



# Electrical/Electronics

## New Standards & Editions

**CAN/CSA-E60079-0:02, 2nd edition (bilingual)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 0: General Requirements* (Adopted CEI/IEC 60079-0:1998, edition 3.1, including Amendment 1:2000, with Canadian deviations) \$135

This standard specifies general requirements for the construction, testing, and marking of electrical apparatus, Ex cable entries, and Ex components, intended for use in potentially explosive atmospheres of gas, vapour and mist.

**CAN/CSA-E60079-2:02, 2nd edition (bilingual)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 2: Pressurized Enclosures "p"* (Adopted CEI/IEC 60079-2:2001, fourth edition, with Canadian deviations) \$115

This standard contains specific requirements for the construction and testing of electrical apparatus with pressurized enclosures, of protection type "p", intended for use in explosive gas atmospheres.

The requirements are supplementary to those in IEC 60079-0.

This standard specifies requirements for pressurized enclosures containing a limited release of a flammable substance.

**CAN/CSA-E60079-5:02, 2nd edition (bilingual)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 5: Powder Filling "q"* (Adopted CEI/IEC 60079-5:1997, second edition, without modification) \$45

This standard contains specific requirements for the construction, testing, and marking of electrical apparatus, parts of electrical apparatus, and Ex components in the type of protection **powder filling "q"**, intended for use in potentially explosive atmospheres of gas, vapour and mist.

This standard supplements IEC 60079-0.

This standard applies to electrical apparatus, parts of electrical apparatus, and Ex components with:

- a rated current less than or equal to 16 A
- a rated power consumption less than or equal to 1000 VA, intended to be connected to a supply not exceeding 1000 V.

**CAN/CSA-E60079-11:02, 2nd edition (bilingual)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 11: Intrinsic Safety "i"* (Adopted CEI/IEC 60079-11:1999, fourth edition, with modifications) \$190

This standard specifies the construction and testing of intrinsically safe apparatus, intended for use in potentially explosive atmospheres and for associated apparatus, which is intended for connection to intrinsically safe circuits that enter such atmospheres. The standard also contains details of the test apparatus previously published as IEC 60079-3. This standard supplements IEC 60079-0:1998.

**CAN/CSA-E60079-14:02, 2nd edition (bilingual)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 14: Electrical Installations in Hazardous Areas (Other Than Mines)* (Adopted CEI/IEC 79-14:1996, second edition, without modifications) \$115

This standard contains the specific requirements for the design, selection, and erection of electrical installations in explosive gas atmospheres.

These requirements are in addition to the requirements for installations in non-hazardous areas.

This standard applies to all electrical equipment and installations in hazardous areas, whether permanent, temporary, portable, transportable, or hand-held. It applies to installations at all voltages.

**CAN/CSA-E60079-15:02, 2nd edition**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 15: Type of Protection "n"* (Adopted IEC 60079-15:2001, second edition, with modifications) \$105

This standard specifies requirements for the construction, testing, and marking for Group II electrical apparatus with protection type "n" intended for use in explosive gas atmospheres.

This standard applies to non-sparking electrical apparatus and also to electrical apparatus with parts or circuits producing arcs or sparks or having hot surfaces that, if not protected in one of the ways specified in this standard, could be capable of igniting a surrounding explosive gas atmosphere.

A non-incendive component is limited in use to the particular circuit for which it has been shown to be non-ignition capable and, therefore, cannot be separately assessed as complying with this standard.



## New Standards & Editions (cont'd)

**CAN/CSA-E60598-2-3B:02 (bilingual)**  
*Luminaires—Part 2-3: Particular Requirements—Luminaires for Road and Street Lighting.*  
 Amendment 2:2002 (Adopted Amendment 2:2000 to CEI/IEC 598-2-3:1993, without modification) \$25  
 This document provides revisions to CAN/CSA-E60598-2-3-98.

**CAN/CSA-E60598-2-5:02, 2nd edition (bilingual)**  
*Luminaires—Part 2-5: Particular Requirements—Floodlights* (Adopted CEI/IEC 60598-2-5:1998, second edition, with Canadian deviations) . . . . . \$30  
 This standard specifies requirements for floodlights for use with tungsten filament, tubular fluorescent, and other discharge lamps on supply voltages not exceeding 1 000 V. It is to be read in conjunction with the referenced sections of IEC 60598-1.

**CAN/CSA-E598-2-8A:02 (bilingual)**  
*Luminaires—Part 2-8: Particular Requirements—Handlamps.* Amendment 1:2002 (Adopted Amendment 1:2000 to CEI/IEC 598-2-8:1996, without modifications) . . . . . \$20  
 This document provides revisions to CAN/CSA-E598-2-8-98.

**CAN/CSA-E598-2-19B:02 (bilingual)**  
*Luminaires—Part 2: Particular Requirements—Section 19: Air-Handling Luminaires (Safety Requirements).* Amendment 2:2002 (Adopted Amendment 2:1997 to CEI/IEC 598-2-19:1981, without modifications) . . . . . \$20  
 This document provides revisions to CAN/CSA-E598-2-19-98.

**CAN/CSA-E60974-1A:02 (bilingual)**  
*Arc Welding Equipment—Part 1: Welding Power Sources.* Amendment 1:2002 (Adopted Amendment 1:2000 to CEI/IEC 60974-1:1998, with Canadian deviations) . . . . . \$25  
 This document provides revisions to CAN/CSA-E60974-1-00.

**CAN/CSA-E60974-7:02, 1st edition (bilingual)**  
*Arc Welding Equipment—Part 7: Torches* (Adopted CEI/IEC 60974-7:2000, first edition, with Canadian deviations) . . . . . \$85  
 This standard specifies safety and construction requirements for torches for arc welding and allied processes. A torch consists of the torch body, the cable-hose assembly, and other components.

E60974-7 is not applicable to electrode holders for manual metal arc welding or torches for air-arc cutting/gouging.

**CAN/CSA-E61241-1-1:02, 2nd edition**  
*Electrical Apparatus for Use in the Presence of Combustible Dust—Part 1-1: Electrical Apparatus Protected by Enclosures and Surface Temperature Limitation—Specification for Apparatus* (Adopted IEC 61241-1-1:1999, second edition, with Canadian deviations) . . . . . \$60

This standard applies to electrical apparatus protected by enclosures and surface temperature limitation for use in areas where combustible dust may be present in quantities that could lead to a fire or explosion hazard. It specifies requirements for design, construction, and testing of electrical apparatus.

The ignition protection is based on the limitation of the maximum surface temperature of the enclosure and other surfaces that could be in contact with dust, and on the restriction of dust entry into the enclosure by the use of "dust-tight" or "dust-protected" enclosures.

**Note:** IEC 61241-1-2 gives guidance on the selection, installation, and maintenance of the apparatus. Apparatus within the scope of this standard may also be subject to additional requirements in other standards; for example, IEC 60079-0.

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## Nouvelles parutions en français

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**CAN/CSA-E60079-0:02, 2<sup>e</sup> édition (bilingue)**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 0 : Règles générales* (norme CEI/IEC 60079-0:1998, édition 3.1, adoptée, y compris l'amendement 1:2000, avec exigences propres au Canada) . . . . . 135 \$

Cette norme spécifie les règles générales de construction, d'essais et de marquage du matériel électrique, des entrées de câble Ex, et des composants Ex destinés à être utilisés dans des atmosphères explosibles sous forme de gaz, vapeurs ou brouillards.



## Nouvelles parutions (suite)

**CAN/CSA-E60079-2:02, 2<sup>e</sup> édition (bilingue)**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 2 : Enveloppes à surpression interne «p»*  
 (norme CEI/IEC 60079-2:2001 adoptée, 4<sup>e</sup> édition, avec modifications) . . . . . 115 \$

Cette norme contient les prescriptions spécifiques pour la construction et les essais des matériels électriques avec enveloppes à surpression interne à mode de protection «p», destinés à l'utilisation dans les atmosphères explosives gazeuses.

Les prescriptions contenues dans cette norme complètent celles de la CEI 60079-0.

Cette norme spécifie les prescriptions pour enveloppes à surpression interne contenant un dégagement limité de substance inflammable.

**CAN/CSA-E60079-5:02, 2<sup>e</sup> édition (bilingue)**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 5 : Remplissage pulvérulent «q»* (norme CEI/IEC 60079-5:1997, 2<sup>e</sup> édition, adoptée, sans modifications) . . . . . 45 \$

Cette norme contient les règles spécifiques de construction, d'essais et de marquage du matériel électrique, des parties de matériel électrique et des composants Ex à remplissage pulvérulent, mode de protection «q», destinés à être utilisés dans des atmosphères explosibles de gaz, vapeur et brouillard.

Cette norme complète la CEI 60079-0 dont les prescriptions s'appliquent au matériel électrique à remplissage pulvérulent.

Cette norme s'applique au matériel électrique, aux parties de matériel électrique et aux composants Ex dont :

- le courant assigné est inférieur ou égal à 16 A ;
- la puissance assignée est inférieure ou égale à 1 000 VA, destiné à être raccordé à une source d'alimentation ne dépassant pas 1 000 V.

**CAN/CSA-E60079-11:02, 2<sup>e</sup> édition (bilingue)**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 11 : Sécurité intrinsèque «i»*  
 (norme CEI/IEC 60079-11:1999 adoptée, 4<sup>e</sup> édition, avec modifications) . . . . . 190 \$

Cette norme contient les règles spécifiques de construction et d'essais pour le matériel électrique à sécurité intrinsèque, destiné à être utilisé dans les atmosphères explosives, et pour le matériel électrique associé, qui est prévu pour être relié à des circuits de

sécurité intrinsèque qui entrent dans de telles atmosphères. Elle contient également des détails de l'appareil d'essai publié initialement dans la CEI 60079-3.

Cette norme complète la CEI 60079-0:1998.

**CAN/CSA-E60079-14:02, 2<sup>e</sup> édition (bilingue)**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 14 : Installations électriques dans les emplacements dangereux (autres que les mines)*  
 (norme CEI/IEC 79-14:1996 adoptée, 2<sup>e</sup> édition, sans modifications) . . . . . 115 \$

Cette norme contient les règles particulières de conception, de sélection et de montage applicables aux installations électriques situées dans des atmosphères explosives gazeuses.

Ces règles complètent celles relatives aux installations dans les emplacements non dangereux.

Cette norme s'applique à tous les équipements et à toutes les installations électriques situés dans des emplacements dangereux, que ces installations soient permanentes, temporaires, portables, déplaçables ou portatives. Elle s'applique à toutes les installations, quelle que soit la tension utilisée.

**CAN/CSA-E60598-2-3B:02 (bilingue)**  
*Luminaires—Partie 2-3 : Règles particulières—Luminaires d'éclairage public. Amendement 2:2002* (norme CEI/IEC 598-2-3:1993, amendement 2:2000, adoptée, sans modifications) . . . . . 25 \$

Ce document contient des modifications à la norme CAN/CSA-E60598-2-3-98.

**CAN/CSA-E60598-2-5:02, 2<sup>e</sup> édition (bilingue)**  
*Luminaires—Partie 2-5 : Règles particulières—Projecteurs* (norme CEI/IEC 60598-2-5:1998 adoptée, 2<sup>e</sup> édition, avec modifications) . . . . . 30 \$

Cette norme détaille les prescriptions applicable aux projecteurs à utiliser avec des lampes à filament de tungstène, des lampes tubulaires fluorescentes ou autres lampes à décharge, pour des tensions d'alimentation ne dépassant pas 1 000 V. Elle doit être lue conjointement avec les sections de la CEI 60598-1 auxquelles elle est fait référence.

**CAN/CSA-E598-2-8A:02 (bilingue)**  
*Luminaires—Partie 2-8 : Règles particulières—Baladeuses. Amendement 1:2002* (norme CEI/IEC 598-2-8:1996, amendement 1:2000, adoptée, sans modifications) . . . . . 20 \$

Ce document contient des modifications à la norme CAN/CSA-E60598-2-8-98.



## Nouvelles parutions (suite)

**CAN/CSA-E598-2-19B:02 (bilingue)**  
*Luminaires—Deuxième partie : Règles particulières—Section 19 : Luminaires à circulation d'air (Règles de sécurité).* Amendement 2:2002 (norme CEI/IEC 598-2-19:1981, amendement 2:1997, adoptée, sans modifications) . . . . . 20 \$

Ce document contient des modifications à la norme CAN/CSA-E598-2-19-98.

**CAN/CSA-E60974-1A:02 (bilingue)**  
*Matériel de soudage électrique—Partie 1 : Sources de courant pour soudage.* Amendement 1:2002 (norme CEI/IEC 60974-1:1998, amendement 1:2000, adoptée, avec modifications) . . . . . 25 \$

Ce document contient des modifications à la norme CAN/CSA-E60974-1-00.

**CAN/CSA-E60974-7:02, 1<sup>re</sup> édition (bilingue)**  
*Matériel de soudage à l'arc—Partie 7 : Torches* (norme CEI/IEC 60974-7:2000, 1<sup>re</sup> édition, adoptée, avec modifications) . . . . . 85 \$

Cette norme spécifie les règles de sécurité et de construction applicables aux torches pour le soudage à l'arc et les procédés connexes.

Dans la présente norme une torche comprend le corps de torche, le faisceau d'autres composants.

Cette norme ne s'applique pas aux porte-électrode pour le soudage manuel électrique à l'arc ni aux torches pour le coupage/gougeage air-arc.

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## Amendments

**CAN/CSA-C22.2 No. 60950-00**  
*Safety of Information Technology Equipment*  
Revision of the title page, copyright page, preface, foreword (CSA), foreword (UL), Clauses 5.1.8.2 and 5.3.6, Figure D.1, and Annexes P.1 and P.2.

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## Proposed New Projects

For more information about the proposed development of the following new edition, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **C22.2 No. 245, 2nd edition**  
*Marine Shipboard Cable*

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## Drafts

**Please note:** Public comments about the following draft standards and proposed amendments are due by July 8, 2002.

To receive copies, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 27, Proposed amendments**  
*Busways*  
Proposed revision of various clauses.
- **C22.2 No. 45.1, 1st edition**  
*Electrical Rigid Metal Conduit—Steel*
- **C22.2 No. 66, 4th edition**  
*Specialty Transformers*
- **C22.2 No. 71.2, Proposed amendments**  
*Electric Bench Tools*  
Proposed revision of Clauses 4.3.12.10, 4.6.2, 7.4.4.2 and 7.4.4.3.
- **C22.2 No. 83.1, 1st edition**  
*Electrical Metallic Conduit—Steel*
- **C22.2 No. 111, Proposed amendments**  
*General-Use Snap Switches*  
Proposed revision of various clauses.
- **C22.2 No. 211.3, 5th edition**  
*Reinforced Thermosetting Resin Conduit (RTRC)—Above Ground*
- **C22.2 No. 211.4, 1st edition**  
*Reinforced Thermosetting Resin Conduit (RTRC)—Below Ground*

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## Proposed Endorsement of Standards

**Note:** Public comments about proposed endorsements listed in this issue are due by July 8, 2002.

For more information about the proposed endorsement of the following IEC standard, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **IEC 60216-3 (2002)**  
*Electrical Insulating Materials—Thermal Endurance Properties—Part 3: Instructions for Calculating Thermal Endurance Characteristics*



## Proposed Adoption of Standards

**Note:** Public comments about proposed adoptions listed in this issue are due by July 8, 2002.

For more information about the proposed adoption of the following IEC standards, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **IEC 61558-2-5 (1997)**  
*Safety of Power Transformers, Power Supply Units and Similar—Part 2: Particular Requirements for Shaver Transformers and Supply Units*
- **IEC 61558-2-13 (1999)**  
*Safety of Power Transformers, Power Supply Units and Similar—Part 2: Particular Requirements for Autotransformers*

For more information about the proposed adoption of the following IEC standard, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **IEC 60320-1 (2001)**  
*Appliance Couplers for Household and Similar General Purposes—Part 1: General Requirements*

## Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standard, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **C57-98**  
*Electric Power Connectors for Use in Overhead Line Conductors*

## Certification Notices

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

Effective Date	Subject	Title
June 1, 2002	Publication of CAN/CSA-C22.2 No. 745-1 and CAN/CSA-C22.2 No. 745-2 ( <i>Portable Electric Tools</i> ), and CAN/CSA-C22.2 No. 745-3 and CAN/CSA-C22.2 No. 745-4 ( <i>Portable Battery-Operated Tools</i> ).	Electrical Tools No. 6
August 1, 2002	Publication of TIL No. A-28, regarding interim certification requirements for non-metallic outlet boxes in ceiling installations.	Wiring Devices No. 21

## Status of CSA Standards Projects

**TYPE:** ns new standard; ne new edition; spec special publication; p preliminary standard.

**STATUS:** 1 The project is under initial evaluation.

2 The technical content is being drafted.

3 The draft is undergoing an internal quality audit by CSA.

4 The publication is being processed for formal letter-ballot approval.

5 The approved publication will be for sale within 2–3 months.

H The publication is on hold.

C The publication has been cancelled. It will be removed from the next status report.

SUBJECT	NUMBER	TYPE	STATUS
<b>Wiring Products</b>			
Metal Outlet Boxes	C22.2 No. 18.1	ns	3
Conduit and Cable Fittings	C22.2 No. 18.3	ns	3
Conduit and Cable Support Hardware	C22.2 No. 18.4	ns	3



## Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
<b>Wiring Products (cont'd)</b>			
Wire-Positioning Devices	C22.2 No. 18.5	ns	5
Cord Sets and Power Supply Cords	C22.2 No. 21	ne	2
Lampholders	C22.2 No. 43	ne	1
Rigid Metal Conduit–Steel	C22.2 No. 45.1	ns	2
Flexible Cords and Cables	C22.2 No. 49	ne	2
Non-metallic Surface Raceways	C22.2 No. 62.1	ns	3
Wire Connectors	C22.2 No. 65	ne	3
Thermoplastic-Insulated Wires and Cables (Tri-national standard)	C22.2 No. 75	ne	4
Electrical Metallic Tubing–Steel	C22.2 No. 83.1	ns	2
Portable Power Cables	C22.2 No. 96	ne	2
Mine Power Feeder Cables	C22.2 No. 96.1	ns	2
Metal Cable Tray Systems	C22.2 No. 126.1	ne	4
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	4
Neutral Supported Cable	C22.2 No. 129	ne	2
Heat Tracing Cable Systems for Ordinary and Hazardous Locations	C22.2 No. 130	ne	3
Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type	C22.2 No. 182.1	ne	5
Coated Electrical Sleeving	C22.2 No. 198.3	ne	2
Appliance Wiring Material Products	C22.2 No. 210.2	ne	2
Reinforced Thermosetting Resin Conduit–Above Ground	C22.2 No. 211.3	ne	2
Reinforced Thermosetting Resin Conduit (RTRC)–Below Ground	C22.2 No. 211.4	ns	2
Communications Cables	C22.2 No. 214	ne	5
Liquid-Tight Flexible Nonmetallic Conduit	C22.2 No. 227.2.1	ns	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	2
<b>Industrial Products</b>			
Enclosed Switches	C22.2 No. 4	ne	3
Moulded Circuit Breakers	C22.2 No. 5	ne	5
Industrial Control Equipment	C22.2 No.14	ne	2
Panelboards and Enclosed Panelboards	C22.2 No. 29	ne	3
Switchgear Assemblies	C22.2 No. 31	ne	3
Motors with Inherent Overheating Protection	C22.2 No. 77	ne	2
Special Purpose Enclosures	C22.2 No. 94	ne	2
Motors and Generators	C22.2 No. 100	ne	2
Safety of Uninterruptible Power Supplies (UPS)–Part 1	C22.2 No. 107.3	ns	3
Ground Fault Circuit Interrupters	C22.2 No. 144	ne	1
Automatic Transfer Switches	C22.2 No. 178.1	ns	2
Supplementary Protectors	C22.2 No. 235	ne	2
Switchboards	C22.2 No. 244	ns	1
Neon and Cold Cathode Supplies	C22.2 No. 255	ns	2
Safety of Power Transformers, Power Supply Units and Similar–Part 1: General Requirements and Tests	E61558-1	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-1: Particular Requirements for Separating Transformers for General Use	E61558-2-1	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-2: Particular Requirements for Control Transformers	E61558-2-2	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-4: Particular Requirements for Isolating Transformers for General Use	E61558-2-4	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-6: Particular Requirements for Safety Isolating Transformers for General Use	E61558-2-6	ns	3



## Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
<b>Consumer and Commercial Products</b>			
Landscape Lighting	C22.2 No. 9.1	ns	H
Portable Luminaires	C22.2 No. 9.12	ne	1
Christmas Tree and other Decorative Lighting Outfits	C22.2 No. 37	ne	2
Unit Equipment for Emergency Lighting	C22.2 No. 141	ne	4
Central System for Unit Equipment for Emergency Lighting	C22.2 No. 141.1	ns	2
Electrostatic Air Cleaners	C22.2 No. 187	ne	3
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Heating and Cooling Equipment	C22.2 No. 236	ne	2
Direct Plug-in Portable Luminaires	C22.2 No. 256	ns	3
Safety of Household and Similar Electrical Appliances—Part 1: General Requirements	E60335-1/4E	ne	3
Luminaires—Part 1: General Requirements and Tests	E60598-1	ne	5
Automatic Electrical Controls for Household and Similar Use—Part 1: General Requirements	E60730-1/3E	ne	3
<b>Electrical Engineering</b>			
Single-Phase and Three-Phase Distribution Transformers, Types ONAN and LNaN	C2	ne	3
Pole-Mounted, Single-Phase, Distribution Transformers for Electric Utilities	C2.2	ns	3
Dry-type Transformers	C9	ne	3
Three-Phase Network Transformers	C199	ne	3
Three-phase, Live-front Pad-mounted Distribution Transformers	C227.2	ne	2
Low-Profile, Single-Phase, Pad-mounted Distribution Transformer with Separable Insulated High-Voltage Connectors	C227.3	ne	3
Three-Phase, Pad-mounted Distribution Transformers with Separable Insulated Connectors	C227.4	ne	3
Three-Phase, Live-Front Pad-mounted Distribution Transformers	C227.5	ns	2
Single-Phase, Submersible Distribution Transformers, Type ONAN	C301.1	ne	3
Three-Phase, Submersible Distribution Transformers, Type ONAN	C301.2	ne	3
Aluminium-Magnesium-Silicon Alloy Wire for Overhead Line Conductors	IEC 60104	ns	3
Zinc-coated Steel Wires for Overhead Line Conductors	IEC 60888	ns	3
Hard-drawn Aluminium Wire for Overhead Line Conductors	IEC 60889	ns	3
Round Wire Concentric Lay Overhead Electrical Stranded Conductors	IEC 61089	ns	3
Aluminum-clad Steel Wires for Electrical Purposes	IEC 61232	ns	3
<b>Electromagnetic Compatibility</b>			
Electromagnetic Compatibility (EMC)—Part 4: Testing and Measurement Techniques—Section 8: Power Frequency Magnetic Field Immunity Test—Basic EMC Publication	61000-4-8	ns	4
Electromagnetic Compatibility (EMC)—Part 4: Testing and Measurement Techniques—Section 9: Pulse Magnetic Field Immunity Test—Basic EMC Publication	61000-4-9	ns	4
Electromagnetic Compatibility (EMC)—Part 4-16: Testing and Measurement Techniques—Test for Immunity to Conducted, Common Mode Disturbances in the Frequency Range 0 Hz to 150 Hz	61000-4-16	ns	4
Electromagnetic Compatibility (EMC)—Part 4-17: Testing and Measurement Techniques—Ripple on D.C. Input Power Port Immunity Test	61000-4-17	ns	3



## Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
<b>Electromagnetic Compatibility (cont'd)</b>			
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 1: Radio Disturbance and Immunity Measuring Apparatus	CISPR 16-1	ns	3
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 2: Methods of Measurement of Disturbance and Immunity	CISPR 16-2	ns	3
Information Technology Equipment—Radio Disturbance Characteristics—Limits and Methods of Measurement	CISPR 22	ne	3