

Perspectives

2009 Canadian Electrical Code: Innovations and Solutions

The Canadian Standards Association (CSA) introduced the new 2009 CE Code in early January. It represents a cornerstone of electrical safety. Together, with consumers, the manufacturers who make electrical products, accredited certification organizations that test and certify those products, and regulators who enforce electrical safety requirements, standards are critical to electrical safety.

Since 1927, the CE Code, Part I, has been the basis for the installation and maintenance of electrical equipment in Canada. Regularly updated to address changing technology and safety requirements, the CE Code series consists of three parts: Part I – Installation; Part II – standards for construction, testing and making of electrical equipment; Part III – outside wiring.

The CE Code, Part I, lays out requirements for the installation and maintenance of electrical equipment. It also requires that electrical products referenced in the code be “approved,” to a specific Canadian Electrical Product Standard.

The 2009 CE Code, Part I, includes numerous updates, including:

- tamper-resistant receptacles in dwellings;
- a new section on passenger ropeways and similar equipment (ski-lifts, tow ropes and similar installations);
- new bonding requirements for swimming pools;
- primary seals where electrical equipment is mechanically connected to piping containing flammable liquids or gases;
- the consolidation of equipment requirements for Class I Zone 2 hazardous locations;
- recognition of new cable types such as communication-under carpet and cross-connect wires and cables;
- updates to motor overload protection requirements to recognize electronic overload technology and motors installed in hazardous locations;
- recognition of plug-in combination kitchen microwave/range hoods;

- and a re-write of Section 46 to recognize and specify requirements for connection of non-mandatory equipment to emergency power supplies.

The 2009 CE Code is the culmination of an intensive, far-reaching stakeholder engagement process. Hundreds of people contributed their ideas, insights and expertise to the document. In terms of formal structure, the Technical Committee consists of 41 voting members, representing a balanced matrix of all provincial and territorial regulatory authorities, the federal government, municipal regulatory authorities, consumers, consultants and contractors. It also includes conformity assessment organizations, utilities, telecommunication companies, homebuilders, colleges, universities, electrical equipment manufacturers, labour, worker safety boards, fire insurers, designers, solar power installers, and many others.

The committee also drew on the perspectives of representatives from the United States, Mexico and the Bahamas. The CE Code will be referenced in safety legislation in all Canadian jurisdictions as well as in the Bahamas.

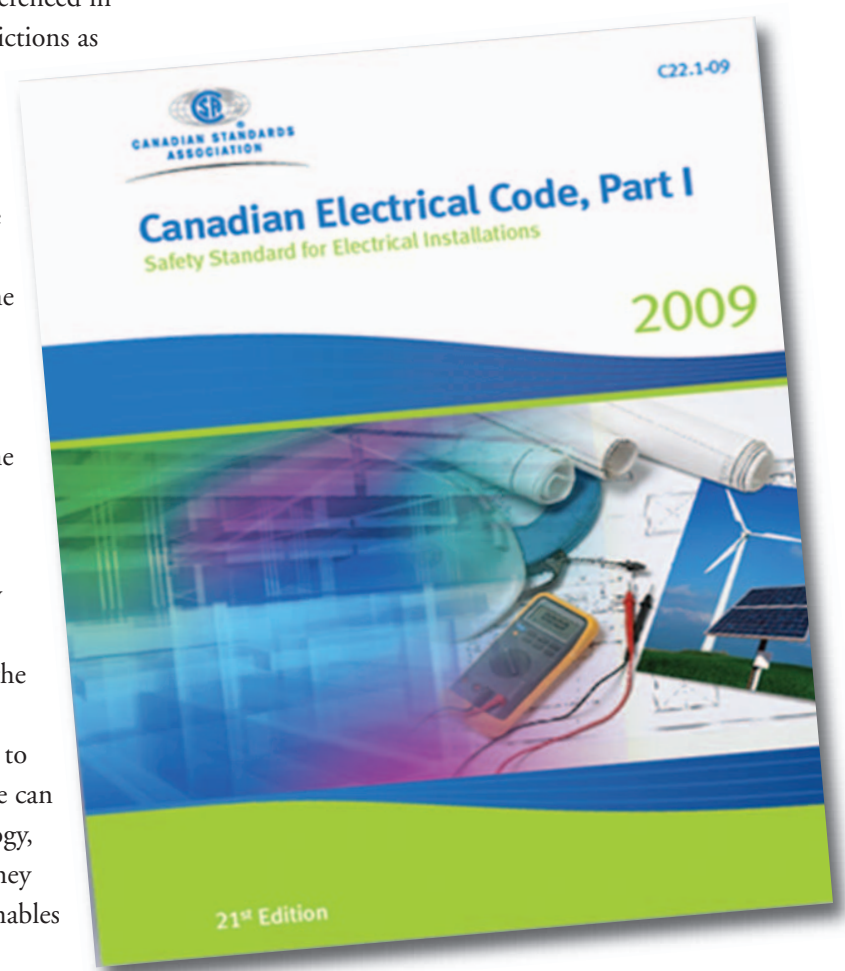
The 21st edition of the CE Code moved onto a three-year cycle after consultation and agreement among the CE Code Executive Committee members, the Technical Committee, the Strategic Committee on the Requirements for Electrical Safety (SCORES), the National Public Safety Advisory Committee (NPSAC), and the Provincial Territorial Public Advisory Committee on Codes (PTPACC).

The three-year cycle supports three key objectives: first, it helps ensure that changing safety requirements get into the hands of Canadians faster, thereby contributing in a more immediate way to public safety; second, it means the code can better reflect advancements in technology, and equips users with the knowledge they need to remain current; and third, it enables

CSA to remain aligned with the National Electrical Code of the U.S. These are important benefits that will help maintain Canada’s reputation on the world stage with respect to electrical safety.

It will be up to Provincial or Territorial legislators to review and adopt the 2009 CE Code into legislation by reference, together with any amendments needed to address regional conditions and determine when the code will be effective in each province or territory.

CSA also launched the Objective Based Industrial Electrical Code (OBIEC) - Part IV. It was developed over the last five years with extensive stakeholder consultations occurring over the last two years. Although not immediately being adopted by any jurisdiction, the OBIEC was published in January 2009. It maintains the CEC Parts I & II as the minimum acceptable level of safety, and includes detailed product selection criteria.



In this issue

Applications and Training for the 2009 CE Code	2
An Invitation to all CSA Members With Sincere Thanks ...	3
Access to OH&S Standards	3
GHG CleanStart™ Registry Launched	4

CSA to Assist Manitoba Government with GHG Emission Reporting	4
Personnel Certification Program for GHG Verifiers	4
What Does Green Really Mean?	4
New Chairs for ISO/TC 176 and 207	5
CSA to Develop Canada's First Personnel Certification and Training Program for Medical Sterile Services Technicians	5

Partnership to Improve Canada's Infrastructure	5
Winners of the CSA America Awards for Outstanding Achievement in Standards	6
Agency Wins Award for CSA Video	6
Richard Papa New Vice President, Standards, CSA America	6
Doug Morton Joins CSA as Director, Life Sciences & Business Management	6

Z1600 Emergency Management Standard Unveiled	7
Standard for Vehicles Used to Transport Children for School-Related Activities	7
CSA Learning Centre	8
Conferences and Events	8

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CANADIAN STANDARDS ASSOCIATION

Applications and Training for the 2009 CE Code

The Canadian Electrical (CE) Code is the cornerstone of public health and safety when it comes to electrical installations.

The 21st edition of the CE Code is a large document and it contains many important changes that will help optimize safety and advance trade for the electrical industry.

In order to enable a swift transfer of knowledge, the Canadian Standards Association (CSA) is introducing a variety of documents and resources, new training and education initiatives, and groundbreaking delivery formats. The goal is to provide users with unprecedented convenience, easy access and flexible choices.

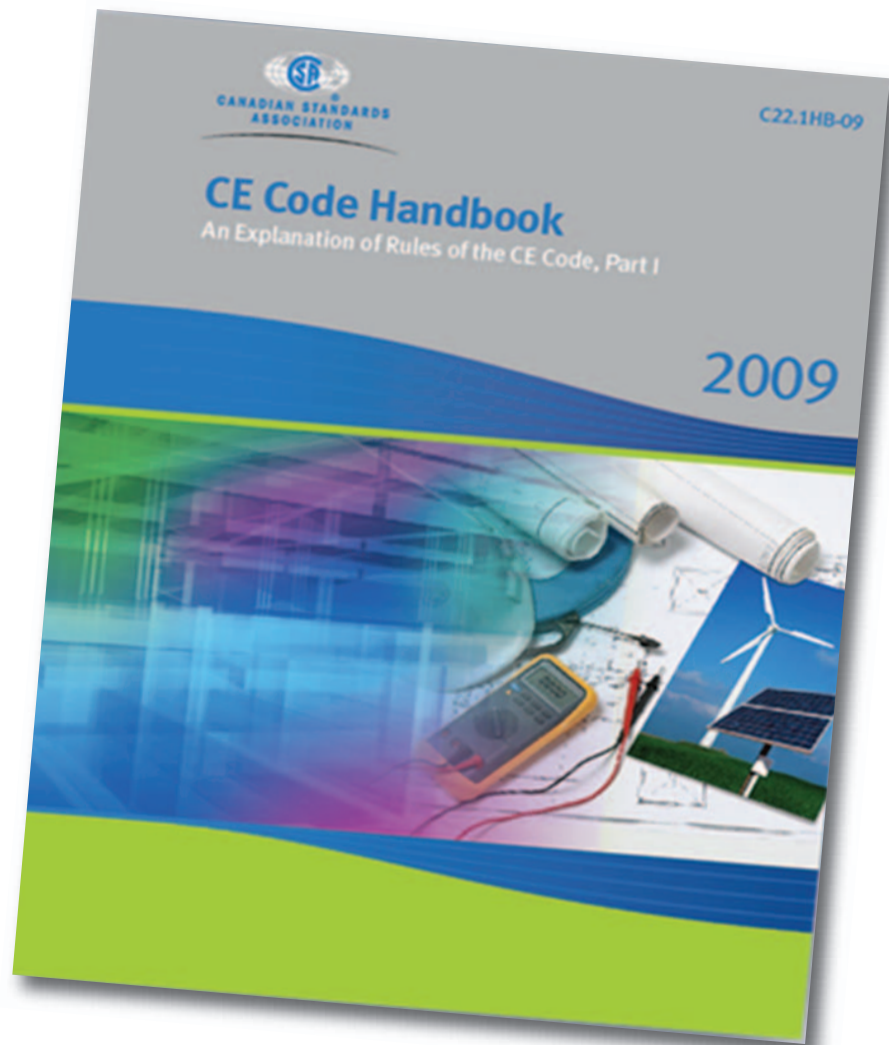
CSA created two publications that support the use of the new CE Code. Each of these is designed to illuminate specific aspects of the code, and provide practical help in applying the requirements.

The Pocket Guide is provided with the CE Code. It's a handy, value-added guide that gives easy access to key tables, in a format that users can carry with them in the field.

The CE Code Handbook provides clear, concise explanations and rationales for CE Code requirements. An updated version will be published at the end of February.

Another area CSA is expanding is education and training. For many years, CSA has offered training seminars geared to the learning needs of inspectors and industry. They were refreshed with new content from the 2009 CE Code, providing users with a thorough grounding in the changes, including their rationale, intent and impacts. The training program will be available in French in the spring.

Even before the 2009 CE Code was published, CSA offered a Conference Series on Electrical Safety. These events were specifically designed to provide provincial regulatory bodies the forum for communicating provincial issues to stakeholders. Held in five different cities across the country in the fall of 2008, these conferences maintained a strong regional focus, and drew on local case studies and industry examples. They featured subject matter experts who can relate the CE Code to provincial regulatory requirements. Presenters also covered the new CSA Z462 Standard,



Electrical Safety in the Workplace, and provided insight as to how these standards will affect the workplace of the future.

To supplement this series, provincial regulators will be able to draw on a comprehensive set of tools to train their inspectors. For example, a new Training and Inspector's Guide, gives a concise briefing on the key changes and rationale. CSA is launching a series of eLearning training modules. Easily available through a Web browser, these modules provide convenient access to self-training, anytime, anywhere.

For those preparing for the Certificate of Qualification exam, CSA is offering two other critical resources: the Electrician's Self-Assessment Tool (or ESAT), and a companion ESAT Study Guide. The ESAT allows users to test their knowledge in advance of the exam, and pinpoint any areas that require further study. The companion study guide enables users to clearly understand the requirements and the knowledge needed to pass the examination.

In addition to the print document, CSA is once again offering a "Smart Standard" on CD-ROM. This contains the full text of the 2009 CE Code, Handbook and value-added features that accelerate the work of users. CSA Smart Standards have content hyper links, automated tools and provide for interactive calculations, all in an easy-to-navigate and customizable format.

Finally, the newest delivery method for the CE Code is an additional format: mobile device format (MDF). This solution enables users to download a software reader and the 2009 CE Code right to their mobile device. This convenient delivery method will provide "standards on the go" for inspectors in the field, contractors and engineers on location, and equipment

installers and plant supervisors in remote regions. Once the Code is downloaded, no Internet connection is required.

The 2009 Canadian Electrical Code is priced at \$150 CAD. It is available online at www.shopcsa.ca, by calling CSA Standards Sales at 800-463-6727, or by e-mail at sales@csa.ca. The code is available in print, PDF and the new Mobile Device Format (MDF). To help industry understand and apply the code, CSA's Learning Centre is offering numerous training programs and seminars. Information on training is available at <https://learningcentre.csa.ca/>

For the first time ever, by the end of January 2009, the CE Code will be sold through a major Canadian retailer as Mark's Work Warehouse begins offering the code for sale at point-of-purchase displays across Canada.



An invitation to all CSA members



Suzanne Kiraly

The Canadian Standards Association cordially invites members and volunteers to CSA's Annual Conference & Committee Week, June 14 to 19 in Gatineau, Quebec, across the river from Ottawa. Members will have the opportunity to meet with policy experts, colleagues, government officials and business leaders to develop and advance solutions that will address the needs of people and business, all while enjoying the sites and sounds of Canada's national capital.

This year's theme is Creating Value – Building Trust: Standardization for the 21st Century. Frank McKenna is the keynote speaker. McKenna is a businessman and former politician and diplomat. He is currently Deputy Chairman of the Toronto-Dominion Bank. He served as Canadian Ambassador to the United States from 2005 to 2006. He served as Premier of New Brunswick from 1987 to 1997.

Take the opportunity to network with colleagues, attend interactive sessions, participate in lively discussions and discover the important role standards play in our society. The conference is a valuable opportunity to connect with colleagues and contemporaries at interactive workshops while working to ensure that standards work for people and business.

CSA members are entitled to complimentary conference registration. To find out more about the program and agenda – including supporter opportunities that create visibility for your organization in the standards community, visit the CSA annual conference website at <http://annualconference.csa.ca>.

I hope you will take the opportunity to join us in Gatineau at the Hilton Lac Leamy perched on the shores of the Ottawa River.

With best wishes.

Yours truly,

Suzanne Kiraly

President, Standards
Canadian Standards Association

Mark Your Calendar!

Creating Value—Building Trust

Standardization
for the 21st
Century



Keynote Speaker
Frank McKenna

2009 ANNUAL CONFERENCE
& COMMITTEE WEEK



CANADIAN STANDARDS
ASSOCIATION

JUNE 14 – 16, 2009

Committee meetings to June 19

HILTON LAC LEAMY, GATINEAU, QUEBEC

<http://annualconference.csa.ca>

With sincere thanks ...



Doug Morton, Director, Life Sciences and Business Management, CSA, left, presents a plaque to Dr. Michael Noble in recognition of his contributions as chair of the CSA Medical Laboratory Quality Systems Technical Committee (Z252) and his work with ISO at the international level.

Dr. Noble is a professor in the Department of Pathology and Laboratory Medicine at the University of British Columbia and serves as vice-chair of the TC Z252. He served as chair of the TC since 1999. Dr. Noble remains a member of CSA Strategic Steering Committee on Healthcare Technology.

Access to OH&S Standards

The Canadian Standards Association (CSA) launched a two-year pilot project to increase accessibility to CSA Occupational Health and Safety (OHS) standards by offering users access to online viewing in October. The View Access initiative has been developed in collaboration with federal, provincial and territorial OSH governmental agencies. It will allow registered users to access OHS standards referenced in various Canadian jurisdictions and view the full content through CSA's website www.ohs.csa.ca

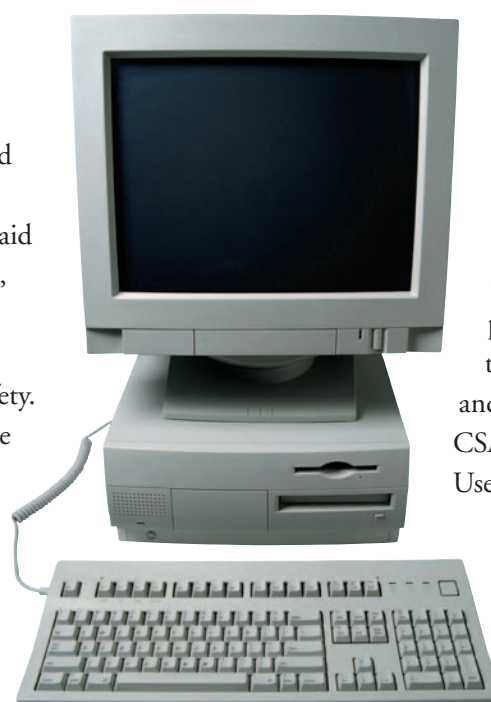
“Appropriate occupational health and safety practices can mean the difference between life and death,” said Suzanne Kiraly, President, Standards, CSA. “This initiative will especially help small and medium-sized organizations improve workplace safety. By making these documents available we hope that companies will know and apply occupational health and safety standards.”

For more than 55 years, CSA has worked with the experts to develop occupational health and safety standards to help safeguard Canadian workers. View Access is a source for employers to learn more about their rights and obligations under the law related to OHS and it provides additional resources that can help employers understand and apply OHS standards. CSA believes this type of stakeholder

collaboration is fundamental to the safety of working Canadians.

Federal, provincial and territorial OSH governmental agencies are funding the development and maintenance of the initiative as a two-year pilot project and will continue to monitor the overall usage and impact in cooperation with CSA over the project period. Users can now log into the View

Access website directly at www.ohs.csa.ca



GHG CleanStart™ Registry Launched

Reducing greenhouse gas (GHG) emissions has become a business reality. The Canadian Standards Association (CSA) launched its new GHG CleanStart™ Registry, an easy-to-use web-based tool in October 2008. It provides a framework for reporting an organization's GHG inventory and assisting businesses of all sizes by providing information to help them achieve carbon neutrality.

The GHG CleanStart™ Registry is designed for organizations, governments, and other users to showcase how they have measured their carbon footprint and how they plan to reduce it. The GHG CleanStart™ Registry offers guidance and tools to help better understand the process involved in establishing a carbon footprint, and the steps involved in reducing, offsetting and eliminating emissions. It is a way to publicly showcase efforts and gain recognition for achievements. The GHG CleanStart™ Registry is accessible worldwide at www.carbonperformance.org.

Registration involves four essential steps:

1. Complete an application form to make intent public.
2. Measure current carbon footprint and complete the Carbon Footprint Report (the GHG CleanStart™ Registry website offers a number of calculators, templates, checklists and guidance materials).
3. Document actions, purchases of renewable energy certificates and ownership of verified emission reductions to offset emissions in the *Carbon Neutral Report*.



4. Obtain third-party verification in a manner consistent with ISO 14064-3.

Organizations that complete steps satisfactorily as determined by CSA will receive a CSA carbon neutral certificate and/or a letter of participation.

CSA to Assist Manitoba Government with GHG Emission Reporting

On October 30, the Canadian Standards Association (CSA) announced that it is assisting the Government of Manitoba by providing content for its new provincial greenhouse gas (GHG) emissions reporting website. The website provides access to tools developed by CSA that will help people to understand the sources of greenhouse gas emissions, how to measure them, how to reduce them and where to find guidance and professional help.

Under the first phase of an agreement, CSA has liaised extensively with the Manitoba Government since April 2007 to propose a variety of possible solutions for the exchange of

information to help proponents develop and showcase GHG emission reducing projects. The second phase of Manitoba's Green Registry coming in 2009 will address the exchange of information about the supply of verified emissions reductions and demand from organizations wishing to reduce their GHG footprint. This will form the basis for establishing voluntary, market-based emissions reductions activity in Manitoba.

The Green Registry website is organized into categories providing resources for Manitoba residents, businesses and greenhouse gas emissions reduction project developers. To learn more about the site, visit www.greenregistry.org

What Does Green Really Mean?

The Competition Bureau, in collaboration with the Canadian Standards Association (CSA) released guidelines that provide the business community with the tools to ensure that green marketing is not misleading, while providing consumers with greater assurance about the accuracy of environmental claims.

Environmental Claims: A Guide for Industry and Advertisers addresses a number of commonly used green claims and provides examples of best practices on how such claims can be used by businesses to comply with the false or misleading provisions of the laws enforced by the Competition Bureau. Among other practices, the guide states that:

- the use of vague claims implying general environmental improvement are insufficient and should be avoided;
- environmental claims should be clear, specific, accurate and not misleading;
- environmental claims should be verified and substantiated, prior to being made.

"Environmental claims are of increasing importance as new and innovative 'green' products appear in the market daily," said Suzanne Kiraly, President, Standards, CSA. "CSA utilized its expertise in developing standards that can assist Canadian businesses and advertisers to make more accurate environmental claims. This will help consumers to make informed choices when purchasing products that claim to have a lower overall impact on the environment."

Although the guide is not law, following the best practices outlined will help businesses to avoid making misleading claims that contravene the laws enforced by the bureau. The guide will be used by the bureau to assess environmental advertising that raise concerns under its legislative mandate.

For more information, visit: www.csa.ca

Personnel Certification Program for GHG Verifiers

CSA America developed a personnel certification program for individuals that perform third-party greenhouse gas (GHG) verification services in regulatory and voluntary.

The creation of the program is being led by stakeholders and subject matter experts in the United States and will be developed, operated and maintained by CSA America under the structure of

the international *ISO 17024 Conformity assessment – General requirements for bodies operating certification of persons standard*. The GHG Verifier program will complement existing and future CSA America certification programs and will help provide an added level of confidence to the industry. For more information, visit:

www.csaamerica.org/personnel_certification/ghg_verifier

New Chairs for ISO/TC 176 and 207

Two new chairs have been named to ISO Technical Committees in 2008.

On April 2, Dr. Gary Cort was named as the new incoming Chairman of ISO/TC 176 on Quality Management & Quality Assurance for the period 2008-2013. He succeeds Trevor Smith, who has served as chairman since 2002.

Dr. Cort began his career at the Los Alamos National Laboratory in the United States in 1980 after earning his doctorate in physics from Texas A&M University. As postdoctoral fellow at Los Alamos, Dr.

Cort conducted research into superconductivity and magnetism. After a brief period working on Space Shuttle flight systems at NASA's Johnson Space Center, he continued his career at Los Alamos as a manager for software engineering at the Neutron Scattering Center, the Yucca Mountain Project and the Strategic Defense Initiative.

Dr. Cort joined Research in Motion Limited in Waterloo, Ontario in October 2003 holding the position of Vice-President, Software Quality.

On August 28, the ISO Technical Management Board approved Dr. Robert (Bob) Page as the new chair of ISO/TC 207 on Environmental Management.



Dr. Gary Cort



Dr. Robert Page

Dr. Page is currently the TransAlta Professor of Environmental Management and Sustainability, Energy and Environmental Systems Group, Institute for Sustainable Energy, Environment, & Economy at the University of Calgary where he is also an adjunct professor in the Haskayne School of Business.

Dr. Page holds a bachelor of arts (honours) and master of arts degrees from Queen's University at Kingston, Ontario, and a doctorate in international relations from Oxford University in England.

Partnership to Improve Canada's Infrastructure

Canadians will benefit from infrastructure that is better planned and managed as a result of an agreement between the Government of Canada and the Canadian Standards Association (CSA) announced in the summer of 2008. Drawing on its expertise in standards setting and training, CSA will provide innovative solutions to infrastructure challenges through the development of best practice guides, new standards, and training modules for the practitioners responsible for most of civil infrastructure. This initiative will provide municipalities with additional expert knowledge and advice in developing and managing the strongest, safest and best infrastructure possible. The *Municipal Infrastructure Solutions Program (MISP)* will result in more effective and cost-efficient infrastructure projects.

CSA will coordinate volunteer experts to develop these tools for municipalities which reflect the issues and concerns of today's infrastructure planners and managers. A key goal is to update management practices and foster skills development within municipalities to ensure that infrastructure is designed for, and adapted to, a changing climate.

The *MISP* will be administered and marketed by CSA. Municipalities and municipal service providers should be able to access the program's first training modules by early 2009. Additional partnership and funding opportunities will also be sought from stakeholders that wish to support the long term sustainability of the project.

For more information on the Building Canada plan, please visit www.csa.ca/infrastructure.

CSA to Develop Canada's First Personnel Certification and Training Program for Medical Sterile Services Technicians

The Canadian Standards Association (CSA) is working on the first personnel certification and training program for sterile processing technicians in Canada. The program is intended to help improve public safety, patient confidence and help reduce deaths, illnesses and injuries due to improper sterilization of medical equipment.

Nosocomial infections are secondary infections that are acquired while undergoing treatment in a hospital or healthcare facility. The Canadian Nosocomial Infection Surveillance Program estimates 220,000 Canadians develop hospital-acquired infections each year and approximately 8,000 will die from them. As infections become increasingly more resistant to treatment, the role of medical sterile services technicians is becoming even more vital in preventing the spread of serious and deadly diseases.

The new CSA personnel certification program will constitute the benchmark against which to measure training and policies for sterilization practices at healthcare facilities. It will reference Canadian standards and best practices and will be designed to meet the needs of industry and regulators that are calling for the most up-to-date, consistent and relevant procedures for the cleaning, decontamination, disinfection and sterilization of all medical devices.

CSA has assembled a technical committee to establish the formal requirements for the examination, administration and certification of Sterile Services Technicians. It is anticipated the program will be ready in 2009.



Winners of the CSA America Awards for Outstanding Achievement in Standards

On September 30, CSA America, Inc. announced the recipients of its 2008 Awards for Outstanding Achievement. This is the second year that the CSA America Awards were presented to individuals, committees and organizations for exceptional service and achievement in the area of standards development. The ceremonies were opened by Suzanne Kiraly, President, Standards, CSA, and the awards were presented by Spencer Grieco, then Vice President, CSA America, at a special gala during the CSA America Annual Conference at the Westin La Paloma Resort and Spa in Tucson, Arizona.

“The CSA America Awards for Outstanding Achievement are presented in recognition of the immeasurable contributions made toward the development and promotion of standards,” said Kiraly, “We owe the recipients in each category an enormous debt for their selfless – and sustained – efforts. Their expertise, hard work, and devotion to standards development have direct impacts on our daily lives, contribute to the betterment of society, and advance our community well being. I want to take this opportunity to personally thank them for helping us make standards work for people and business.”

Personal Awards of Distinction, CSA America’s most prestigious award honoring remarkable leadership within the CSA America standards program over the tenure of an individual’s service, through technical, administrative, or special standards activities, were awarded to the following individuals:

- **Carmen Rossi** of Tonawanda, New York received the Award of Distinction in recognition of his history as a founding member of the Natural Gas Vehicle (NGV) Technical Advisory Groups (TAG).
- **Gini Sage** of Oshawa, Ontario has been actively involved in CSA America programs since 2004, and currently serves on several NGV/HGV TAGs.
- **Bill Young** of Cleveland, Ohio was first appointed to the Refrigerator and Camping Subcommittee and the Construction Heater Subcommittee in 1970 and, appointed Chairman of those groups in 1973 and 1974, respectively, he continues in those roles today.

CSA America Divisional Medal awards were presented to the following groups for outstanding work by a Technical Advisory Group (TAG) or Technical

Committee (TC) in protecting consumer safety through the advancement of safety technology or practices consistent with sound engineering:

- **Automatic Gas Controls Technical Advisory Group** received the CSA America Divisional Medal award for taking on the monumental task of mobilizing three Standards Development Organizations and creating a harmonized standard for burner ignition based on international, U.S. and Canadian standards.
- **Stationary Fuel Cell Technical Advisory Group** received the CSA America Divisional Medal award for leadership and commitment to the development and harmonization of standards for fuel cell technology.

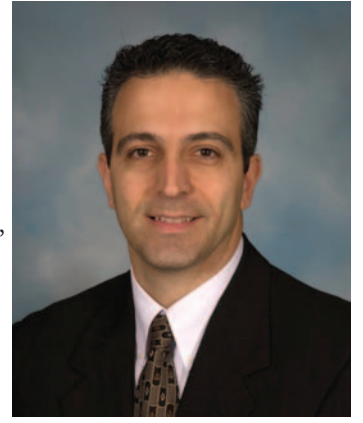
Corporate Awards of Merit were presented to the following organizations for outstanding achievement by a participating company or organization based on a high level of involvement in CSA America standards programs:

- **Atmos Energy Corporation** is the largest natural gas-only supplier in the United States, serving about 3.2 million customers in approximately 1,600 communities.
- **Maxitrol Company**, an international manufacturer of gas pressure regulators and electronic gas modulation systems, has been continuously involved in the standards development process for over 50 years, currently serves on seven joint US-Canadian TAGs covering more than 20 individual standards.
- **White-Rodgers Division – Emerson Electric**, has been instrumental in the activities of the Z21/83 Standards Program for more than 30 years.
- **General Motors** has provided outstanding leadership and commitment throughout the development of the Hydrogen Gas Vehicle series of standards, serving on the Advisory Council, Technical Committee and various Technical Advisory Groups.

CSA America Service Awards were also presented to 24 individuals in appreciation for commitment to CSA America programs as active members of one or more Technical Advisory Groups or Technical Committees for at least five years and with an 80 per cent participation level.

Richard Papa New Vice President, Standards, CSA America

Richard Papa was appointed as Vice President, Standards, CSA America Inc., in December, 2008.



Richard Papa

A resident of Twinsburg, Ohio, Papa joined CSA America from Associated Materials, Inc., in Cuyahoga Falls, where he served as Product Manager, Vinyl & Metal Products. Prior to that, he was Manager of Operations at GE Reuter-Stokes Inc., in Twinsburg.

“I see great value in the role that standards play in society,” says Papa. “Standards are the basis for safety, quality and increased competitiveness for companies,” says Papa. “They enable us to build programs that work for our clients such as personnel certification programs, climate change services, advisory services and other innovative areas. It is an exciting time to be part of this growing, solutions-oriented organization dedicated to improving public safety and making standards work for people and business.”

He earned a bachelor of science degree in manufacturing engineering technology at Kent State University in Ohio in 1990.

Doug Morton Joins CSA as Director, Life Sciences & Business Management

On September 10, Doug Morton joined CSA as Director, Life Sciences & Business Management.



Doug Morton

An accomplished senior executive with more than 20 years experience in the healthcare, life sciences, biotechnology, infrastructure, as well

as communications information technology sectors, he has also served as a board member of Neuro-Vision Sciences Inc. at McGill University, an industry executive member of the President’s Advancement Council of The Michener Institute for Applied Health Sciences, a member of the Council of Security Executives of The Conference Board of Canada, and is past Chair of the Medical Imaging & Information Systems Council of Electro-Federation Canada.

Prior to joining CSA, Morton led a successful private consulting practice, as well as leading major divisions within corporations such as Siemens and Bell Canada. He also has extensive international operating experience, having successfully completed multi-year assignments in both Europe and the Middle East.

“I’m very pleased to be part of the CSA team,” says Morton. “The organization has a tremendous history of accomplishment and well deserved pride, but also recognizes that change will be required in order to continually advance and serve its stakeholders well. I look forward to contributing to that process, and ensuring the next phase of the company’s success.”

Agency Wins Award for CSA Video

Creativeworks Productions Inc., Toronto-based video production company, was recently announced as an award winner in last year’s prestigious Crystal Vision Awards competition for their video, Mobile Productions, based on the Canadian Standards Association’s delivery of standards over mobile device formats such as the BlackBerry or other portable devices.

“CSA congratulates Creativeworks Productions Inc. on winning the distinguished Crystal Vision Award,” said Suzanne Kiraly, President, Standards, CSA. “The Mobile Productions video is an important strategic component of our overall business strategy to promote the use of

standards on mobile devices such as PDAs and cell phones.”

This video is now being used as a communication tool – it makes information available on a mobile device, eliminating the need for a computer to access the same information, saving time and money.

“We are thrilled to have won this prestigious international video award,” said Creativeworks Productions Inc. principal, Doug Hohener. “I would like to thank the Canadian Standards Association for the opportunity to work with a global leader.”

The Crystal Vision Awards honours the best in television and film productions.

Z1600 Emergency Management Standard Unveiled

At a news conference on October 8, the Canadian Standards Association (CSA) officially announced an emergency management and business continuity programs standard, CSA Z1600, designed for private and public organizations of all sizes to use if disaster strikes. This new standard is based on the (NFPA) 1600 Disaster/Emergency Management and Business Continuity Programs standard.

“A company without an emergency management and business continuity program is like a homeowner without insurance,” said Suzanne Kiraly, President, Standards, CSA. “A natural or human-induced disaster can happen anywhere at any time and CSA Z1600 can improve the likelihood of organizations keeping their employees safe and their business running if disaster strikes.”

CSA Z1600 outlines the requirements for a comprehensive emergency management program that incorporates a risk-based, all-hazards methodology, integrating emergency management and business continuity programs for a total



Blizzard



Flood

program approach. The comprehensive standard also serves as a benchmark, allowing organizations to evaluate or initiate an emergency management and business continuity program that will work for them.

“It has become increasingly important that public organizations and private businesses of all sizes be prepared for the fullest range of disasters that can strike,” said NFPA President James M. Shannon. “NFPA was extremely proud to build on our longstanding relationship with CSA to support the development of CSA Z1600 which will provide the blueprint for companies throughout the country.”

Traditional emergency programs have focused on preparedness and response. CSA Z1600 is the first Canadian standard that includes both emergency and business continuity planning giving Canadian organizations a framework to manage risks and hazards more proactively.

Many public and private stakeholders have expressed a strong interest in ensuring that emergency management, security systems and standards evolve to be truly North American in scope and application. This demand led to the adaptation of

NFPA 1600, the well-regarded U.S standard in this area, which is the foundation for CSA Z1600.

The standard was also developed in consultation with a wide range of stakeholders, including first responders, private sector and non-governmental organizations, emergency management and business continuity specialists, and various levels of government, including Public Safety Canada.

To better assist stakeholders in understanding and applying the CSA Z1600 standard, CSA’s Learning Centre is offering seminars that will cover the elements required for a comprehensive program as outlined in the new Emergency Management and Business Continuity Programs standard. Also included are case studies and exercises to maximize understanding and facilitate application of the standard. Sessions will be held in a variety of locations through the year. To learn more, or obtain a copy of the standard in English or French, visit the CSA Learning Centre online at <https://learningcentre.csa.ca> or the CSA website at www.csa.ca or call 1-800-463-6727 for more information.



Mill Fire

Standard for Vehicles Used to Transport Children for School-Related Activities

The new CSA D270 standard for multi-functional activity buses (MFAB) is the first Canadian standard developed to provide voluntary requirements for the new proposed class of vehicle. MFABs are intended to be used as a safer alternative to vehicles not classified as a school bus but which are still used to transport groups of school-aged passengers to sporting events, community activities or other such educational or childcare facilities and outings.

“CSA has extensive expertise in developing national standards for school buses,” said John Walter, Vice President, Standards Development, CSA. “We have

applied that same expertise to the new multi-functional activity bus standard. The intent was to develop a standard for a type of vehicle that is not classified as a school bus but that is still used to occasionally transport students to events and activities and therefore should be built to very similar standards for safety and construction.”

Construction standards such as joint strength, crashworthiness, rollover protection, emergency exits, compartmentalization, and numerous safety features which are designed to make the school bus one of the safest vehicles are part of the requirements for the MFAB standard. The new standard does not

include requirements for traffic and pedestrian controls devices such as warning lamps or stop arms as these buses are not to be used for roadside pick-up and drop-off of passengers.

CSA school bus and MFAB standards alone cannot prevent accidents and they are not substitutes for thorough, ongoing, and comprehensive safety training of drivers and monitoring of passengers. Road conditions, weather, vehicle maintenance, traffic laws, speed, driver fatigue and health, and other risk factors must also be taken into account when operating any vehicle.

Upcoming EVENTS 2009 WINTER

CSA Education & Training offers scheduled seminars, private on-site training sessions and eLearning on the following topics:

Conferences

- 2009 CE Code / CSA Z462 - A conference on electrical safety – Toronto March 4 – 5, 2009
- 2009 Forum sur le retraitement et la stérilisation des appareils médicaux réutilisables – Montréal 24 – 25 mars 2009
- CSA Climate Change Conference 2009 – Toronto September 2009

Electrical Training

- 2009 Canadian Electrical Code Essentials **NEW**
- Workplace Electrical Safety Workshop Based on CSA Z462 **NEW**

Risk and Emergency Management

- CSA Z1600 Essentials Emergency Management and Business Continuity Programs **NEW**
- CSA Z1600 Emergency Management and Business Continuity Auditing Programs **NEW**
- Effective Solutions Using Root Cause Analysis
- Emergency Electrical Power Supply for Buildings – Based on CSA C282
- Emergency Preparedness and Response – Based on CAN/CSA Z731
- Risk Management: A Practical Guideline for Decision Makers

Quality Management Training

- ISO 14001 Training Series
- ISO 22000 Food Safety Management System Series
- ISO 9001:2008 Training Series **COMING SOON**
- OHSAS 18001 Training Series
- Process Auditing
- Process Mapping

Climate Change

- Measuring your Organization's Carbon Footprint: ISO 14064-1 Essentials - GHG Inventories
- Reducing your Organizational Environmental Impact: ISO 14064-2 Essentials - GHG Projects
- Carbon Emission Reduction Expert Course ISO 14064-2 Expert - Greenhouse Gas Projects
- Greenhouse Gas Validation Using ISO 14064
- Greenhouse Gas Verification Using ISO 14064

Occupation Health & Safety Training

- Fall Protection Series (in collaboration with Fall Protection Group Inc.)
- Inspection & Maintenance of Steel Storage Racks (in collaboration with IAPA)
- Lockout - Control of Hazardous Energy
- Principles of Risk Assessment - based on ISO 14121
- Respiratory Protection Series
- Safeguarding of Machinery (in collaboration with IAPA)
- Workplace Electrical Safety Workshop Based on CSA Z462 **NEW**
- Z1000 Training Series – OHS Management System Implementation

Oil & Gas

- Composite Piping – Based on Clause 13, CSA Z662-07 **NEW**
- Oil & Gas Pipeline Systems – Based on CSA Z662-07
- Pipeline Integrity Management – CSA Z662-07 Specialty Course **NEW**
- Pipeline Welding and Inspections – Based on CSA Z662-07 Specialty Course **NEW**
- Process Piping - ASME B31.3 / CSA B51

Healthcare

- Fundamentals of Infection Control during Construction, Renovation or maintenance of Healthcare Facilities
- HVAC In Healthcare Facilities
- Managing Essential Electrical Systems in Healthcare Facilities – As related to Standby Generators
- Practical Applications in Infection Control during Construction, Renovation or Maintenance of Healthcare Facilities **NEW**

Fire Services

- ISO 27001 Essentials

Information Security

- ISO 27001 Essentials

Aerospace

- AS9100B Training Series
- AS9110 Training Series **NEW**

eLearning Products -

INTERACTIVE ONLINE LEARNING

- Business In Balance: An Introduction to ISO 14001:2004
- "Award Winning" Business in Balance: Implementing ISO 14001:2004 **NEW**
- Quality At Work: An Introduction to ISO 9001:2000
- Quality At Work: Implementing ISO 9001:2000
- Response Ready Simulation Tool
- Safety At Work: An Introduction to CAN/CSA-Z1000-06
- Safety At Work: An Introduction to OHSAS 18001:2007

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COURSES

- 2009 Canadian Electrical Code – Regulators Update Training **NEW**
- Electrical Safety for Professionals (Arc Flash) Online Training
- ESAT Online
- ISO/IEC 27001: Information Security Online Training

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