



INFO UPDATE

Electrical/Electronics

Volume 8 — November/December 2009

Issue date: December 16, 2009

Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

To view the complete issue of *Info Update* visit <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

What you'll find

Within each program, information is organized into the following sections:

Completed Projects / Projets terminés

▼ **New Standards – New Editions – Special Publications**

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

▼ **Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin Info-Update. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "New Standards — New Editions — Special Publications."

▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail gic@ihscanada.ca; Web site <http://www.global.ihs.com>.

Completed Projects (cont'd) / Projets terminés (suite)

▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

Under Development

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

Certification and Testing (CSA International)

▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-2488, or fax 416-747-4173.



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 239-09, 3rd edition

Control and Instrumentation Cables

PDF only \$200

This standard applies to multiple-conductor control and instrumentation cables (including thermocouple cables and thermocouple extension cables) having a voltage rating not exceeding 1000 V and intended for installation in accordance with the *Canadian Electrical Code, Part I*.

This standard applies to cables rated 1000 V, 600 V, 300 V, and 150 V, and to temperature ratings up to 105 °C. This standard also includes specific requirements for high-temperature control and instrumentation cables rated 125 to 250 °C.

C22.2 No. 253-09, 1st edition

Medium-Voltage AC Contactors, Controllers, and Control Centres (tri-national standard with NMX-J-564/106-ANCE, first edition, and UL 347, fifth edition)

PDF only \$655

This standard applies to ac contactors with rated voltages of 1501 to 7200 V, and metal-enclosed contactor-based controllers, control centres, and other control assemblies and associated equipment with rated voltages of 751 to 7200 V, designed for operation at frequencies of 50 or 60 Hz on three-phase systems. These requirements cover equipment intended for use in ordinary (non-hazardous) locations and installed in accordance with the applicable local installation codes and standards. These requirements, as modified by the applicable national standards for fire pump controllers, also cover fire pump controllers.

This standard also includes requirements for controllers intended for service entrance applications.

CAN/CSA-C22.2 No. 60745-2-16-09, 1st edition

Hand-held motor-operated electric tools — Safety — Part 2-16: Particular requirements for tackers (bi-national standard with UL 60745-2-16, first edition. Adopted IEC 60745-2-16:2008, second edition, without modification)

PDF only \$655

This standard applies to tackers intended for general use. This standard does not apply to tackers intended for industrial production applications.



New Standards – New Editions – Special Publications (cont'd)

C310-09, 1st edition

Distribution Class Polymeric Cutouts

PDF only \$150

This standard applies to open-type (fused and solid-blade) cutouts with a polymeric insulator structure component. These cutouts are intended for operation on alternating current distribution systems.

In some cases, specific types of construction are envisaged. This does not preclude the use of other types of construction, provided that the engineering representatives involved can demonstrate the safety and suitability of these alternatives.

Amendments

C22.2 No. 18.1-04

Metallic Outlet Boxes (tri-national standard with NMX-J-023/1-ANCE, first edition, and UL 514A, tenth edition)

Revision of the title page, the copyright page, the contents, the preface, Clauses 2.2, 5.11.2, 5.13.1, 6.1, 6.1.1, 8.1.6, 9.6.2.2, 9.7.2.1, 12.14.1.1, 12.4.1.2, and 12.4.2.1, Tables 6 and 10, and Figure 15. Addition of Clauses B.1.5., B.1.6, and B.6. Deletion of Clauses 5.11.3, 9.6.2.3–9.6.2.7, 9.7.2.2–9.7.2.6, 12.14.1.3, and 12.14.2.2.

CAN/CSA-C22.2 No. 18.3-04 (R2009)

Conduit, Tubing, and Cable Fittings (tri-national standard with NMX-J-017-ANCE, first edition, and UL 514B, fifth edition)

Revision of the title page, the copyright page, the contents, the preface, Clauses 1.2, 2.2, 5.1.3.1, 5.2.1.2, 5.2.1.4, 6.1.1, 6.2.3, 6.2.4, 7.12.3, 8.12.1.2, 8.14.1.1, 8.16.1.2, 8.20.6.1, 8.21.1.1, 8.23.3.1, 8.24, 8.24.1.1–8.24.1.4, 8.24.2, 8.24.2.1, 8.27.2, 8.27.2.1, and A.1, and Table 41. Addition of Clauses 5.1.3.1A, 7.12.6, 7.20, 8.5A, and 8.27.2.3A. Deletion of the CSA foreword and Clause 8.24.1.5.

C22.2 No. 127-09

Equipment and Lead Wires

Revision of Clauses 5.1.2.5 and 5.1.6.

Reaffirmed Standards

C22.2 No. 229-M1988 (R2009)

Switching and Metering Centres

CAN/CSA-C22.2 No. 236-05 (R2009)

Heating and Cooling Equipment (bi-national standard with UL 1995, third edition)

Reaffirmed Standards (cont'd)

CAN3-C108.3.1-M84 (R2009)

Limits and Measurement Methods of Electromagnetic Noise from AC Power Systems, 0.15-30 MHz

CAN/CSA-CEI/IEC 61000-4-2-01 (R2009)

Electromagnetic compatibility (EMC) — Part 4-2: Testing and measurement techniques — Electrostatic discharge immunity test (Adopted CEI/IEC 61000-4-2:1995, edition 1.1, including Amendment 1:1998, without modification)

CAN/CSA-CEI/IEC 61000-4-12-01 (R2009)

Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 12: Oscillatory waves immunity test Basic EMC Publication (Adopted CEI/IEC 1000-4-12:1995, first edition, including Amendment 1:2000, without modification)

Certification and Testing (CSA International)

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> . Ground Fault Circuit Interrupter (GFCI) devices, combined with receptacles having tamper-resistant features, CSA-certified to the CSA standard C22.2 No. 144.1, shall comply with the new test and marking requirements of this update.	Ground Fault Circuit Interrupters No. 7
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> .	Wiring Devices No. 56
December 31, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> . (Supersedes Wiring Devices No. 37.)	Wiring Devices No. 37A
January 1, 2010	Publication of the second edition of CSA standard CAN/CSA-C681-06, <i>Performance of Self-Ballasted Compact Fluorescent lamps and Ballasted Adapters</i> .	Verification Service Announcement No. 35

**Certification Notices (cont'd)**

Effective Date	Subject	Title
January 5, 2010	Publication of CSA standard C22.2 No. 45.2-08, <i>Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel</i> (bi-national standard with UL 6A, 2nd edition).	Conduit No. 23
March 1, 2010	Publication of CSA standard C22.2 No. 35-09, <i>Extra-Low Voltage Control Circuit Cable, Low-Energy Control Cable, and Extra-Low-Voltage Control Cable</i> .	Wire and Cable No. 149
March 10, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 243-01, <i>Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines</i> (bi-national standard with UL 1017).	Vacuum Cleaners and Blower Cleaners No. 9
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks</i> . (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A
April 1, 2010	Publication of CSA standard C22.2 No. 250.7-07, <i>Extra-low-voltage Landscape Lighting Systems</i> . (Supersedes Lighting Products No. 34.)	Lighting Products No. 52
May 3, 2010	Publication of CSA standard C22.2 No. 96-09, <i>Portable Power Cables</i> .	Wire and Cable No. 147
May 31, 2010	Transfer of existing certifications of shielded and concentric neutral power cables to CSA standard C68.5-05, <i>Primary Shielded and Concentric Neutral Cable for Distribution Utilities</i> .	Wire and Cable No. 142
May 31, 2010	Publication of CSA standard C68.10-08, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 KV</i> .	Wire and Cable No. 139
May 31, 2010	Extension of effective date for CSA standard CAN/CSA-C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39A
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15
July 1, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 62.1-03, <i>Nonmetallic Surface Raceways and Fittings</i> (bi-national standard with UL5A).	Raceways and Fittings No. 7

Certification Notices (cont'd)

Effective Date	Subject	Title
July 30, 2010	Publication of CSA standard C22.2 No. 2515-09, <i>Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings</i> (bi-national standard, with UL 2515). (Supersedes Conduit No. 7.)	Conduit No. 24
July 30, 2010	Publication of CSA standard C22.2 No. 2520-09, <i>Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings</i> (bi-national standard, with UL 25). (Supersedes Conduit No. 7.)	Conduit No. 25
July 31, 2010	Publication CSA standard CAN/CSA-C22.2 No. 71.2-2008, <i>Electric Bench Tools</i> .	Electric Tools No. 22
September 17, 2010 (existing certifications)	Publication of CSA standard C22.2 No. 250.0-08, <i>Luminaires</i> (bi-national standard with UL 1598, 3rd edition). (Supersedes Lighting Products No. 35, 35A, and 47.)	Lighting Products No. 53
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
December 15, 2010	Publication of CSA standard C22.2 No. 43-08, <i>Lampholders</i> (bi-national standard with UL 496).	Wiring Devices No. 58
February 28, 2011	Publication of CSA standard C22.2 No. 52-09, <i>Underground Secondary and Service-Entrance Cables</i> .	Wire and Cable No. 143
May 31, 2011	Transfer of existing certifications of shielded and concentric neutral power cables to CSA standard C68.5-07, <i>Primary Shielded and Concentric Neutral Cable for Distribution Utilities</i> . (Supersedes Wire and Cable No. 142 and supplements Wire and Cable No. 136.)	Wire and Cable No. 142A
May 31, 2011	Extension of effective date for certification of shielded power cables to CSA standard C68.10, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 kV</i> .	Wire and Cable No. 150

**Certification Notices (cont'd)**

Effective Date	Subject	Title
January 1, 2012	Publication of CSA standard CAN/CSA-E61131-2:06, <i>Programmable controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, second edition, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6
July 31, 2012	Publication of CSA standard C22.2 No. 236-05, <i>Heating and Cooling Equipment</i> (bi-national standard with UL 1995).	Gas Products No. 201
October 31, 2012	Publication of CSA standard CAN/CSA-C22.2 No. 60745-1-07, <i>Hand-Held Motor-Operated Electric Tools — Safety — Part 1: General Requirements</i> (bi-national standard, with UL 60745-1), and associated Part 2 standards. (Supersedes Electrical Tools Nos. 6, 15, 16, 16A, and 19.)	Electrical Tools No. 23
August 21, 2016	Publication of CSA standard CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006. Adopted IEC 60335-2-24:2002, sixth edition, with national deviations).	Household Refrigerators and Freezers No. 3