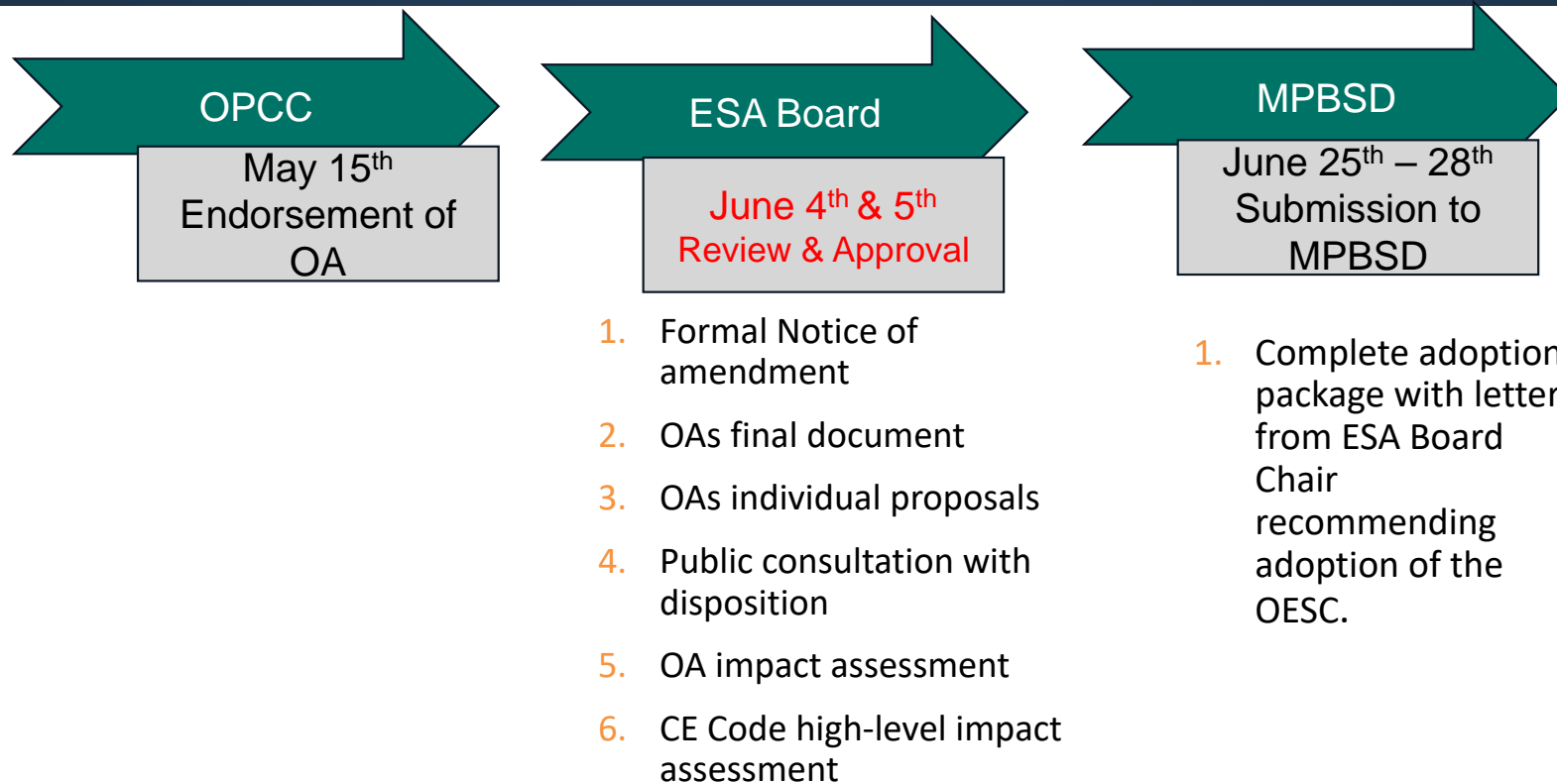
- 1) The system neutral on primary distribution lines shall be multi-grounded.*
- 2) The standard number of grounds per km of circuit shall be four.*
- 3) The neutral voltage to a remote ground at any point under steady-state conditions shall be limited to reduce the risk of shock hazard.*

Amend Appendix B Note to Rule 75-814 3) as follows:

75-814 3)

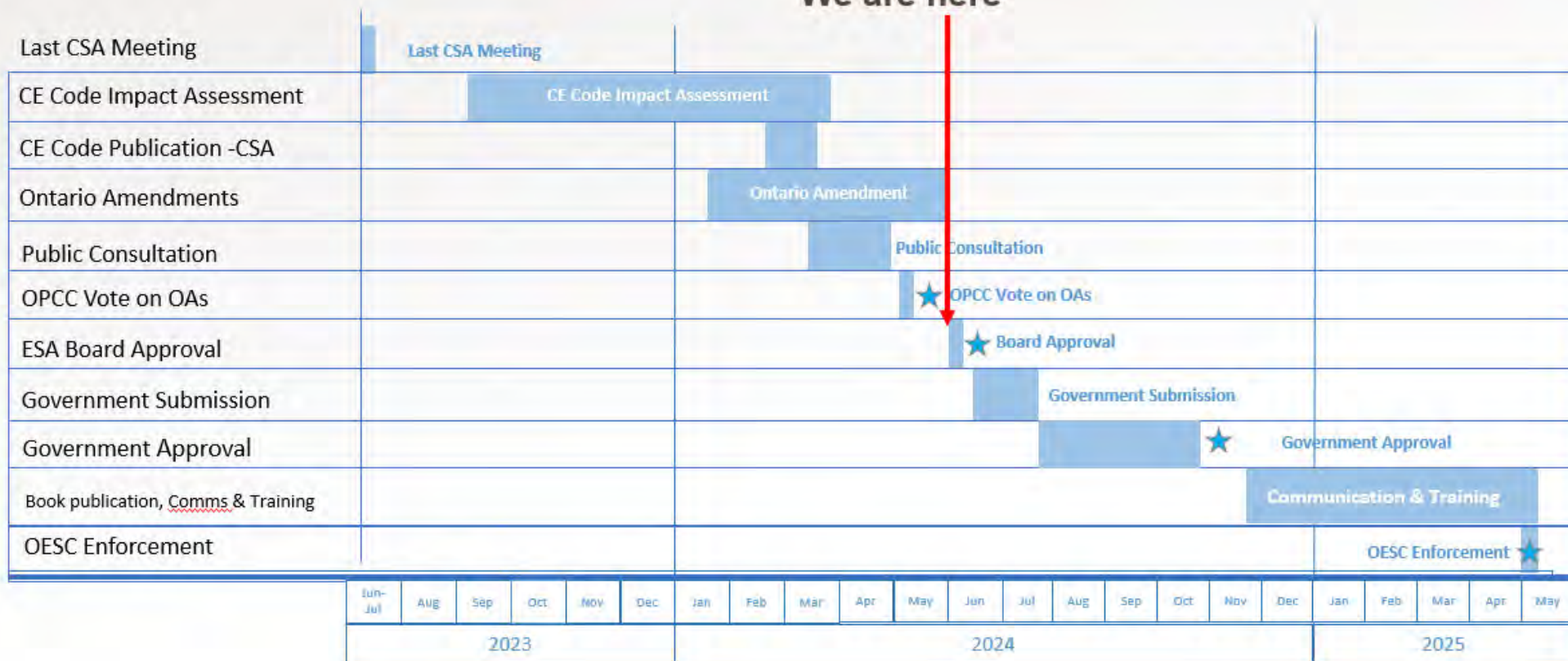
The intent of this subrule is to limit the neutral voltage in order to reduce the risk of shock hazard, property damage or loss. This may be achieved by limiting the neutral voltage to 10 V rms or less measured to a remote ground.

Next Steps



2024 OESC Adoption Timeline

We are here





• Contact Us

- Electrical Safety Authority
- 155 Matheson Blvd. West
- Mississauga, ON L5R 3L5
- Utility.Regulations@electricalsafety.on.ca



Access to Consumer Service Entrance Equipment

Information

June 20, 2024



Access to Consumer Service Entrance Equipment

- New Distributor Bulletin provides OESC requirements for consumers accessing their service entrance equipment
- OESC Rule 6-206 requires consumer service entrance equipment shall be readily accessible.
- Readily accessible is defined in the OESC as capable of being reached quickly for operation, renewal or inspection.

Access to Consumer Service Entrance Equipment



Distributor Bulletin

Creation Date: Month DD, YYYY
Revision Date: Month DD, YYYY

Access to Consumer Service Entrance Equipment

Distribution Company Awareness

The intent of this bulletin is to inform Distributors of the Ontario Electrical Safety Code (OESC) requirements on consumers accessing their service entrance equipment (including a service box).

Introduction

Sometimes Distributors apply their locks on the consumer's service entrance equipment or on substation gates restricting access for the consumer to operate their service entrance equipment at locations such as electrical rooms, or within a fenced in substation. Service entrance equipment (including a service box) includes either fuses and a switch or a circuit breaker.

OESC Rule 6-206 1) b) states that service boxes or other consumer's service entrance equipment shall be readily accessible or have means of operation readily accessible. Readily accessible is defined in Section 0 of the OESC as capable of being reached quickly for operation, renewal or inspection. Distributors should avoid installing their locks that makes the equipment not readily accessible, since this creates a non-compliance with the OESC.



ESA Recommends

- Electrical Distributor's inform and train their field staff on the requirements not to apply locks or means to restrict access to consumer's service entrance equipment.
- Electrical Distributor's review their procedures regarding placing service entrance equipment in areas that Distributors need to make not readily accessible (lock).

STATUS

1 of 1

DB###-Oyy-Ryy-V###-##

DB-##-YY

Website: <https://esssa.ca> E-Mail: Utility.Regulations@ElectricalSafety.on.ca



• Contact Us

- Electrical Safety Authority
- 155 Matheson Blvd. West
- Mississauga, ON L5R 3L5
- Utility.Regulations@electricalsafety.on.ca



Connection Authorizations

Regulation 22/04

Information

June 20, 2024



Connection Authorizations

- OESC Rule 2-012 requires that no supply authority (Electrical Distributor), contractor, or other person connect or reconnect installations unless the installation and all related work are in compliance with the requirements of the OESC and a Connection Authorization (CA) has been issued by the Electrical Safety Authority.
- The ESA observed an increasing number of unauthorized connections made by Electrical Distributors where a CA has not been issued.
- In some scenarios, either a home owner, Licenced Electrical Contractor (LEC) or ESA Inspector had discovered that a service is energized while there was no CA issued from the ESA.
- This represents a high risk of shock and Life and/or Property defect (OESC Rule 2-012)

Connection Authorizations

- The ESA will be issuing a Regulation 22/04 Compliance Review letter for connections made without a CA.
- Procedure Overview:
 - The Electrical Distributor will receive both an OESC defect letter and a Reg.22/04 Compliance Review letter.
 - The letter will be considered closed and final unless the Electrical Distributor can provide proof of an authorized connection by ESA.
 - A management response with a corrective action plan will be requested.
 - Escalation may be pursued by the ESA.

Connection Authorizations



- Contact Us
- Electrical Safety Authority
- 155 Matheson Blvd. West
- Mississauga, ON L5R 3L5
- Utility.Regulations@electricalsafety.on.ca

June 20, 2024

Guideline Revision – Working Group Sections 7 & 8 Information

Utility Advisory Council
Jason Hrycyshyn



Guideline Revision – Working Group

Sections 7 & 8

Update 1

- Working Group has met 3 times.
 - Meeting 1: Established best practices for the group
 - Meeting 2: Reviewed first ½ of a draft, seed guideline.
 - Some changes agreed, others marked for further review.
 - Meeting 3: Reviewed second ½ of the draft, seed guideline.
 - Some changes agreed, others marked for further review

Guideline Revision – Working Group Sections 7 & 8

Update 2

- Working Group scheduled for 2 more meetings, targeting conclusion of meetings for July 22, 2024.
- Working Group will bring the drafted, revised guideline to the UAC for feedback.

Guideline Revision – Working Group Sections 7 & 8

Update 3

- Significant revisions include:
 - Inclusion of multiple bulletins into the guideline;
 - Multiple definition additions, deletions, modifications;
 - Certificate of Deviation & Certificate of Approval modifications;
 - Software-based engineering tools; and
 - Qualified persons & competent persons modifications.



Contact Us

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Definitions and References

Regulation 22/04

Information

June 20, 2024



Definitions and References

- Terminology in ESA published material (Bulletins, Guidelines, etc...).
- Presentation addresses what definitions ESA makes efforts to use in its documentation, for Regulation 22/04. In this industry, terms are defined in multiple documents and they are not always the same.

Definitions and References

Sources for Definitions

- Regulation 22/04 - Section 1 - Interpretation
- CSA CEC Part III Standards
- Distribution System Code (DSC) – Subsection 1.2 - Definitions
- Ontario Electrical Safety Code (OESC)
- Other (e.g. IEEE, Electricity Act, NESC)

Definitions and References

Example 1 - Vault



1. Regulation 22/04 - Section 1 – Interpretation

“vault” means an isolated enclosure, either above or below ground, with fire-resistant walls, ceilings and floors in which transformers and other electrical equipment are housed. O. Reg. 22/04, s. 1.

2. CSA CEC Part III Standards

Vault — an isolated enclosure at grade level inside or outside the footprint of a building with fire-resisting walls, ceilings, and floors for the purpose of housing electrical equipment.

3. Distribution System Code (DSC) – Subsection 1.2 - Definitions

4. Ontario Electrical Safety Code (OESC)

Vault (transformer vault or electrical equipment vault) — an isolated enclosure, either above or below ground, with fire-resisting walls, ceilings, and floors for the purpose of housing transformers and other electrical equipment.

5. Other (e.g. IEEE, Electricity Act, NESC)

Definitions and References

Example 2 – Bonding

1. Regulation 22/04 - Section 1 – Interpretation

2. CSA CEC Part III Standards



Bonding — the electrical interconnecting of metallic parts or conductors in order to keep them at the same potential and to achieve a desired distribution of current within a grounding system.

3. Distribution System Code (DSC) – Subsection 1.2 - Definitions

4. Ontario Electrical Safety Code (OESC)

Bonding – a low impedance path obtained by permanently joining all non-current-carrying metal parts to ensure electrical continuity and having the capacity to conduct safely any current likely to be imposed on it.

5. Other (e.g. IEEE, Electricity Act, NESC)

Definitions and References

Example 3 - Live



1. Regulation 22/04 - Section 1 – Interpretation

“live” means electrically connected to a source of voltage difference or electrically charged so as to have a voltage different from that of the earth.

2. CSA CEC Part III Standards

Live — electrically connected to a source of potential difference or electrically charged to have a potential that is different from that of the surrounding earth and which presents an electric hazard.

Note: In this Standard, the term “live” is sometimes used in place of the term “current-carrying” or “energized”.

3. Distribution System Code (DSC) – Subsection 1.2 - Definitions

4. Ontario Electrical Safety Code (OESC)

Live – see Energized

Energized – electrically connected to, or is, a source of voltage

5. Other (e.g. IEEE, Electricity Act, NESCA)

Definitions and References

Example 4 – Distribution System

1. Regulation 22/04 - Section 1 – Interpretation
2. CSA CEC Part III Standards

3. Distribution System Code (DSC) – Subsection 1.2 - Definitions



“**distribution system**” means a system for distributing electricity, and includes any structures, equipment or other things used for that purpose. A distribution system is comprised of the main system capable of distributing electricity to many customers and the connection assets used to connect a customer to the main distribution system;

4. Ontario Electrical Safety Code (OESC)
5. Other (e.g. IEEE, Electricity Act, NESCA)

June 20, 2024

Customer Equipment Supporting/Barriering Distributor Assets

Information
Utility Advisory Council
Jason Hrycyshyn



Customer Equipment Supporting/Barriering Distributor Assets

Update

- Addresses 2019-03-01: Facilitating resolution of conflict between Distributors and a non-Distributor equipment
- ESA Working Group members have been identified.
- Internal Meetings: Designed to establish best practices and options from an ESA perspective.
- External Meeting: Designed to establish best practices for the industry.
 - UAC will be updated and advice requested.

Customer Equipment Supporting/Barriering Distributor Assets

Potential Examples to Test Best Practices

- Customer-owned pole and Distributor-owned TX.
 - Potentially rotten (lacking strength)
- Customer-owned duct and Distributor-owned conductor
 - Duct separated from a meter base
- Customer-owned vaults and Distributor-owned transformers



Contact Us

Electrical Safety Authority
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Mississauga, ON L5R 3L5

Utility.Regulations@electricalsafety.on.ca

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Considerations when changing meters

Information

June 20, 2024



Considerations when changing meters

- As part of the Advanced Metering Infrastructure (AMI) 2.0 meter changeout program, Distributors should remember the following items when attending a site

Considerations when changing meters

- Line side conduit pulling away from the meterbase exposing Distributor conductors
 - Distributor is responsible to work with their customer to resolve the hazard
- [DB-01-14-v1.pdf \(esasafe.com\)](#)



Considerations when changing meters

- Meterbase jaws breaking
 - Licensed Electrical Contractor (LEC) only permitted to replace/ repair meterbase/ jaws
 - LEC required to take out a notification of work
 - Connection Authorization required
- [DB-06-07-v2.pdf \(esasafe.com\)](#)
- [DB-08-09-v2.pdf \(esasafe.com\)](#)



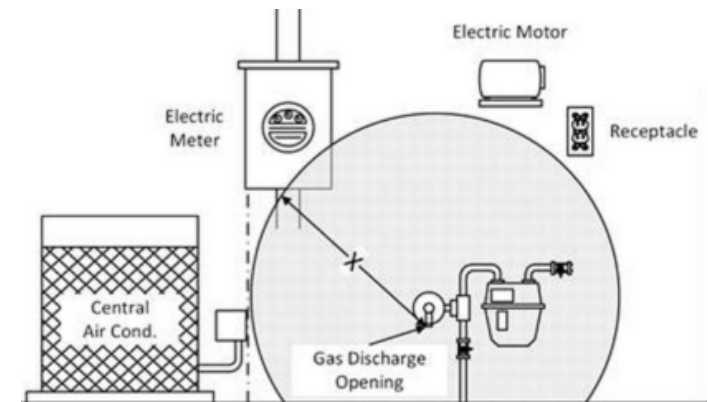
Considerations when changing meters

- Access issues to revenue metering
 - Items such as obstructions and height are required to be addressed by the Distributor directly with their customer
 - LEC will be required along with notification of work and connection authorization when altering meterbase
- [DB-06-10-v2.pdf \(esasafe.com\)](#)



Considerations when changing meters

- Metering near combustible gas equipment
 - Meters with load breaking capability are considered as arc producing equipment
 - Verify 3 FT (1m) clearance to natural gas discharge opening
 - Reduction if equipped with overpressure shut off device
- [2-10-* Electrical equipment near combustible gas equipment \(esasafe.com\)](#)
- [DB-03-19-v2.pdf \(esasafe.com\)](#)



Considerations when changing meters

- Multiple conductors under one lug
 - Not rated for more than one conductor





• Contact Us

- Electrical Safety Authority
- 155 Matheson Blvd. West
- Mississauga, ON L5R 3L5
- Utility.Regulations@electricalsafety.on.ca



UAC

Patience Cathcart, PSO
June 20, 2024.



Meterbases

Issue: Incorrectly wired meterbases or incorrect meterbase for the application

Completed Mitigating Activities:

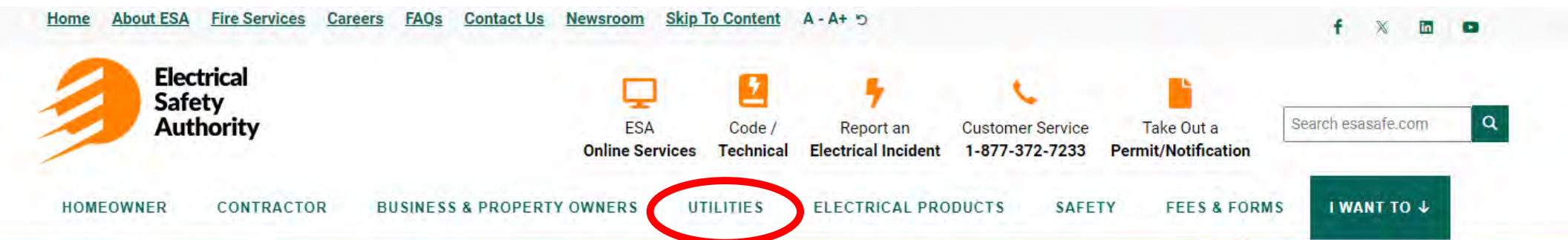
- Bulletins, PluggedIn, Toolbox Talks, key stakeholder outreach

Planned Mitigating Activities:

- Work with ElectroFed
- Direct email to LECs and Podcast

Request

Report through our website when you find an unsafe installation at a site



Click on the Utilities tab

Report a Meter Base



Enter the address



Submit



ESA compiles the
information to
communicate with the
LECs who have done
the work to fix it





Loading Standard for Subsurface Chamber and Box Covers

Regulation 22/04

Feedback

June 20, 2024



Loading Standard for Subsurface Chamber and Box Covers

- Last UAC Meeting (Feb 2024) the council recommended 3 Action Items
 - ACTION ITEM 2024-01-02: Discuss the at the upcoming C22.3 No. 7 TC meeting.
 - ACTION ITEM 2024-01-03: Discuss at the upcoming Provincial Labour Management (Section 21) committee meeting.
 - ACTION ITEM 2024-01-04: Draft a bulletin with the input from on the Loading Standard for Subsurface Chamber and Box Lids.

Loading Standard for Subsurface Chamber and Box Covers

- ACTION ITEM 2024-01-02: Discuss the at the upcoming No. 7 TC meeting

Result: WG members assigned to review and make recommendations to the Technical Committee.

Loading Standard for Subsurface Chamber and Box Covers

- ACTION ITEM 2024-01-03: Discuss at the upcoming Provincial Labour Management (Section 21) committee meeting.

Result: Discuss and MLITSD has updated a draft alert, final approval need before releasing onto website.

It will be directed at the constructor. They have a responsibility to ensure safety of the mobile equipment if they drive over the covers or recommending not to drive over the covers at all.

Loading Standard for Subsurface Chamber and Box Covers

- ACTION ITEM 2024-01-04: Draft a bulletin with the input from on the Loading Standard for Subsurface Chamber and Box Lids.

Result: Draft generated reviewed with Scott G. The draft was included in the pre-meeting material for the UAC.



Meter-Base Plug-in Transfer Device DB-04-17-v1

Information

June 20, 2024



Meter-Base Plug-in Transfer Device

- Distributor Bulletin revised to include:
 - If a notification of work is required and
 - Who is permitted to install the meter-base plug-in transfer device.



Meter-Base Plug-in Transfer Device

- Exemption under OESC Rule 2-005 f)
 - A notification of work is not required for the installation of a meter-base plug-in transfer device, when installed by a Licenced Electrical Contractor (LEC) and in accordance with the requirements of the supply authority
- Appendix B note provides additional information:
 - Some supply authorities do not permit the installation of the transfer device
 - Some supply authorities requires a notification of work and connection authorization

Meter-Base Plug-in Transfer Device

- The exemption does not apply to home owners. A notification of work will be required along with ESA issuing a connection authorization
- The installation of a meter-base plug-in device is not permitted to be installed by the Distributor unless they meet the requirements of O. Reg 570/05 (Licensing of Electrical Contractors)
 - Non-compliant with the OESC with respect to connecting without authorization, O. Reg 570/05 and the Electricity Act.
 - Enforcement order may be applied against the Distributor.

Meter-Base Plug-in Transfer Device



Distributor Bulletin

Meter- Base Plug-in Transfer- Device

Distribution Company Awareness

This bulletin shall replace Information Bulletin DB-04-17-v1. It is recommended that copies of DB-04-17-v1 be destroyed and replaced with this bulletin.

The intent of this bulletin is to clarify the process that Electrical Distributors must follow when reconnecting power after the installation of a consumer owned meter-base plug-in transfer device. It is also to clarify who is permitted to perform the work related to installing the device. This type of equipment can only be used if pre-approved for use, by the Electrical Distributor.



Detailed Information

Approved, consumer owned meter-base plug-in transfer devices that plug directly into a consumer's meter base are available. The Electrical Safety Authority (ESA) considers the following as acceptable requirements to meet the Ontario Electrical Safety Code (OESC) (Rule 2-024 – Approval of Electrical Equipment) for meter-mounted transfer devices, for Ontario:

- Field Evaluation by a recognized Field Evaluation agency (Inspection Body), or
- Certification to UL Standard, UL1008M.

These devices provide a means to safely connect standby power to homes in the event of a temporary grid power outage, similar to other transfer devices (transfer switches).

The installation of consumer owned meter-base plug-in transfer device falls under the requirements of the OESC.

XXXX, 2024 1 of 2 Bulletin DB-04

Provincial Office: 155A Matheson Blvd. West, Suite 200, Mississauga, Ontario L5R 3L5
Website: <https://esasa.on.ca> E-Mail: Utility.Regulation@ElectricalSafety.on.ca



Distributor Bulletin

Notification of work for ESA inspection is not required (OESC Rule 2-005 f) if installed:

- by a Licensed Electrical Contractor (LEC) in accordance with Ontario Regulation 570/05, and
- in accordance with the requirements of the supply authority (Electrical Distributor).

A Connection Authorization is not required when the installation does not require a notification for inspection in accordance with OESC Rule 2-005 f).

The exemption provided by OESC Rule 2-005 f) **does not** apply when the consumer owned meter-base plug-in transfer device is installed by a homeowner. They will be required to file a notification of work, to perform the work themselves and ESA will issue a Connection Authorization once the installation is safe to be connected to the distribution system. Appendix B note to Rule 2-005 f) provides additional information.

OESC excerpt to Appendix B Rule 2-005 f):

Some supply authorities do not permit the installation of a meter-base plug-in transfer device or require a connection authorization. Therefore, it is the responsibility of the licensed electrical contractor to ensure the supply authority permits the use of meter-base plug-in transfer devices and to verify if a notification needs to be filed for the purpose of connection authorization for the installation of these devices.

The installation of a consumer owned meter-base plug-in transfer device is **not permitted** to be installed by the Electrical Distributor. Electrical Distributors with affiliate companies that meet the contractor licensing requirements as per Ontario Reg. 570/05 are permitted to undertake such installations.

In the absence of meeting this requirement, the Electrical Distributor will be non-compliant with the OESC with respect to connecting without authorization, Ontario Reg 570/05 and the Electricity Act if they perform such work, and accordingly, enforcement orders may be applied against the Electrical Distributor.

Recommendations

Electrical Distributors should inform their operations staff on the requirements for consumer owned meter-base plug-in transfer devices.

XXXX, 2024 2 of 2 Bulletin DB-04

Provincial Office: 155A Matheson Blvd. West, Suite 200, Mississauga, Ontario L5R 3L5
Website: <https://esasa.on.ca> E-Mail: Utility.Regulation@ElectricalSafety.on.ca



• Contact Us

- Electrical Safety Authority
- 155 Matheson Blvd. West
- Mississauga, ON L5R 3L5
- Utility.Regulations@electricalsafety.on.ca

June 20, 2024

Priorities for Guidelines to Revise Feedback

Utility Advisory Council
Jason Hrycyshyn



Priorities for Guidelines to Revise

Oldest Guidelines

- **Guideline for Disconnecting Unused Lines (2005)**
- **Guideline for Proximity to Distribution Lines (2005)**

Notes for Council Consideration

- **Section 6 Guideline (2008)** – Completes Technical Guideline (6, 7 & 8).
- **Annual Audit Guideline (2014)** - Can address standardization of the Audit Reports
- **Change of Ownership (2008)** – Can add additional information

Priorities for Guidelines to Revise

Newest Guidelines Reviewed

- Guideline for Sections 7&8 (2024 - expected)
- Guideline for Distributed Energy Resources (2023)
- Guideline for Third Party Attachments (2023)* (* Denotes currently under review for adoption)
- Guideline for Excavating in the Proximity of Underground Distribution Lines (2022)
- Guideline for Declaration of Compliance (2021)

Council feedback regarding next Guideline to review



Contact Us

Electrical Safety Authority
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Mississauga, ON L5R 3L5

Utility.Regulations@electricalsafety.on.ca

Visit our website: esasafe.com

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Energized Equipment Barriers for Temporary Work

Regulation 22/04

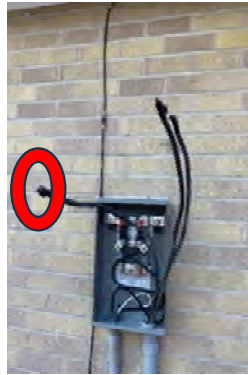
Feedback

June 20, 2024



Energized Equipment Barriers for Temporary Work

- ESA received some addition feedback regarding this proposed Flash Notice, after the Feb. UAC Meeting.
- Feedback included concerns regarding sending to all Distributors



Energized Equipment Barriers for Temporary Work

- As always, ESA appreciates all feedback and seeks the council's advice on this topic.
- Discussion Points
 - With an objective-based regulation the Regulator establishes minimum requirements.
 - The draft perhaps should have included that the figures depict **atypical** temporary work.
 - ESA did collect multiple, similar pictures and did bring the issue forward to the UAC. (Feb 2024 – Meeting Minutes – did capture “that ESA should bring this to the attention of the industry”).

Energized Equipment Barriers for Temporary Work

- Next Steps

- ESA has provided an updated copy of the Flash Notice for UAC review. (redlined text are edits from the previous UAC).
 - Adopted feedback from reviewers.
- ESA is interested to obtain advice regarding
 - Length of time to post; and
 - The proposed edits from the previous UAC meeting.
 - Depicts atypical temporary work.
 - Removes the 2 references to see the figures above.