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Use of Artificial Intelligence – BCRSP Guiding Principles

Resources:

- Government of Canada Responsible Use of AI: <https://www.canada.ca/en/government/system/digital-government/digital-government-innovations/responsible-use-ai.html#toc1>
- Institute for Credentialing Excellence Webinar: The Power of AI in the Everyday Life of a Credentialing Professional. <https://my.credentialingexcellence.org/ice-product-details?id=e7705290-a7f2-ee11-a73d-6045bdb3fc27>
- Convention on the Organisation for Economic Co-operation and Development Recommendation of the Council on Artificial Intelligence <https://legalinstruments.oecd.org/en/instruments/oecd-legal-0449>

Definitions:

AI system: An AI system is a machine-based system that, for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations, or decisions that can influence physical or virtual environments. Different AI systems vary in their levels of autonomy and adaptiveness after deployment.

AI system lifecycle: AI system lifecycle phases involve: i) ‘design, data and models’; which is a context-dependent sequence encompassing planning and design, data collection and processing, as well as model building; ii) ‘verification and validation’; iii) ‘deployment’; and iv) ‘operation and monitoring’. These phases often take place in an iterative manner and are not necessarily sequential. The decision to retire an AI system from operation may occur at any point during the operation and monitoring phase.

AI knowledge: AI knowledge refers to the skills and resources, such as data, code, algorithms, models, research, know-how, training programmes, governance, processes and best practices, required to understand and participate in the AI system lifecycle.

BCRSP Guideline

The BCRSP is committed to ensuring the effective and ethical use of AI. The following actions are aligned with approaches being undertaken by governments, policy makers, and the credentialing industry.

BCRSP will utilize a risk assessment approach when considering the usage of AI in any of its processes connected to the certification scheme.

1. **Awareness:** Applicants, Candidates, and Certificants should be informed when, where and how AI is used in the certification process.
2. **Accountability:** BCRSP will maintain accountability for any AI systems’ actions and decisions. We will do this by implementing a system to track and report decisions made by AI systems ensuring there is a clear chain of responsibility.
3. **Transparency:** BCRSP will ensure transparency in AI operations and decision-making processes, including providing an explanation of how AI systems reach their conclusions, such as offering insights into algorithms used.
4. **Fairness:** BCRSP will have checks and balances to mitigate fairness issues, including SME review of any content used to make decisions about someone’s skills.

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5. Reliability and Safety: BCRSP will ensure AI systems in use perform reliably and safely with rigorous monitoring, tracking, and validation.
6. Privacy and Security: BCRSP will implement measures to protect data and ensure compliance with privacy standards and legislation.
7. Inclusiveness: BCRSP will design certification schemes that are accessible to a wide range of candidates. Usage of AI/technology should consider inclusivity factors.
8. Continuous Improvement: BCRSP will regularly update any AI strategy adopted to reflect the latest standards, policies and ethical considerations.
9. Collaboration: BCRSP will work with various relevant interested parties including industry experts, and ethicists, to continuously refine and improve any AI strategy adopted.
10. Education: The BCRSP Governing Board will keep itself educated on advancements in AI, including employing SMEs when necessary.