

CERTIFICATION Notice

An Urgent Bulletin from CSA Group

Transformers No. 7

(Supersedes Certification Notice "Transformers No. 6")

Date: November 7, 2013

Effective Dates: See Attachment 1

Apply Before September 30, 2017

Announcing: Publication of Update No. 1 to CSA C22.2 No. 66 series and Revision to UL 5085 Series dated November 20, 2012

See Attachment 2 for affected Class Numbers.

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

Who is affected?

Manufacturers of Specialty Transformers.

What do you do?

1. 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. In addition to updates to your Certificate(s) of Compliance & Report(s), testing may be required to comply with these revisions.
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 September 30, 2017 in order to guarantee the update to your certification is completed by April 30, 2018. If testing is needed, we will inform you of the samples required.

Revisions:

See attachment 3

Background and Rationale:

During the regular review and maintenance cycle of the harmonized standards, it was noted that there were several areas in the standards where the requirements were either redundant and/or not clear or that additional clarification is needed.

Revisions to the standard to correct the above stated deficiencies also included corrections to typographical errors.

For questions specific to your file or products contact your regular CSA Group engineering staff.

Go to <http://www.csagroup.org/us/en/services/testing-and-certification/certified-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 Eng Yap
by phone 604.244.6645, fax 604. 244.6600
or e-mail eng.yap@csagroup.org

In the event your models do not comply with the effective standards, arrangements must be made to bring them into compliance.

In the event we do not receive a response as to your currently certified models, prior to the above applicable effective date(s), the certification of such models will be discontinued.



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

ATTACHMENT 1

Effective Dates

Certification for Canada and the U.S.A.

1. Customers may, if they wish, make an application at any time to have their transformers evaluated or re-evaluated to the updated requirements of CSA No. 66.1/UL 5085-1 and either CSA No. 66.2/UL 5085-2 or CSA No. 66.3/UL 5085-3 as applicable.
2. Until April 30, 2018, Certification may be issued to either the current editions of CSA No. 66.1/UL 5085-1 and either CSA No. 66.2/UL 5085-2 or CSA No. 66.3/UL 5085-3 as applicable, or to the current editions including Update No. 1.
3. After April 30, 2018, all new applications will be required to be evaluated to the requirements of CSA No. 66.1/UL 5085-1 and either CSA No. 66.2/UL 5085-2 or CSA No. 66.3/UL 5085-3 including Update No. 1.

ATTACHMENT 2

Affected Class Numbers

Class No:

- 5411 04 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Miscellaneous
- 5411 06 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Power
- 5411 31 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Linear Power
- 5411 32 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Power Supplies - Switch Mode
- 5411 84 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Miscellaneous - Certified to US Standards
- 5411 85 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Oil-Burner Ignition - Certified to US Standards
- 5411 86 : TRANSFORMERS, POWER SUPPLIES AND BALLASTS - Transformers - Power - Certified to US Standards
- 5418 01 : TRANSFORMERS - For Hazardous Locations
- 5418 02 : TRANSFORMERS - Lighting - For Hazardous Locations
- 5418 03 : TRANSFORMERS - Power - For Hazardous Locations
- 5418 81 : TRANSFORMERS - For Hazardous Locations - Certified to US Standards
- 5418 83 : TRANSFORMERS - Power - For Hazardous Locations - Certified to US Standards
- 5421 01 : TRANSFORMERS - Class 2
- 5421 81 : TRANSFORMERS - Class 2 - Certified to US Standards
- 5441 31 : TRANSFORMERS - Linear Power
- 5441 32 : TRANSFORMERS - Switched-Mode Power
- 5441 33 : TRANSFORMERS - Signal Isolating
- 5441 34 : TRANSFORMERS - Telecom Network Isolating
- 5441 91 : TRANSFORMERS - Linear Power - Certified to US Standards
- 5441 92 : TRANSFORMERS - Switched-Mode Power - Certified to US Standards
- 5441 93 : TRANSFORMERS - Signal Isolating - Certified to US Standards
- 5441 94 : TRANSFORMERS - Telecom Network Isolating - Certified to US Standards

ATTACHMENT 3

Revisions

CLAUSE	SUMMARY OF CHANGE/S
CSA C22.2 No. 66.1-06 (R2011); ANSI/UL 5085-1:2006	
6.2.2	Deletion of clause due to current wording being too vague and subject to different interpretations. The factors to be considered are already in other parts of the standard.
6.3.1	Reference to the enclosure standard expanded to include the new Tri-National Standard for Enclosures for Electrical Equipment, Environmental Considerations, CAN/CSA C22.2 No. 94.2/NMX-J-235/UL 50E.
6.4.3; 6.4.4	Rewording of the 2 clauses to remove redundant statements and keep pertinent requirements.
8.4.1	Addition of a reference to the insulated conductor ampacity table added as new Table 15.
8.5.6; 10.1	Clarification of requirements by aligning Clause 10.1 with Clause 8.5.6.
11.1.3	Clarification by adding the word "winding" to the Note 2 of Clause 11.1.3 to ensure that the user of the standard understand that the section is applicable to spacings only within the windings.
17.1.6	Deletion of the Marking Requirements in Clause 17.1.6. The requirements for markings are already detailed in Clause 17.1.5.
20.1; 20.2	Revision of the S.I unit for weight in Clause 20.2 to be consistent with Clause 20.1.
20.1	Clarification of the sample requirements for the Pullout, Bending and Twisting Tests to describe that each of the identified test is to be performed on separate samples.
Table 4	Correction of typographical error in the last column of Table 4. The heading for thickness should be "Minimum" instead of "Maximum"
Table 15	New table 15 added since there is currently no insulated conductor ampacity table in the standard. Ampacity table was extracted from UL 506.
CSA C22.2 No. 66.2-06 (R2011); ANSI/UL 5085-2:2006	
8.5.9	Clarification of requirements for transformer leads. Component lead wires shall be a minimum 18 AWG but 22 AWG is allowable if provided with a wiring compartment of is intended to be mounted on an outlet box.
14.3c)	Deletion of the references to the United States only for the supply cord usage types. The applicable usage types are as designated by CEC C22.1-12, Table 11 for Canada and NEC NFPA 70-2011, Table 400.4 for the United States.
26.6	Correction of incorrect requirements in Clause 26.6. The lowest voltage full capacity tap should be used when performing the Temperature Test.
29.1.3	Deletion of the last sentence of the paragraph as it was deemed to be unnecessary. The clause is a requirement for the tester capacity and not a test compliance requirement.
29.2.1	Correction of incorrect references to the Part 1 clauses. References to Clauses 26.1 and 26.2 modified to read "Clauses 25.1 and 25.2".
32	Clarification of the applicability of Clause 32. The word "Cord" which was inadvertently left out during development of the standard has been re-instated.
37.1	Correction of incorrect reference to Clause in Part 1. The reference to Clause 6.4.3 was modified to read "Clause 6.4.2"
Table 8	Correction to the maximum allowable temperature limit for a Class 120(E) transformer rated 10 kVA and less, from 80°C to 85°C based on a 25°C ambient and 10°C hot-spot differential.

Table 9	Addition of the temperature limit for Class 220(R) insulation systems for transformers rated more than 10 kVA.
CSA C22.2 No. 66.3-06 (R2011); ANSI/UL 5085-3:2006	
1.3	Correction of the exemption under section c) to clarify that a Class 3 type transformer (for the United states) can be of the cord-connected type.
11.6	Addition of requirements under Clauses 11.6.1 and 11.6.2 for the separation of Class 2 circuits with other types of circuits. Existing requirements from the CEC and UL 1585 were used.
29.1; 29.2	The test condition phrase “under rated load conditions” is confusing and has been removed since the calibration test is performed under an overload condition. Also, the last sentence in Clause 29.2 is a repeat of the requirement which is already in Clause 29.1.
34.1	Typographical correction for requirement based on CSA C22.2 No. 66 Clause 7.10.3.6.1 which requires that Dielectric Voltage-Withstand test to be performed within 10 seconds of completion of the Overload Heating Test.
Table 7	Correction of the maximum allowable temperature rise for a Class 120(E) insulation system in Table 7 from 75°C to 85°C (resistance method) and 65°C to 75°C (thermocouple method) based on a 25°C ambient and 10°C hot-spot differential.
Annex D1.4	Addition of a Leakage Current Test for cord-connected Class 3 transformer requirements under Annex D.