

CERTIFICATION Notice

An Urgent Bulletin from CSA Group

Switchgear Assemblies No. 9

Effective Date: April 20, 2023

Date: May 24, 2018

Apply Before October 20, 2022

Announcing: Publication of CSA Standard C22.2 No. 31-18, Switchgear Assemblies

See Attachment 1 for affected Class Numbers.

To purchase the Standard, visit us at www.shop.csa.ca

Who is affected?

Manufacturers of switchgear assemblies and gas-insulated switchgear assemblies.

What do you do?

1. The revisions outlined in this Certification Notice will not require testing, but will require updates to your Certificate(s) of Compliance & Report(s). CSA Group Service Delivery staff will contact you to address compliance with each revision as applicable to the product designs covered in your affected Certification Reports.
2. Please respond within thirty (30) days of receiving CSA Group's "Application for CSA Certification Services" and "Quotation" communication. You must respond no later than October 20, 2022 in order to guarantee the update to your certification is completed by April 20, 2023.

Approvals:

All products currently certified to previous editions of CSA C22.2 No. 31 and TIL CSA D-06 will need to be resubmitted to update product descriptions and review any products with observation/viewing windows.

Major Revisions:

See attachment 2

Background and Rationale:

This Notice announces the publication of CSA Standard C22.2 No. 31-18, Switchgear Assemblies which supersedes the previous edition, C22.2 No. 31-14, and all previous editions of the standard. In addition, the requirements in TIL CSA D-06, Interim Requirements for Working Space for Draw-Out Type Equipment, have been incorporated into the standard. TIL CSA D-06 has now been superseded by CSA C22.2 No. 31-18.

For questions specific to your file or products contact your CSA Group technical staff associate.

Go to <http://www.csagroup.org/services/testing-and-certification/product-listing/> and enter your Master Contract # and the class numbers associated with this Notice to determine which of your products are affected.

For technical questions on this Certification Notice

Contact Mike Lusk
by phone 1-910-590-9666, fax 704-552-0683
or e-mail mike.lusk@csagroup.org

The standard edition or amendments announced in this Notice may be used for certification as of the date of issue of this Notice. The "Effective date" in this Notice is the date on which the current requirements, applicable to Certified products listed in the affected class numbers, expire and the standard edition or amendments announced in this Notice become the only requirements that may be used for certification.

In the event that currently certified products do not comply with the latest requirements outlined in this Notice after the "effective date", the certification of such models may be discontinued.



Visit us at www.csagroup.org where you can click on "Contact Us" for the online phone listing of our Offices and Partners.

ATTACHMENT 1

Affected Class Numbers

Class No:

4641 01, SWITCHGEAR ASSEMBLIES -

4641 30, SWITCHGEAR - Sub-Assemblies-Components Acceptance

4641 81, SWITCHGEAR ASSEMBLIES - Certified to US Standards

4641 90, SWITCHGEAR - Sub-Assemblies-Components Acceptance – Certified to US Standards

ATTACHMENT 2

Major Revisions

The new edition of the standard C22.2 No. 31-18 incorporates the following major revisions:

*Note: Items in **BOLD** may require review of existing certified products.*

Clause(s)	Changes
Previous 1.3, New 4.1.1	Removed clause 1.3 referencing CE Code Part II (moved to new clause 4.1.1)
2	Reference Publications updated and additional standards such as C22.2 No. 268 and IEEE standards added.
3	Definition for Tamper-Resistant Switchgear added.
Previous 4.1.2 and 4.1.3	Clauses deleted (moved to 4.8).
4.2	Section 4.2 renumbered (from previous 4.1.6) to distinguish as specific for Outdoor Switchgear (no change in technical content).
4.4.2	Added exception to mechanical supports to allow hardwood cable support blocks.
Previous 4.4.3	Clause deleted (incorporated into 4.17.3)
Previous 4.6.2	Clause deleted (moved to 4.8).
Previous 4.6.4- 4.6.6	Clauses deleted (moved to 4.8).
Previous 4.6.9	Clause deleted (moved to 4.8).
Previous 4.6.12-4.6.13	Clauses deleted (moved to 4.8).
4.8	New Section created to pull together disparate requirements (noted above) regarding circuit breakers and switches (no change in technical content).
4.17	New Section with requirements for Viewing Windows (requires review of existing products with viewing/observation means). Added allowance, including requirements and possible testing, for polycarbonate windows.
5, 7.3	Note on bi-lingual markings added. Subsequent specific French Markings removed in lieu of Annex A entries.
5.16	New requirement for marking instructions for cleaning of polycarbonate windows, if applicable.
6.3	New test requirement for ultraviolet resistance for polycarbonate windows, if applicable.
6.4	New test requirement for impact resistance for all windows.

Clause(s)	Changes
7.2.2	Requirement for automatic transfer switches refined to reflect locally generated power supply as alternate source.
7.5.2	Suitable short circuit testing requirements from UL 1558, replaced with ANSI C37.51 (UL 1558 itself references this document for test requirements).
7.5.3	Reference to TIL D-34 replaced with C22.2 No. 268, which supersedes it.
8.2.1	Various requirements moved from previous order within this section (no technical change).
8.2.1.11	New requirement for public access switchgear to comply with IEEE C57.12.28.
Previous 8.3.9	Marking requirement moved into Markings Clause in new 8.4.6.
8.4.7	New tamper resistant marking added, if applicable per 8.2.1.11.
Annex A	French translations of markings provided (most pulled from previous individual clauses).
Annex C	Suitable impulse testing per IEEE 4 now noted as acceptable. Corrections and cleanup of Table C.1. Addition of illustrative example for applying Annex C.
Annex F	Updates in regards to viewing windows and pressure relief devices (including changes to gas pressure test, if applicable)