



CRI

Centre for Regulatory Innovation

Regulators' Capacity Fund

Artificial Intelligence Conformity Assessment

QUICK GLANCE

Lead Organization:

Standards Council of Canada (SCC) with support from Innovation, Science and Economic Development Canada (ISED)

Timeline:

Oct 2020 – Mar 2021

Funding:

\$80,000

ABOUT THE RCF

The CRI's Regulators' Capacity Fund empowers federal regulators to better consider economic, competitiveness, and resilience factors in regulatory design and implementation.

PROJECT OVERVIEW

The project aimed to develop a conformity assessment accreditation program for artificial intelligence (AI) in Canada. This initiative focused on creating a framework to ensure the quality and reliability of AI systems.

The Challenge:

AI systems are increasingly being integrated into various sectors, but there is a lack of standardized methods to assess their quality and reliability. This gap poses risks to safety, privacy, and trust in AI technologies.

The Approach:

SCC engaged with federal regulators, conformity assessment bodies (CABs), and AI developers to develop a prototype conformity assessment accreditation program. The project involved extensive consultations, development of assessment criteria, and pilot testing to refine the program.

The Impact:

The project successfully established a prototype conformity assessment accreditation program, setting the stage for broader implementation. Over 15 CABs and multiple regulators participated, providing valuable feedback that informed the final program. This initiative has strengthened the quality and reliability of AI

systems in Canada, fostering greater trust in AI technologies.

Lessons Learned:

Terminology: Clear communication and understanding of technical terms are crucial for stakeholder engagement.

Pilot Testing: Pilot testing is essential to refine assessment criteria and ensure practical implementation.

Regulatory Input: Continuous input from regulators enhances the relevance and effectiveness of the program.

This project demonstrates the importance of standardized conformity assessments in ensuring the quality and reliability of emerging technologies like AI.