

CERTIFICATION Informs

An Urgent Bulletin from CSA Group

Ref No: I19-041

Functional Safety and Software No. 4

(Supersedes Notice Arc Fault Protective Devices No 1 Ref No: N15-054 and Informs Functional Safety and Software No 1, Ref No: I12-077)

Existing Certification not affected

Date: May 1, 2019

Apply any time to have your products evaluated

Announcing: Publication of the Fourth Edition of CSA Standard C22.2 No. 0.8-19, Safety functions incorporating electronic technology

See Attachment 1 for affected Class Numbers.

To purchase the Standard, visit us at store.csagroup.org

Who is affected?

Manufacturers of products where the safety control functions use electronic hardware, or electronic hardware and software.

What do you do?

1. This publication outlines certification revisions that do not affect your currently certified product designs.
2. Please contact CSA technical staff if you have questions or need information concerning this publication and how it applies to you.
3. If you would like to arrange for an evaluation of new products to the revisions, initiate a certification project by contacting our Client Services Centre at 1-866-797-4272. Please supply appropriate supporting documentation*. If

testing is needed, we will inform you of the samples required.

*which includes technical information, company name, address, factory locations and CSA file number or master contract number (if assigned), and any other relevant documentation.

Introduction:

This standard has been formally approved by the CSA Technical Committee.

As of May 1st, 2019 new certifications and report updates that refer to CSA C22.2 No. 0.8 shall comply with the fourth edition, dated 2019.

Background and Rationale:

This update includes the following changes:

See attachment 2

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

Go to <https://www.csagroup.org/testing-certification/product-listing/> and enter your Master Contract # and the class numbers associated with this Informs to view your certified products.

For technical questions on this Informs

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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

Note: Additional class numbers may be affected i.e. new certifications and report updates that refer to CSA C22.2 No. 0.8 shall comply with the fourth edition, dated 2019

Class No:

1211 01, COMFORT CONDITIONING EQUIPMENT - Air Cleaners - Electrostatic
2632 01, FUEL BURNING EQUIPMENT (GAS) - Gas Burners, Electrical Equipment for Accessories
2632 02, FUEL BURNING EQUIPMENT (GAS) - Gas Burners, Electrical Equipment for Accessories
2641 01, FUEL BURNING EQUIPMENT (OIL) - Oil Burners, Electrical Equipment for - Domestic Type
2641 02, FUEL BURNING EQUIPMENT (OIL) - Oil Burners, Electrical Equipment for - Industrial Type
2642 01, FUEL BURNING EQUIPMENT (OIL) - Oil Burners, Electrical Equipment for - Accessories
2642 02, FUEL BURNING EQUIPMENT (OIL) - Oil Burners, Electrical Equipment for - Accessories (CSA C22.2 No. 199-2007)
3221 01, VALVES - General Purpose
3221 02, VALVES - General Purpose Actuators
4812 05, SIGNAL APPLIANCES - Signal Systems
4812 06, SIGNAL APPLIANCES - Miscellaneous
4813 02, TEMPERATURE-INDICATING AND REGULATING EQUIPMENT - Other Than Appliance Type
4823 02, TEMPERATURE-INDICATING AND REGULATING EQUIPMENT - Appliance Type

ATTACHMENT 2

Background and Rationale

In Edition 4, several areas have been modified to increase clarity and consistency. For example, changes...

Clause	Summary of changes
3.1	Definition of Systematic Failure removed
3.1	Definition of Safety aligned with the IEC definition
5.2.8	Clause clarified and simplified
5.4.1	Change in terminology to use "safe state"
5.4.9.3	Clause re-worded
5.4.10.5	Clause added
5.4.11	Clause added
5.5.1.2	Clause now references fault reaction time
5.5.1.5	Clause restricted to include the Note from previous version
5.5.3.1	Change in terminology to use "defined state"
5.5.3.4	Change in terminology to use "defined state"
5.5.4.2	Change in terminology to use "defined state"
5.5.4.4.1	Change in terminology to use "defined state"
5.5.4.4.2	Change in terminology to use "defined state"
5.5.4.5.1	Change in terminology to use "defined state"
5.5.4.5.3	Change in terminology to use "defined state"
5.5.4.6.1	Change in terminology to use "defined state"
5.7.1	Restructured to cover all of Clause 5.5
5.8.1	Clause simplified
6.2	Clause merged with 6.2.1 from previous version
6.3.6.3	Reference made to applicable operating modes
6.4.3.2	Table numbers adjusted

Clause	Summary of changes
6.4.3.4.2	Table numbers adjusted
6.4.3.4.3	Reference made to applicable operating modes
7.1.11.2	Reference made to all of Clause 5
7.2.3	Reference made to all of Clause 5.6.3
7.2.4	Adjustment made due to changes made to 5.2.8
7.2.8	Table 12 layout adjusted
A.1	Table A.1 adjusted
B.2.1	References Clauses B2.2 to B2.5
C.4.2.4.1	Clause wording simplified
G.3.1	Adjustment made due to changes made to 5.2.8