



INFO UPDATE

Energy

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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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

C747-09, 4th edition

Energy Efficiency Test Methods for Small Motors

PDF only \$400

This standard specifies the test methods to be used in measuring the energy efficiency of small direct-current (dc) and single- and three-phase alternating-current (ac) rotating motors. This standard includes the following motor types:

- capacitor, permanent-split
- capacitor, capacitor-start or capacitor-run
- split phase
- split phase start, capacitor-run
- shaded pole
- reluctance
- polyphase induction
- dc
- permanent magnet
- brushless dc
- inverter driven.

C862-09, 4th edition

Performance of Incandescent Reflector Lamps

PDF only \$90

This standard describes testing procedures and states the performance requirements for general service incandescent and tungsten halogen reflector lamps.

This standard includes performance requirements for the following:

- wattage
- lamp efficacy
- rated luminous flux
- centre beam intensity
- rated life.

This standard applies to incandescent and tungsten halogen reflector lamps designed for general lighting use that have the following:

- a rated wattage from 40 W up to and including 205 W
- an operating capability between 110 and 130 V
- an E26/24 single contact, or E26/50×39 skirted, medium screw base
- a bulb diameter > 57 mm.



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

N286.7.1-09, 1st edition

Guideline for the application of N286.7-99, “Quality assurance of analytical, scientific, and design computer programs for nuclear power plants”

PDF only \$300

This standard specifies the construction, fabrication, and installation requirements that apply to concrete containment structures of a containment system designated as class containment components, parts, and appurtenances for CANDU nuclear power plants.

This standard provides personnel qualification requirements for work performed as it pertains to the construction, fabrication, and installation of concrete containment structures for CANDU nuclear power plants, in accordance with this standard.

This standard may be applied, as appropriate, to nuclear facilities under the jurisdiction of the *Nuclear Safety and Control Act*.

N287.4-09, 4th edition

Construction, Fabrication, and Installation Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

Paper \$220

PDF \$200

This standard specifies the construction, fabrication, and installation requirements that apply to concrete containment structures of a containment system designated as class containment components, parts, and appurtenances for CANDU nuclear power plants.

This standard provides personnel qualification requirements for work performed as it pertains to the construction, fabrication, and installation of concrete containment structures for CANDU nuclear power plants, in accordance with this standard.

This standard may be applied, as appropriate, to nuclear facilities under the jurisdiction of the *Nuclear Safety and Control Act*.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C815-09, 4^e édition

Rendement énergétique des refroidisseurs d'eau potable

PDF seulement55 \$

Cette norme prescrit les exigences relatives aux performances énergétiques des refroidisseurs d'eau autonomes dont la capacité nominale à l'heure ne dépasse pas 21 mL/s (20 gal US/h). Elle énonce notamment :

- a) des procédures pour mesurer la capacité et la consommation d'énergie, y compris les pertes en attente ; et
- b) les valeurs maximales de consommation d'énergie.

Cette norme vise les refroidisseurs d'eau de type mécanique, thermoélectrique ou autre à commande électrique, conçus pour refroidir l'eau d'une fontaine située sur place ou à distance, appartenant à un des types suivants :

- a) à pression ;
- b) à consommation directe ;
- c) éloignés ; et
- d) à bouteille.

Cette norme vise en outre les appareils qui offrent aussi une commodité supplémentaire sous la forme d'un compartiment réfrigéré ou d'un dispositif qui chauffe l'eau potable, ou des deux.

Cette norme ne vise pas les refroidisseurs d'eau

- a) destinés à des systèmes de circulation d'eau centraux ; ou
- b) munis de groupes compresseur-condenseur éloignés (systèmes à deux blocs).

N287.4-09, 4^e édition

Exigences relatives à la construction, à la fabrication et à l'installation des enceintes de confinement en béton des centrales nucléaires CANDU

Papier.....220 \$

PDF200 \$

Cette norme prescrit les exigences relatives à la construction, à la fabrication et à l'installation qui s'appliquent aux enceintes de confinement en béton d'un système de confinement désignées comme composants, pièces et accessoires de la «classe confinement» des centrales nucléaires CANDU.

Cette norme énonce les exigences relatives à l'agrément du personnel pour les travaux de construction, de fabrication et d'installation des enceintes de confinement en béton pour les centrales nucléaires CANDU, effectués conformément à cette norme.

Cette norme peut s'appliquer, s'il y a lieu, aux installations nucléaires visées par la *Loi sur la sûreté et la réglementation nucléaires*.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Z246.1-09, 1^{re} édition

Gestion de la sûreté des installations liées à l'industrie du pétrole et du gaz naturel

Papier.....	275 \$
PDF	250 \$

Cette norme précise les critères d'établissement d'un programme de gestion de la sûreté des installations liées à l'industrie du pétrole et du gaz naturel en visant à s'assurer que les menaces à la sûreté et les risques connexes sont répertoriés et contrôlés. Elle précise des moyens d'atténuer ces risques, des moyens d'intervention et des procédures pour empêcher ou minimiser l'impact d'incidents liés à la sûreté qui pourraient affecter les personnes, l'environnement, les actifs et la stabilité économique.

Reaffirmed Standards

C748-94 (R2009)

Performance of Direct-Expansion (DX) Ground-Source Heat Pumps