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# CONSENSUS

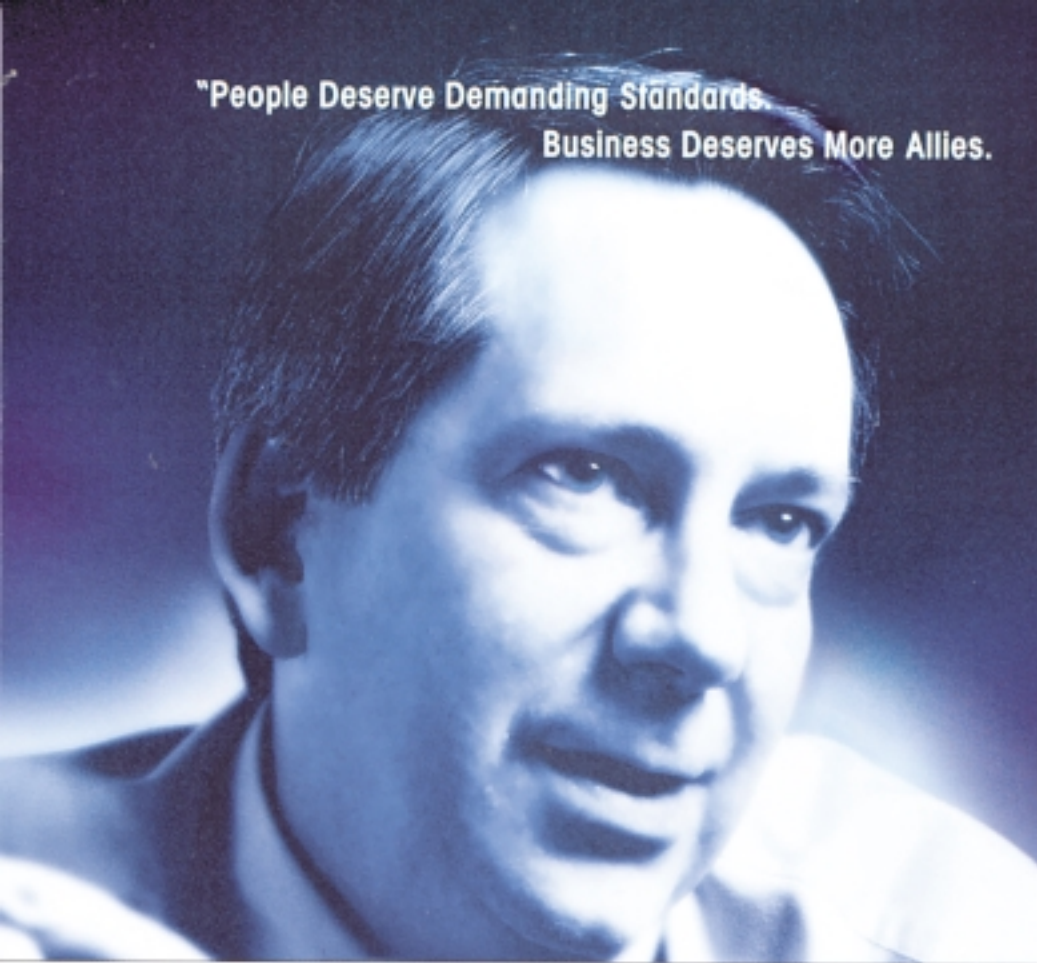
*Canada's Newsmagazine of Standardization*



Standards  
*for an aging world*

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Business Deserves More Allies."

"We Answer With Solutions."



Robert Griffin  
President & CEO- CSA International

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## CONSENSUS

Canada's Newsmagazine  
of Standardization

45 O'Connor Street, Suite 1200  
Ottawa, Ontario K1P 6N7  
tel.: (613) 238-3222, fax: (613) 569-7808,  
e-mail: info@scc.ca

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**Editor, Lesly Bauer** (lbauer@scc.ca)

**Associate editor, Derek Stevenson** (dstevenson@scc.ca)

**Writer, Christina Van Loon**, (vanloonc@scc.ca)

**Design, production and advertising sales, Guy Ethier** (gethier@scc.ca)

**Translation, Hélène Couturier, Jeanne Reinhart**

**Subscriptions, Jeff Holt** (jholt@scc.ca)  
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Please direct letters and comments to the editor of CONSENSUS, Lesly Bauer, using the information on this page.



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Go to <http://www.scc.ca> and click on "search centre".

### Canadian Standards Strategy

The Standards Council of Canada and its Stakeholders Advisory Council have created a draft Canadian Standards Strategy. The document has been posted at SCC.CA for public comment. Everyone interested in standards is invited to review the draft and provide feedback.



minister, Industry Canada. "When the Automotive Industries Association of Canada (AIA) invited us to follow their progress, we quickly realized that their experience would be valuable for other associations considering ISO 9000."

Based on that experience and additional advice provided by federal government partners and private sector experts, Industry Canada developed a publication that explains the elements of the ISO standards and gives concrete examples of how they can be applied to the association environment.

The guide presents two options for associations. They can seek registration as an ISO 9000-compliant organization or they can develop a quality management system based on the standard without taking the final step.

A free copy of *Quality Management for Associations: A Practical Guide to ISO 9000* is available from CSAE on the World Wide Web at <http://www.associationplace.com/iso> or by calling (416) 363-3555. ■

### SCC enhances advisory committee structure

The Standards Council of Canada has reorganized its advisory committee structure to better tap into the expertise of its stakeholder groups.

Under the new structure, some 100 people take part in eight key advisory committees and a variety of

subcommittees providing advice to the organization's governing Council on standardization issues.

Two advisory committees are established by provision of the *Standards Council of Canada Act* – the Provincial-Territorial Advisory Committee (PTAC) and the Standards Development Organizations Advisory Committee (SDOAC). Two other committees coordinate the Standards Council's involvement in the development of international standards – the Canadian National Committee on the International Organization for Standardization (CNC/ISO) and the Canadian National Committee of the International Electrotechnical Commission (CNC/IEC).

The remaining advisory committees provide advice to the Standards Council on standards, conformity assessment, trade, and consumers and the public interest.

The Standards Council has also revised the standardized terms of reference for the committees. Information on the Standards Council is available at the organization's Web site ([www.scc.ca](http://www.scc.ca)). ■

### CSA International

*Agreement with Nemko*  
CSA International has signed an agreement that will provide its customers with enhanced access to markets in Scandinavia and Eastern Europe. The agreement is a memorandum of understanding with Nemko,

an independent company that offers testing and certification services for electrical products in Europe.

Under the terms of the agreement, CSA International can arrange for testing and certification work on behalf of its customers to be performed by Nemko. The agreement improves access to markets including Poland, Hungary and the Czech republic.

*Agreement to facilitate trade with Argentina*  
CSA International has signed an agreement with the Standards Institute of Argentina (IRAM), allowing CSA to conduct product certification to IEC standards on behalf of IRAM and issue its safety mark. CSA International will now be able to help its clients meet Argentina's mandatory safety requirements for low voltage electrical equipment, which cover most electrical and electronic products, gas-fired appliances and other equipment. ■

### Canadian auto dealers driving for quality

Canadian auto dealers are racing to register to ISO 9000, outnumbering their U.S. counterparts by 10 to 1. There are approximately 20 Canadian auto dealers registered to ISO 9000, versus only two in the United States. Canadian dealers are registering their quality management systems to ISO 9000 in part because of a push by Chrysler Canada to implement ISO 9002 in dealerships across the country. However, Chrysler does not account for all of the registered dealers – General Motors, Ford and Mercedes-Benz dealers are also registered, among others. Registration to ISO 9000 provides auto dealers with the potential for continuous quality improvement and gives them a strong marketing tool. For more on ISO 9000 registration by auto dealers, please see our March/April 1999 issue. ■

### German requirement passed into law

As of June 1st, workplace equipment with keypads or keyboards will have to meet a new requirement before it can be exported to Germany. The requirement applies to equipment like calculators, computers, telephones, fax machines and photocopiers. Such equipment will now have to meet the IEC standard for resistance of markings and letterings to abrasion caused by fingers and hands, IEC 60068-2-70. The German government is now requiring that all such equipment bear a symbol indicating that it has passed this additional test. ■

*Based on a contribution by Herb Patschka, Testing Machines Inc. (Montreal, QC).*





## International standard for IT security

An international standard is poised to open new markets for information technology (IT) security products and make it less expensive for Canadians to protect sensitive information from loss, alteration or disclosure.

The International Organization for Standardization (ISO) and the

International Electrotechnical Commission (IEC) have approved the Common Criteria for Information Technology Security Evaluation, popularly known as the Common Criteria, as an international standard. The new standard will be called ISO/IEC 15408:1999, *Information technology – Security techniques – Evaluation criteria for IT security*.

Canada's Communica-

tions Security Establishment (CSE) developed the Common Criteria along with partners in the United States, the United Kingdom, Germany, France and the Netherlands. The Common Criteria is used to evaluate confidence in the ability of IT products to safeguard confidential information. A product successfully evaluated and certified in one partner country is automatically approved for use in

the others.

The adoption of the Common Criteria as an international standard means that even more countries will be taking the same philosophical and technical approach to providing IT security. It increases the number of countries in which certification will be recognized, opening up new markets for Canadian producers of certified IT security products.

Canadian consumers of IT security products, such as the federal government, will also benefit from the standard. It will increase competition among IT security providers – likely meaning lower prices for consumers – and expand the list of IT security solutions available. ■

## SCC levels the international field for accredited labs

Laboratories accredited by the Standards Council of Canada are one step closer to having their accreditation recognized in countries like Australia, Japan, Singapore and the United States.

Accreditation bodies from those and other countries have signed the mutual recognition arrangement of the Asia Pacific Laboratory Accreditation Cooperation (APLAC). The Standards Council could sign the arrangement as early as this November, thanks to a favourable APLAC assess-

ment this May.

Signing the arrangement will allow other countries to recognize accreditation by the Standards Council's Program for the Accreditation of Laboratories – Canada (PALCAN) as equivalent to their own. That means that tests performed by Standards Council-accredited laboratories will have greater acceptance in other countries, and, as a result, Canadian products may enjoy easier access to foreign markets. And that,

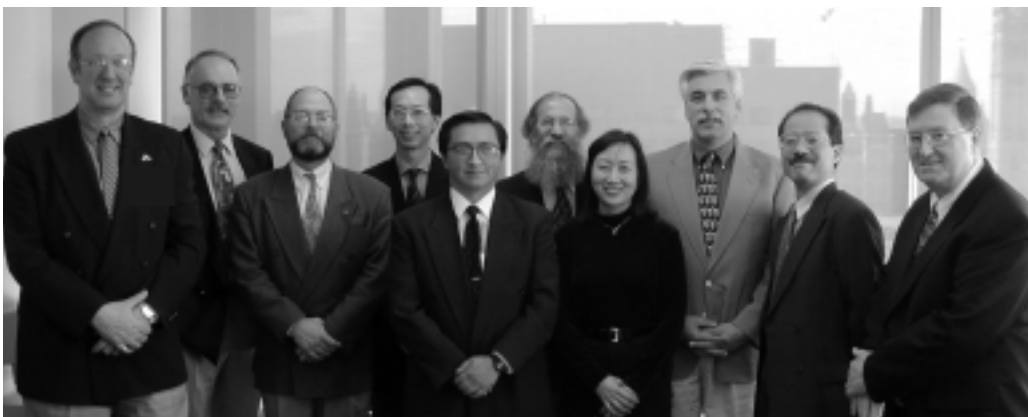
says Art Kempthorne of the Canadian Plywood Association, could make a big difference.

"We've obtained independent recognition in a number of countries at a considerable cost," says Mr. Kempthorne.

"Recognition by those countries of SCC accreditation should result in significant savings in cost and time associated with our current acceptances, and provide others we don't yet have." ■

## Summer recognitions in new SCC program

The Standards Council's Program for the Accreditation of Laboratories – Canada could be making another announcement by the end of this summer. The Council is set to recognize two facilities under its Good Laboratory Practices (GLP) program specialty area. GLP covers the organizational process and conditions under which non-clinical studies are planned, performed, monitored, recorded and reported. The Standards Council's program is based on guidelines published by the Organisation for Economic Co-operation and Development (OECD). ■



From left to right: Don Wilson, Gary Hysert, Miguel Viliesid, W.W. Wong, Victor Hugo Angeles, Jeff Horlick, Barbara Voon, Dough Faison, Ray Komito and Rick Wilson at the Standards Council during the May APLAC assessment.



# Putting Proficiency Testing to the Test

*A new survey indicates that Canada is in step with international laboratory proficiency testing practices*

by Denise LeBlanc, National Research Council of Canada (NRC) and Rick Wilson, Canadian Association for Environmental Analytical Laboratories (CAEAL)

Proficiency testing programs are commonplace in the laboratory business, yet there are significant differences among them. Our two agencies recently conducted a survey of Canadian and international programs to identify some of the “norms” for key characteristics and costs.

Proficiency testing programs are the subject of ISO/IEC Guide 43, *Proficiency testing by interlaboratory comparisons*, and other guidance documents from the international community. In Guide 43, proficiency testing is defined as “the use of interlaboratory comparisons to determine the performance of individual laboratories for specific tests or measurements and to monitor laboratories’ continuing performance”. The guide notes that “Typically, these schemes involve the results from several split samples over a wide concentration range...”.

Recently (14 April 1999), the accreditation policy committee of the International Laboratory Accreditation Cooperation (ILAC) noted that proficiency testing frequency and monitoring are two of the issues “relating to divergences of practice between accreditation bodies”.

The environmental laboratory industry in Canada and the United States is an example of this divergence. The proficiency testing program operated by CAEAL as part of the Standards Council of Canada/CAEAL joint accreditation program for environmental labs provides two sets of samples annually for each test group selected by the lab. Each set contains four samples across a concentration range. In contrast, the newly developed standards (July 1998) for the U.S. National Environmental Laboratory Accreditation Conference (NELAC) call for a single sample twice annually.

For the purposes of this survey, over 100 agencies

around the world were contacted for information about their proficiency testing programs. Although information is still arriving, we have received more than 50 responses to date, allowing us to develop some preliminary conclusions.

Initially, we examined the data in two ways: (1) broadly by program, incorporating all programs that have responded; and (2) for environmental testing programs, by individual test group.

The program comparison confirms that there is a broad range of requirements, however there seems to be some consistency among those organizations that are accrediting bodies applying ISO/IEC Guides. From the information in hand, the median number of rounds per year is two and the median number of samples per round is four.

With the subset of environmental programs broken into individual test groups, the pattern appears to be switched: the median number of rounds is four per year while the median number of samples per round is two. This subset has not yet been further differentiated into those that support ISO/IEC Guide 25 programs and those that do not. Eventually, the complete data set needs to be examined for sample range, sample quality, number of analyses, scoring methods, implication of failures and other characteristics.

Although the data collection and associated analyses are still incomplete, there is certainly enough for us to conclude that the SCC/CAEAL program for accreditation of environmental labs is being supported by a proficiency testing program in which the key design characteristics – and costs – fit the international norm. A full report will be available from CAEAL later this year. ■





# A Clear and Present Danger?

## *Protecting Canadians at Health Canada's Product Safety Bureau*

It's a museum unlike any other. In a small room, glass display cases line the walls and a large one sits in the centre. All are filled with toys. There are crayons, tiny teacups, playpens, strollers, spoons and rattles. There are toy guns, dolls, necklaces and pacifiers. It's a child's dream – and a parent's nightmare. Whether it's because they contain lead, cadmium or other toxins, or because they can cause choking or physical injury, every one of these toys poses a health or safety risk.

The museum is the first stop in a tour of the brand-new Product Safety Laboratory, a new building for the Health Canada division that tests whether or not consumer products meet Canadian safety requirements. It is a gleaming, state-of-the-art facility in the south end of Ottawa that houses the labs used to test toys, lighters, textiles, furniture, detergents and more.

In the flammability lab on the second floor, Josephine Glaser gets ready to do her work. She prepares the sample and secures it in the apparatus. She conducts her test with disturbing results.

The sample is a strip of a young girl's nightgown. The test is to see how quickly it will burn. In this case, the nightgown is 100 per cent cotton, and the 127-mm strip burns until there is nothing left in less than seven seconds. "That," explains Ms. Glaser, "is why you'd never see a pure cotton children's nightgown anymore under Canadian regulations."

The textiles she tests here must meet the requirements of specific standards referenced in the *Hazardous Products Act*, in this case ASTM D1230-61, *Standard Method of Test for Flammability of Clothing Textiles*.

In fact, the procedures followed in this lab are all standardized, and the lab is run in accordance with the principles of ISO Guide 25. Ms. Glaser turns back to a table full of samples – bathrobes, pyjamas, skirts and stuffed animals – all of which she will eventually set aflame. If any one of them fails the test, Ms. Glaser provides the test

results to product safety officers in Ottawa and to inspectors across the country. If deemed necessary, Health Canada may ask the manufacturer or the importer to voluntarily withdraw the items from stores. If they fail to comply, the government can step in and remove them.

The work here is at once destructive and protective. Employees test what it takes to break a bunk bed, how much lead is released if a necklace is swallowed and how hard a teething ring can be chewed, pushed and pulled before it will break. They check how loud toys are and test how well a lighter can withstand dropping, pressure and high temperatures. There are 24 people working here in three areas of specialization: chemistry, flammability, and engineering. All the tests they perform are designed to protect the Canadian public from potentially dangerous products.

The items they test come to them in a variety of ways. About 500 products a year are expected – inspectors bring them in at regular intervals. For these there are established test methods. On top of those there are the unexpected products – they come to the lab only after the public has complained about them. The laboratory staff is understandably proud of the work they do here.

Pierre Chantal, acting chief of the Product Safety Laboratory, explains that for many of the tests they do, the equipment needed does not exist and so it must be developed on site. "We try to adapt an existing machine so it can perform the test. If we can't do that, we build a new machine – a lot of the equipment is invented right here because there is a test we need to do that hasn't been done before." As an example of his team's creativity, Mr. Chantal points to the machine that simulates a child jumping up and down on top of a bunk bed. If it needs to be tested, they'll find a way. ■



# A “NU” code for Nunavut

*Standards clear the way for consensus*

This past April 1st, when Nunavut officially became a new territory, it was an occasion that called for celebrations, speeches, songs – and standards.

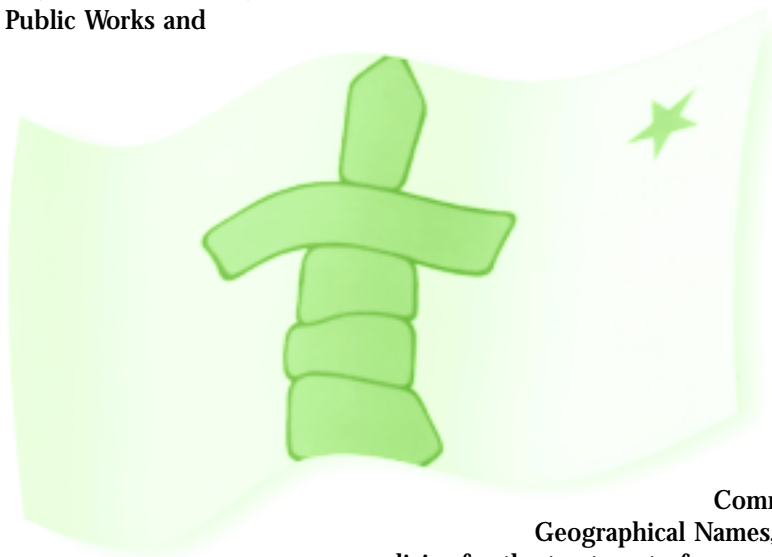
The creation of a new territory opens up a whole new area for federal government departments and Crown corporations like Revenue Canada, Statistics Canada, Canada Post, Industry Canada, Public Works and Government Services Canada, Natural Resources Canada and the National Library of Canada to think about. Each one of those bodies uses a standard code to keep track of geographical areas for very different, and very important, reasons.

Canadians are probably most familiar with the codes Canada Post uses to tell different regions apart. Canada Post uses postal designators like NS for Nova Scotia and BC for British Columbia to help speed mail to the appropriate address.

But all the other agencies use those or other codes as well. Senior officials in Revenue Canada’s client identification section say the code is “a keystone piece of data in tax assessment and benefit administration.”

They explain that the code is used to determine at

which provincial or territorial tax rate a person or business should be assessed, and which rate of family benefits a person should receive. It’s also used to calculate what proportion of the taxes collected should go to each province and territory for which Revenue Canada collects taxes.



For Statistics Canada to be able to collect and compile data, it needs to be able to distinguish among geographical areas by using an easy indicator, in this case, the code.

Natural Resources Canada, through the Canadian Permanent

Committee on

Geographical Names, develops standard policies for the treatment of names and terminology and thus is keenly interested in any new code.

And, of course, the government of Nunavut had a great interest in what the new code should be – the code is part of Nunavut’s self-definition.

To arrive at the code that will represent a new region, nations use a standard developed by the International Organization for Standardization (ISO), ISO 3166-2,





# Standards for an Aging World

*Standards bodies are preparing to meet the challenges posed by an aging population*

International Year of Older Persons  
*Canada, a society for all ages*



We're not getting any younger.

While this rueful observation is generally applied on an individual basis, it's also true of the world's population as a whole. The world, especially the developed world, is aging, with older people making up an increasingly large percentage of the population. By 2025, about one in four Canadians – roughly twice the current proportion – will be over 65.

That's a significant demographic change, and it's led to a lot of discussion around the world about how society will have to change to meet the needs of an aging population. The United Nations, for example, has designated 1999 as the International Year of Older Persons.

Standards bodies have a special role to play in meeting this challenge, because standards will influence the design and delivery of the products, services and environments that people use as they age. Ensuring that those standards reflect the needs and priorities of an aging world is going to require a change not only in their content, but also in the way they're developed.

## When I'm sixty-four

One of the main challenges facing society is to ensure that the growing population of older people can live healthy, active and independent lives. That requires taking the effects of aging into account in the design of products, services and environments.

While aging doesn't necessarily bring about disability, the incidence of disabilities is highest among older people. As the years go by, most people will experience some reduction in senses and physical capabilities such as sight, hearing, balance, coordination and strength.

Mental faculties can also be affected by aging.

Those reduced capabilities can make everyday living difficult or even hazardous. According to Health Canada, seniors are three times as likely as any other age group to suffer an accidental injury that leads to hospitalization or death. Many of these injuries occur in the home, and involve common household products.

These and other problems experienced by seniors aren't an inevitable result of "old age" – they're the result of living in a world designed by and for able-bodied younger adults.

That bias toward the able-bodied is often reflected in standards. For example, of the several types of standardized crash-test dummies used around the world (please see our January/February 1999 issue), most are designed to simulate an average adult male. Dummies that model smaller women, larger men, children or infants are available, but are less common.

## Designs of the times

Applying a different design philosophy would make products, services and environments more accessible to almost everyone. **Universal design** refers to the development of products and services that can be used by people with a wide range of abilities and in a wide range of circumstances – not just an average able-bodied adult but also older people, children, people who are taller or shorter than average, people with back pain or arthritis, or just someone with an armload of groceries.

Because it focuses on the needs of a wide variety of users, universal design benefits the able-bodied as well as people with disabilities. For example, single-lever



faucets are helpful not only for people who have problems grasping and turning a knob, but also for cooks with greasy hands. Wider doors and hallways for wheelchair users also make it easier to move furniture. High-contrast, easy-to-grasp controls on appliances such as the kitchen stove are easier to use when you're tired or distracted.

Universal design doesn't have to mean higher costs for the manufacturer or the user. In many cases, what's required isn't special features or additional materials, but just a little more consideration of the needs of potential users. Making changes at the design stage can be much less expensive than modifying a product after buying it, or purchasing a custom-made version.

Closely related to universal design is the concept of **accessible design**. This is the development of products, services and environments that meet the special needs of people with specific performance limitations — in other words, people who need more assistance than it's economically or technically feasible to provide through universal design. Examples of accessible design range from mass-market items designed with disabilities in mind (both the Windows and Macintosh computer operating systems include built-in accessibility features, for example) to special-purpose assistive devices.

## Standard solutions

Accessible design isn't a new concept for standards bodies. For example, CSA International has published *Barrier-Free Design* (CAN/CSA B651-95), a National Standard of Canada that describes how to make buildings accessible for people with a variety of physical or sensory disabilities.

The International Organization for Standardization (ISO) has developed standards for wheelchairs and lifts, and its technical committee on systems and aids for people with disabilities (TC 173) is developing standards for walking aids, Braille, and acoustic and tactile signals

for traffic lights.

When it comes to other products, however, standards bodies have tended to overlook the needs of older people or people with disabilities — and in some cases have even made their lives more difficult.

For example, a common complaint among older people is that child-resistant drug packages are hard to open. The Canadian standard for child-resistant packaging used to include a test of adults' ability to open the packages. But the test panel had to be between 18 and

45 years old, and "be healthy and normal and have no obvious physical or mental handicaps". That requirement excluded the people most likely to require medication — and most likely to have difficulty opening the container. Recently, the standard was updated to include a seniors'

ease-of-use test (please see "SAGA leads the way at CSA").

Product standards aren't the only way that standards bodies can help to improve quality of life for older people and people with disabilities. Other areas that have been proposed for standardization include home care services, drug labeling, systems for monitoring medication use, and residences for older people.

To develop standards that effectively meet the needs of older people and people with disabilities, however, standards bodies are going to have to undergo a change in attitude and focus.

That's beginning to happen. Last year, CSA International established a strategic advisory group on aging (please see box for details). ISO's consumer policy committee (COPOLCO) has formed a working group on the special needs of the elderly and people with disabilities.

Those needs were the focus of a special COPOLCO workshop that took place in Washington, D.C. in May. Delegates from around the world discussed concerns, needs and current initiatives, and ways in which standards bodies can help.

One point that was stressed repeatedly was the need

*In many cases, what's required isn't special features or additional materials, but just a little more consideration of the needs of potential users.*





for greater participation by seniors and people with disabilities in standards development committees. That's going to be a significant challenge for standards bodies, who will have to increase awareness of standards and find some way to financially support increased participation.

Sensitivity training exercises were recommended to allow able-bodied committee members to experience the effects of aging first-hand.

Standards bodies also need to research the specific needs of seniors and people with disabilities – for example, to determine which products are most difficult or dangerous to use – and incorporate the results of that

research into standards development.

Finally, standards committees need to incorporate the principles of universal and accessible design into their work.

COPOLCO is already taking steps to point ISO in the right direction. It has prepared a draft policy statement for ISO and the International Electrotechnical Commission (IEC) that incorporates the ideas developed at the workshop. The committee also plans to develop a guide for technical committees that provides guidelines on universal and accessible design, and to consider the feasibility of a management standard for home care services. ■

## SAGA leads the way at CSA

A new advisory group is helping to make CSA International a leader in incorporating the needs of seniors into its standards work.

The strategic advisory group on aging (SAGA) was established in late 1998. Its membership includes researchers, government, physical therapists, long-term care providers, gerontology experts and seniors advocacy organizations. The group's job is to provide advice and recommendations to CSA on standardization issues related to aging. A staff project team supports the work of SAGA.

SAGA's work is already paying off. The latest revision of *Recloseable Child Resistant Packages* (CSA Z76.1-99) includes a test of the packages' ease of use for people between 50 and 70. *Illumination Systems in Health Care Facilities* (CSA Z317.5-98) permits higher lighting levels to compensate for impaired vision, even though this increases energy consumption. CSA now provides sensitivity training to its staff and standards committee members.

SAGA also provides Canadian input to COPOLCO's working group on the needs of seniors and people with disabilities.

For more information on SAGA, please contact Martin Grosskopf, phone (416) 747-4187, e-mail grosskom@csa.ca. For more information on the COPOLCO working group, contact Jeanne Bank, phone (416) 747-2624, e-mail bankj@csa.ca.

# Global Marketplace Puts CASCO to the TEST

*The growth of world trade puts the spotlight on ISO's conformity assessment committee*

**I**t takes more than international standards to create a global marketplace. Purchasers, regulators and consumers also need some way of verifying that products and services actually meet the requirements of those standards. That's the job of conformity assessment organizations.

Most of those organizations operate according to guidelines developed by the committee on conformity assessment (CASCO) of the International Organization for Standardization (ISO). CASCO has been around since 1985, but over the last few years its role and structure have changed significantly.

For example, CASCO now produces international standards as well as guides. That means its documents reflect the highest degree of international consensus. A number of projects now under way will convert existing guides into standards.

Future CASCO standards could be less complicated and easier to apply. A joint working group with the European standards bodies CEN and CENELEC is reviewing the documents' structure with this goal in mind.

As part of this effort, some existing documents are being combined. A proposed new accreditation standard, for example, will combine requirements for inspection, management systems and laboratory competence. The joint working group is considering a similar structure for documents dealing with certification.

CASCO is also working more closely with other bodies within and outside ISO. It is examining the way that technical committees (TCs) and CASCO work together, and reviewing references to conformity assessment in standards development guidelines. CASCO has surveyed TCs on their use of ISO/IEC Guide 7, *Guidelines for drafting of standards suitable for use for conformity assessment*. It will use the results of this survey to make the upcoming revision more relevant to the work of technical committees.

To get a better sense of industry's needs, CASCO has created an Industry Advisory Network (IAN). The network will operate primarily through e-mail, making it open to companies and organizations that can't afford to participate in face-to-face meetings. CASCO is also considering ways to increase its links to consumers and public officials through bodies such as ISO's consumer

policy committee (COPOLCO) and the World Trade Organization (WTO).

The committee is working closely with non-ISO bodies such as the International Accreditation Forum (IAF) and the International Laboratory Accreditation Cooperation (ILAC), which use CASCO documents intensively in their activities.

Developing countries face their own conformity assessment problems. While much of the world's manufacturing now takes place in developing countries, conformity assessment results produced in those countries often aren't accepted in the developed world. CASCO and ISO's committee on developing country matters (DEVCO) are organizing a workshop on this issue, which will take place next year.

*Adapted from articles in the May, 1999 issue of ISO Bulletin*

## CASCO at work

Here's a look at some of the projects under way in CASCO:

- ISO/IEC 17000, *Conformity assessment – General vocabulary*, a revision of part of ISO/IEC Guide 2, *Standardization and related activities – General vocabulary*
- ISO/IEC 17024, *General criteria for certification bodies operating certification of personnel*
- ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*, a revision of ISO/IEC Guide 25 that's expected to be published in December
- ISO/IEC 17030, *Marks of conformity and their use*
- ISO/IEC TS (technical specification) 17031, *Product symbol and criteria to be used with a supplier's declaration of conformity*
- ISO/IEC Guide 66, *General requirements for bodies operating assessment and certification/registration of environmental management systems (EMS)*
- ISO/IEC Guide 67, *Fundamentals of product certification*
- ISO/IEC Guide 68, *Considerations in entering into mutual recognition agreements for acceptance of conformity assessment results*

# Public review Notices

Listed below are standards being proposed (p), revised (r), withdrawn (w) or amended (a). Copies are available from the designated accredited standards development organization. Normally there will be a minimum charge for each copy of a document ordered. Please note that these documents are intended for review and comment, not for application.

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**CAN/CGSB-1.212** Chromate and Lead Free Marine Primer for Steel and Light Alloy Surfaces (r)

**CAN/CGSB-3.6-M90** Automotive Diesel Fuel (a)  
**CAN/CGSB-3.13-M88** Liquefied Petroleum Gas (Butanes) (a)  
**CAN/CGSB-3.18-92** Diesel Fuel for Locomotive Type Medium Speed Diesel Engines (a)  
**CAN/CGSB-3.27** Naphtha Fuel (r)  
**C\*\*/CGSB-3.512** Fuel Ethanol (E60-E80) for Automotive Engines (p)  
**CAN/CGSB-3.517-93** Automotive Low Sulphur Diesel Fuel (a)  
**CAN/CGSB-3.1000-M91** Standard for Vapour Control Systems in Gasoline Distribution Networks (a)  
**C\*\*/CGSB-155.20** Workwear for Protection Against Hydrocarbon Flash Fire (p)  
**C\*\*/CGSB-155.21** Recommended Practices for the Provision and Use of Workwear for Protection Against Hydrocarbon Flash Fire (p)

# National Standards of Canada

Since the last issue of *CONSENSUS*, the following standards were approved as National Standards of Canada by the Standards Council of Canada. For information on availability and prices, or to order copies of these standards, please contact the appropriate standards development organizations below. Some documents may be available in only one language.

## CSA International

Telephone: (416) 747-4044  
Fax: (416) 747-2475



**CSA ISO 14971-1** Medical devices – Risk management – Part 1: Application of risk analysis

**CSA ISO/IEC ISP 10612-5** Information Technology – International Standardized Profile RD – Relaying the MAC service using transparent bridging – Part 5: Profile RD51.54 (CSMA/CD LAN – FDDI LAN)

**CSA Z10651-2** Lung ventilators for medical use – Part 2: Particular requirements for home care ventilators

## Canadian General Standards Board (CGSB)

Telephone: (819) 956-0425 or  
1-800-665-CGSB (Canada only)  
Fax: (819) 956-5644



**CGSB/ONGC 32.310** Organic agriculture

For a searchable database of all National Standards of Canada, please visit the Standards Council's Web site at <http://www.scc.ca>.



# Accreditation

## News

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**T**he Standards Council of Canada accredits a variety of organizations that provide standards and conformity assessment services. Accreditation formally recognizes the competence of an organization to carry out specific functions and provides a basis for national and international acceptance of products and services.

In most cases, organizations are accredited to provide services within a particular scope or field of activity. For complete scope and contact information on any accredited organization, or for information on the Standards Council's accreditation programs, please visit our Web site

at <http://www.scc.ca> or contact our information division.

### *New accreditation*

#### Environmental Management Systems Registrar

Canadian General Standards Board, Hull, Quebec

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# Upcoming

## Events

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**July 24 – 31, 1999:** PAC plenary meeting in Vancouver, BC. For more information, see "SCC to host international conference" on page 4 or contact the Standards Council of Canada, using the contact information on page 3.

**August 8 – 11, 1999:** Canadian Society of Safety Engineering (CSSE) Professional Development Conference and Exposition, "Safety Comes of Age", in Hamilton, ON. For more information, contact CSSE, (905) 893-1689, fax (905) 893-2392.

**August 16 – 17, 1999:** Standards Engineering Society (SES) annual standards conference: "Standards Strategies in a Competitive World", Toronto. For information, contact Glenn Ziegenfuss, (305) 971-4798, fax (305) 971-4799, e-mail [hgziggy@worldnet.att.net](mailto:hgziggy@worldnet.att.net), Web site <http://www.ses-standards.org>.

**September 8 – 10, 1999:** CEN Conferences: "Pressure Equipment in Europe", Brussels, Belgium. For more information call + 44 181 780 9674, fax + 44 181 785 1163 or e-mail [cenconf@blueprint-ptnrs.co.uk](mailto:cenconf@blueprint-ptnrs.co.uk).

**October 18 – 29, 1999:** International Electrotechnical Commission (IEC) annual general meeting, Kyoto, Japan. For information, contact the Standards Council of Canada, using the contact information on page 3.

**October 20 – 22, 1999:** International Organization for Standardization (ISO) annual general assembly, Beijing. For information, contact the Standards Council of Canada, using the contact information on page 3.

**November 1 – 2, 1999:** Canadian Environmental Auditing Association (CEAA) Annual Meeting and Technical Conference: "Auditing Opportunities – Beyond ISO 14000," Toronto, Canada. For more information, call (905) 567-4705 or fax (905) 814-1158.

**February 6-8, 2000:** European Community Institute, 8th annual international conference on ISO 9000 and related standards, Lake Buena Vista, Florida. For more information, contact the International Conference on ISO 9000, (412) 782-3383, fax (412) 782-3384, or e-mail [iso9000x@aol.com](mailto:iso9000x@aol.com).

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