



CIO Strategy Council Pan-Canadian Standards

WWW.CIOSTRATEGYCOUNCIL.COM



WHO WE ARE

- The Council brings **the country's foremost and forward-thinking public and private CIOs** together to share best practices and champion initiatives that will transform the nation's ICT ecosystem and establish Canada as a leader in the global digital economy.
- **We are innovators** in our companies and organizations, embracing digital, championing change, and driving the adoption of Canadian technologies.



CURRENT MEMBERS **INCLUDE:**

ATB Financial™



Shared Services Canada
Services partagés Canada



Health Canada
Santé Canada

CERIDIAN



Treasury Board of
Canada Secretariat
Secrétariat du Conseil du
Trésor du Canada

 **Manulife**

opentext™



**BANQUE
NATIONALE**



ATB Financial

Enbridge

Shared Services Canada

Health Canada

Ceridian

Treasury Board Secretariat

Manulife

Open Text

Banque Nationale

CIBC



CURRENT MEMBERS **INCLUDE:**



National Research
Council Canada

Conseil national de
recherches Canada



Canadian
Blood
Services
BLOOD
PLASMA
STEM CELLS
ORGANS
& TISSUES



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada



Microsoft



RBC

Great West Life

National Research Council Canada

IBM Canada

SunLife Financial

Canadian Blood Services

Public Services and Procurement Canada

VMware

Microsoft Canada

SecureKey



CURRENT MEMBERS **INCLUDE:**



National
Defence

Défense
nationale



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



Public Service
Commission of Canada

Commission de la fonction
publique du Canada



National Defence

Agriculture and Agri-Food Canada

Innovation, Science and Economic Development

Government of Ontario

Rogers Communications Inc.

Canadian Mortgage and Housing Corporation

Public Service Commission

Shaw Communications



WHY WE EXIST

The Council was created in response to a dire need to kickstart a strategic, collective approach to addressing issues that transcend the ability of any one person or organization to tackle.

We recognize the challenging market conditions and stress disruptive technologies and game changers like the future of work are putting on our governments, businesses and citizens, as well as the need to respond with leadership.





OUR OBJECTIVES

- Transform, shape and influence the Canadian ICT ecosystem;
- Provide access to trusted peer group for mutual support, interaction, and engagement in learning and applying best practices;
- Conduct research and disseminate reports on strategic topics relating to the Canadian information and technology ecosystem; and
- Provide a strategic approach to information and communication technology procurement in Canada.



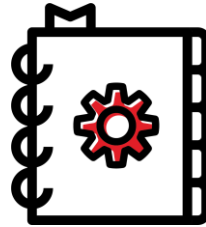
WHAT KEEPS US BUSY

In just over one year, CIO SC has dedicated itself to the development of cutting-edge policy and actions to hone Canada's global leadership and competitiveness in the digital economy by:



Championing national initiatives to transform the nation's ICT ecosystem.

Bringing the country's foremost and forward-thinking CIOs together to share best practices and provide a national forum to inform, develop and drive technology adoption.



Developing national standards and guidelines

in the ICT space using a standards development process that is globally-recognized, consensus-based, formal, consistent, reliable and third-party verified. The Council has two technical committees with 80+ experts from governments, industry, academia and civil society actively developing national standards for data governance and ethical AI.



Establishing national and global partnerships

as a Founding Member of the Open Community for Ethics in Autonomous and Intelligent Systems (OCEANIS) and working together with DIACC to enter into a collaborative agreement with an aim to leverage each other's networks and develop national standards in the digital identity space.



STANDARDS ACCREDITATION

How standards are developed influences their credibility and acceptance in the marketplace, including how widely they will be used and whose interests they will serve.

Standards Council of Canada completed its assessment of the CIO Strategy Council's standards setting infrastructure. CIO Strategy Council will soon be accredited to publish National Standards of Canada.



CIO STRATEGY COUNCIL DIFFERENCE

Traditional Std Setting Org. Practices	CIO Strategy Council Std Setting
Restricted Participation ... <i>Technical committees restricted in size; privileged voting</i>	Open by Default ... <i>No technical committee size restrictions; every stakeholder has a vote; multi-stakeholder, consensus-based</i>
Limited Public Access ... <i>Mature committee draft standards available for a 45 or 60 day public review period</i>	Full Transparency ... <i>Working drafts, committee drafts, etc., available 24/7 throughout entire project lifecycle for public input and feedback</i>
Standards at a Cost ... <i>Standards available to the public for prices in the hundreds to thousands of dollars</i>	Standards for Free ... <i>CIOSC standards in the public interest or referenced in Canadian regulations available to the public at no cost</i>



STANDARDS SETTING GOVERNANCE AND ACTIVITIES

- **Standards Policy Committee**
 - Governs the Council's standardization policies, sets priorities and is responsible for coordinating standards development activities.
- **Technical Committee 1: Data Access and Privacy**
 - Privacy safeguards for collecting and using personal information in Canada are not adapting readily to the evolving technology landscape. This technical committee is developing minimum privacy requirements for collecting and using personal data for machine learning, deep learning and other kinds of analysis.
- **Technical Committee 2: Ethical Design and Use of Automated Decision Systems**
 - Data collection and use has proliferated at alarming speeds with the launch of online platforms, smart devices and everything IoT. The need to ensure the ethical use of data and AI has never been greater. This technical committee is working to specify minimum requirements for the ethical design and use of machine learning algorithm models.



FUTURE STANDARDS WORK

CIO Strategy Council's Standards Policy Committee is in discussions on potential new standards work following receipt of expressed interest from stakeholders in having the CIO Strategy Council (CIOSC) develop standards for internet interconnection, digital identity, and citizen-protection in the smart cities vertical.

National Standards for Digital Identity. CIOSC and DIACC are actively working together to enter into a collaborative agreement with the aim to leverage each other's networks and help lead to actions that advance identity management, data privacy, and security innovation. This work will support the further development of the Pan-Canadian Trust Framework by providing a set of globally-recognized standards and specifications to establish an innovative, secure, and privacy respecting digital identity ecosystem.

National Standards for Internet Interconnections to Deliver Online Services. The Canadian Internet Registration Authority expressed a need for a set of internet interconnection standards for delivering online services to Canadians to make the Canadian internet stronger, more secure and more resilient. More information is being gathered to consider a potential standard proposal in the future.

National Standards for Citizen Protection in the Smart Cities Vertical. One of the most prominent and challenging aspects to leveraging the benefits of the smart city with the adoption of digital technologies is the very real threat of creating an accidental surveillance state. A range of professionals are seeking CIOSC expertise to help shape Canada's IT ecosystem by beginning a process to develop a standard for surveillance ordinance, with the Canadian Civil Liberties Association as an anchor partner for subject matter expertise.



TRANSFORMATION **THROUGH COLLABORATION**

We have reached a defining point where **collective action is needed**, to:

Define
the right
rules



Implement the
right **practices**



Adopt the right
standards

In order to **protect consumers**, while **preserving and propelling the prosperity of Canadian businesses** in the global innovation economy.

The **CIO Strategy Council** welcomes the provinces and territories to join us and provide their insights, expertise and perspectives; working together to transform the country's ICT ecosystem



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