



## INFO UPDATE

# ***Electrical/Electronics***

## **Volume 5 — August 2008**

**Issue date: August 7, 2008**

*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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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

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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](mailto: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. 214-08, 7th edition

*Communications Cables* (bi-national standard with UL 444, fourth edition)

PDF only ..... \$465

This standard applies to 60 °C to 250 °C single- or multiple-conductor, jacketed or unjacketed, integral or non-integral cables and single or multiple coaxial cables for telephone and other communication circuits such as voice, data, and audio for on-premise customer systems. These cables may contain one or more optical fibre members. For the purpose of this standard, a *coaxial cable* or *coaxial member conductor* is a single conductor with a shield. For the purpose of this standard, a *single- or multiple-conductor unjacketed cable is a cross-connect wire*.

This standard applies to communications cables that are intended primarily for installation in accordance with Section 60 of the *Canadian Electrical Code (CEC), Part I*, and Article 800 of the *National Electrical Code (NEC)*, ANSI/NFPA 70. These cables are rated for 300 V applications but are not so marked.

#### C22.3 No. 9-08, 1st edition

*Interconnection of Distributed Resources and Electricity Supply Systems*

PDF only ..... \$135

This standard specifies the technical requirements for the interconnection of distributed resources (DR) and distribution systems up to 50 kV line to line. This standard covers all distributed resource technologies with an aggregate capacity of 10 MW or less at the point of common coupling (PCC).

This standard covers the interconnection of the following:

- inverter-based DR systems and distribution systems where the PCC is at medium voltage
- generator-based DR systems and distribution systems where the PCC is at low or medium voltage.

See CAN/CSA-C22.2 No. 257 for interconnections of inverter-based DR systems and distribution systems where the PCC is at low voltage.



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

### C199-08, 3rd edition

*Three-Phase Network Distribution Transformers*

PDF only ..... \$65

This standard specifies the mechanical and electrical characteristics of three-phase network distribution transformers with rated primary voltages up to 34.5 kV and kV•A ratings of 500 to 2500.

This standard applies only to three-phase distribution transformer units intended for use in a ventilated vault or enclosure below grade level.

The equipment covered by this standard is primarily intended for operation by electric utilities on effectively grounded underground distribution systems.

## Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

### C68.5-07, 1<sup>re</sup> édition

*Câbles primaires avec écran et à neutre concentrique pour services publics de distribution*

Papier..... 215 \$

PDF ..... 195 \$

Cette norme s'applique aux matériaux, à la construction et à la mise à l'essai des monoconducteurs recouverts d'un isolant en polyéthylène réticulaire avec retardateur d'arborescence et en caoutchouc éthylène-propylène ou des câbles de puissance primaires avec écran et à neutre concentrique dotés de trois conducteurs, d'une tension nominale de 15 à 46 kV, utilisés pour le transport et la distribution de l'énergie électrique.

## Amendments

### CAN/CSA-C60888:03 (bilingual)

*Zinc-Coated Steel Wired for Stranded Conductors* (Adopted CEI/IEC 888:1987, first edition, with Canadian deviations)

Addition of Canadian deviation to Table II.

## Modifications publiées en français

### CAN/CSA-C60888:03 (bilingue)

*Fils en acier zingué pour conducteurs câblés* (norme CEI/IEC 888:1987, première édition, adoptée avec exigences propres au Canada)

Adjonction d'une exigence propre au Canada à la table II.

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## Reaffirmed Standards

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**C22.2 No. 99-1954 (R2008)**

*Construction and Test of Domestic Electric Ironing Machines*

**C22.2 No. 102-1958 (R2008)**

*Brooders and Incubators*

**CAN/CSA-C22.2 No. 60601-1-2:03 (R2008)**

*Medical Electrical Equipment — Part 1-2: General Requirements for Safety — Collateral Standard: Electromagnetic Compatibility — Requirements and Tests* (Adopted CEI/IEC 60601-1-2:2001, second edition, including Amendment 1:2004, without modification)

**C49.2-1975 (R2008)**

*Compact Aluminum Conductors Steel Reinforced (ACSR)*

**C49.3-1977 (R2008)**

*Aluminum Alloy 1350 Round Wire, All Tempers, for Electrical Purposes*

**C49.5-1978 (R2008)**

*Compact Round Concentric-Lay Aluminum Stranded Conductors (Compact ASC)*

**CAN/CSA-C60871-1:03 (R2008)**

*Shunt capacitors for A.C. power systems having a rated voltage above 1 000 V — Part 1: General — Performance, testing and rating — Safety requirements — Guide for installation and operation* (Adopted CEI/IEC 60871-1:1997, second edition, with Canadian deviations)

## Certification and Testing (CSA International)

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### Informs Notices

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<b>Date</b>	<b>Subject</b>	<b>Title</b>
July 2, 2008	Clarification of CSA standard C22.2 No. 49-06, <i>Flexible Cords and Cables</i> , for acceptance of materials other than those specified in the CSA standard.	Wire and Cable No. 40
July 3, 2008	Publication of Update No. 2 to CSA C22.2 No. 218.2-93. This requirement is an additional option for hydromassage bathtubs.	Plumbing Products No. 186
July 31, 2008	CSA List of Technical Requirements No. M-002-2008 as Interim Certification Requirements for Inside-the-Delta Horsepower Ratings. These requirements are expected to be published in the next edition or update of CSA standard C22.2 No. 14.	Industrial Control Equipment No. 25



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**Certification Notices**

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 31, 2008	Publication of the third edition of CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> .	Wiring Devices No. 37
December 31, 2008	Publication of CSA standard C22.2 No. 256-05, <i>Direct Plug-In Nightlights</i> .	Lighting Products No. 49
January 30, 2009	Publication of CSA standard C22.2 No. 45.1-07, <i>Electrical Rigid Metal Conduit — Steel</i> (tri-national standard with UL 6 and NMX-J-534-ANCE-2007). (Supersedes Conduit No. 14.)	Conduit No. 21
January 30, 2009	Publication of CSA standard C22.2 No. 83.1-07, <i>Electrical Metallic Tubing — Steel</i> (tri-national standard with UL 797 and NMX-J-536-ANCE-2007). (Supersedes Raceways and Fittings No. 5.)	Raceways and Fittings No. 6
January 31, 2009	Publication of Update No. 1 to CSA standard C22.2 No. 18.3-04, <i>Conduit Tubing and Cable Fittings</i> (tri-national standard with NMX-J-017-ANCE and UL514B).	Wiring Products No. 10
February 27, 2009	New and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition</i> .	Lighting Products No. 50
► July 1, 2009	Publication of CSA standard CAN/CSA-E60691:08, <i>Thermal-Links — Requirements and Application Guide</i> (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations)	Signal Sensing and Controls No. 5
► December 15, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 22
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

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
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
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
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
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
January 1, 2012	Publication of CAN/CSA-E61131-2:06, <i>Programmable Controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, 2nd edition, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012 (Canada)	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6





### Certification Notices (cont'd)

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
August 21, 2016	Publication of 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