

Digital Identity

In Canada

August 2019

Office of the Chief Information Officer

Ken McMillan, Digital Identity

What is a Trusted Digital Identity?

What is it?

***Trusted digital identity** is an electronic equivalent of who you are as a real person, used exclusively by you, to receive valued services and to carry out transactions with trust and confidence.*

Trusted Digital Identity confirms that 'you are who you say you are' in an online context.



Why does it matter?

Digital Identity is the foundation to moving more services online, where our citizens expect to be.

Digital ID Vision

Target State User Experience for Canadians



1. Any ID partner
Federal, provincial government departments, banks.



2. Any device
Smart phones, TVs, cars, personal AI assistants etc.



3. Any platform
GM, LinkedIn, Expedia etc.



4. Any service
Passport renewal, filing taxes, collecting social benefits etc.



Canadians can sign in once using their trusted digital identity, instantly accessing GC services across GC departments on any device



Trusted digital identity will enable one-time identity-proofing (tell us once), streamlining government processes, creating a better user experience



The digital identity ecosystem can be leveraged by any partner, such as other GC departments, provinces, banks, etc. to validate/verify client identities

What is the Pan-Canadian Trust Framework?

Trusted Digital Identity



Identity Assurance



Is it a real existing person?

Credential Assurance



Is it the same person?

Informed Consent



Has the user given consent?

Pan-Canadian Trusted Supporting Infrastructure

Security, Privacy, User Experience, Communications

The Pan-Canadian Trust Framework is a set of standards and specifications to ensure that all jurisdictions abide by a common, agreed-upon set of rules to trust and accept each other's digital identities.

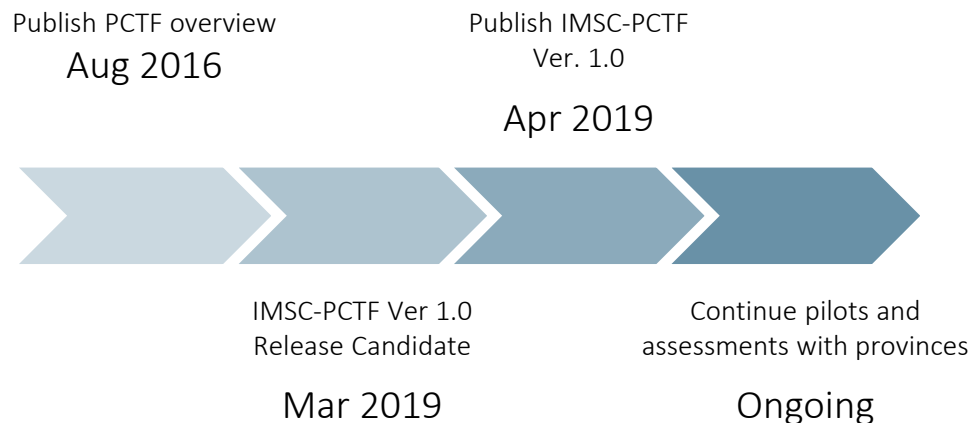


PCTF synopsis

Background

- The Pan-Canadian Trust Framework (PCTF) tactically implements the Whitehorse Declaration. An initial draft of the PCTF was published in 2016.
- The PCTF is a set of standards and specifications to ensure that all jurisdictions abide by a common, agreed-upon set of rules to trust and accept each other's digital identities.
- It will standardize how we create, issue, and accept trusted digital identities between jurisdictions and across different sectors within Canada and internationally.
- Currently, TBS and ESDC are jointly leading a pilot in collaboration with the Province of Alberta, which involves the federal acceptance of a provincial Trusted Digital Identity in accordance with the PCTF. The anticipated date for this pilot launch is March 2019.
- The draft PCTF continues to be refined and validated with such pilots, proofs-of-concept, as well as production service launches.

Timelines



Approach to Trusted Digital Identity

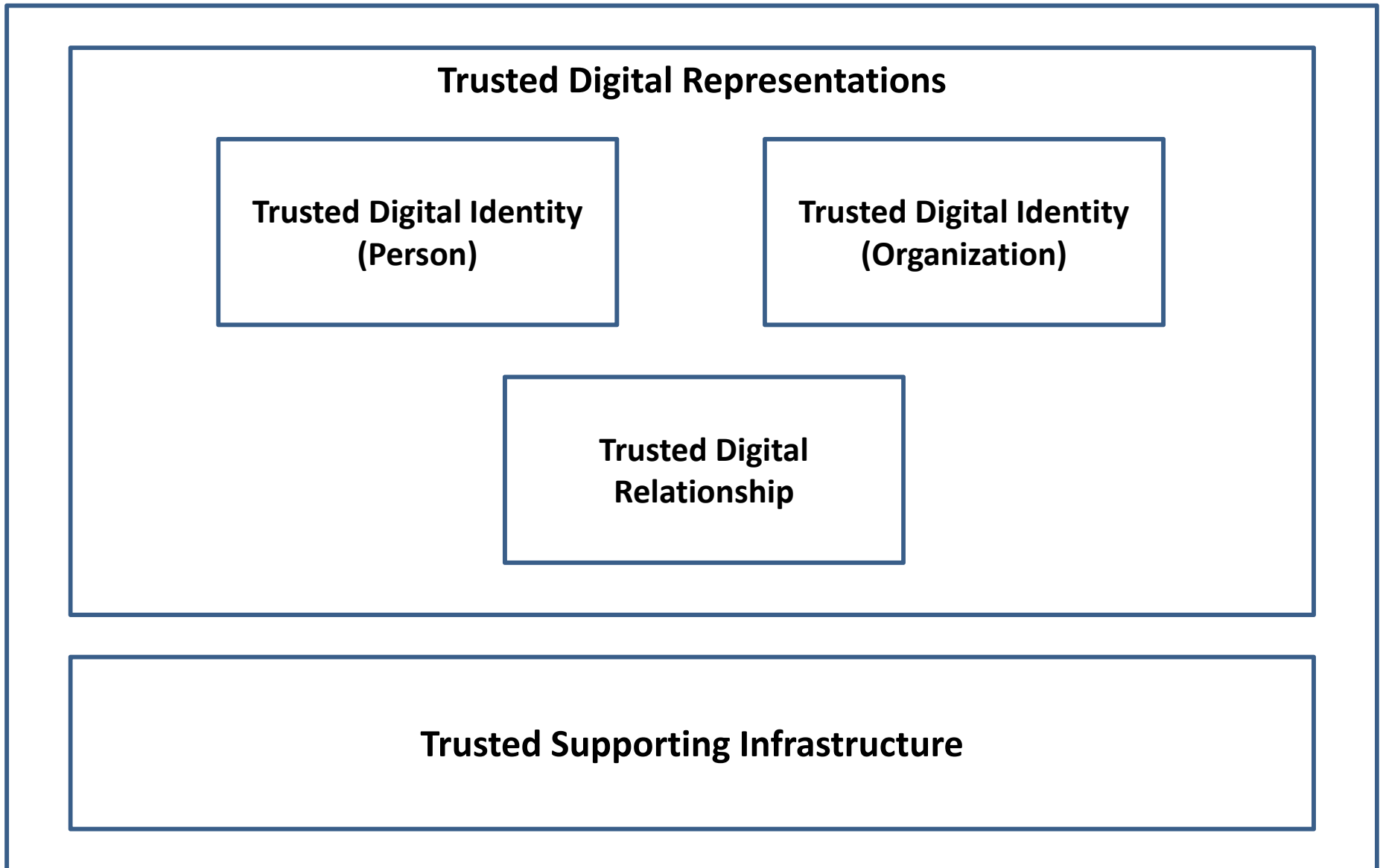


The GC vision is to build a federated, digital identity ecosystem where trusted digital identities are used to deliver GC services in a seamless manner on any platform, with any partner, on any device.

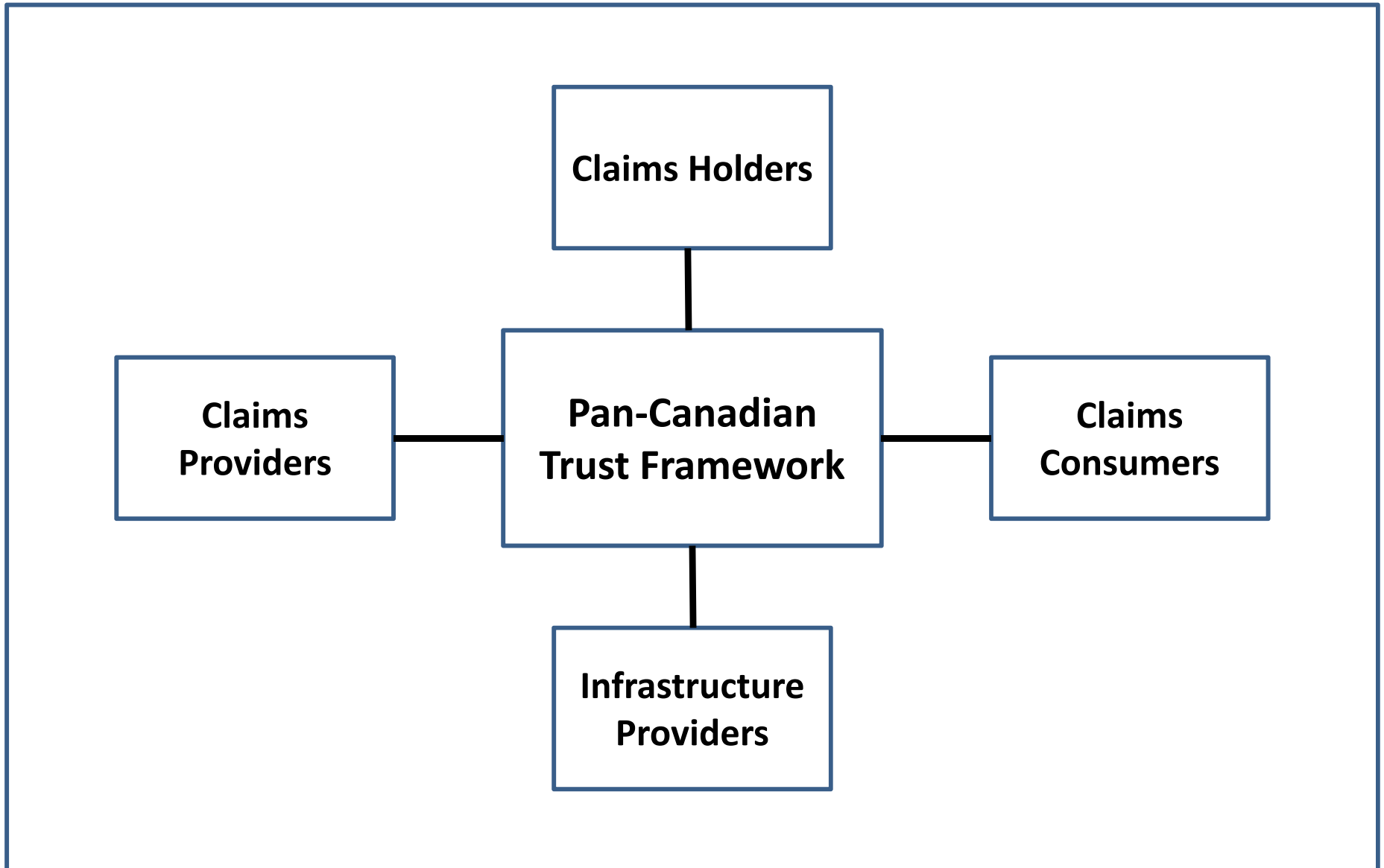
Characteristics of the PCTF

- 1. A simple and integrative framework** that is easy to understand yet capable of being applied in a complex environment
- 2. Technology-agnostic:** provides flexibility and logical precision in assessing the trustworthiness of digital identity solutions and digital identity providers
- 3. Complements existing frameworks** (security, privacy, service delivery, etc.)
- 4. Provides clear links to applicable policy, regulation, and legislation** by defining conformance criteria that can be easily mapped
- 5. Normalizes (standardizes) key processes and capabilities** to enable cross-sector collaboration and ecosystem development

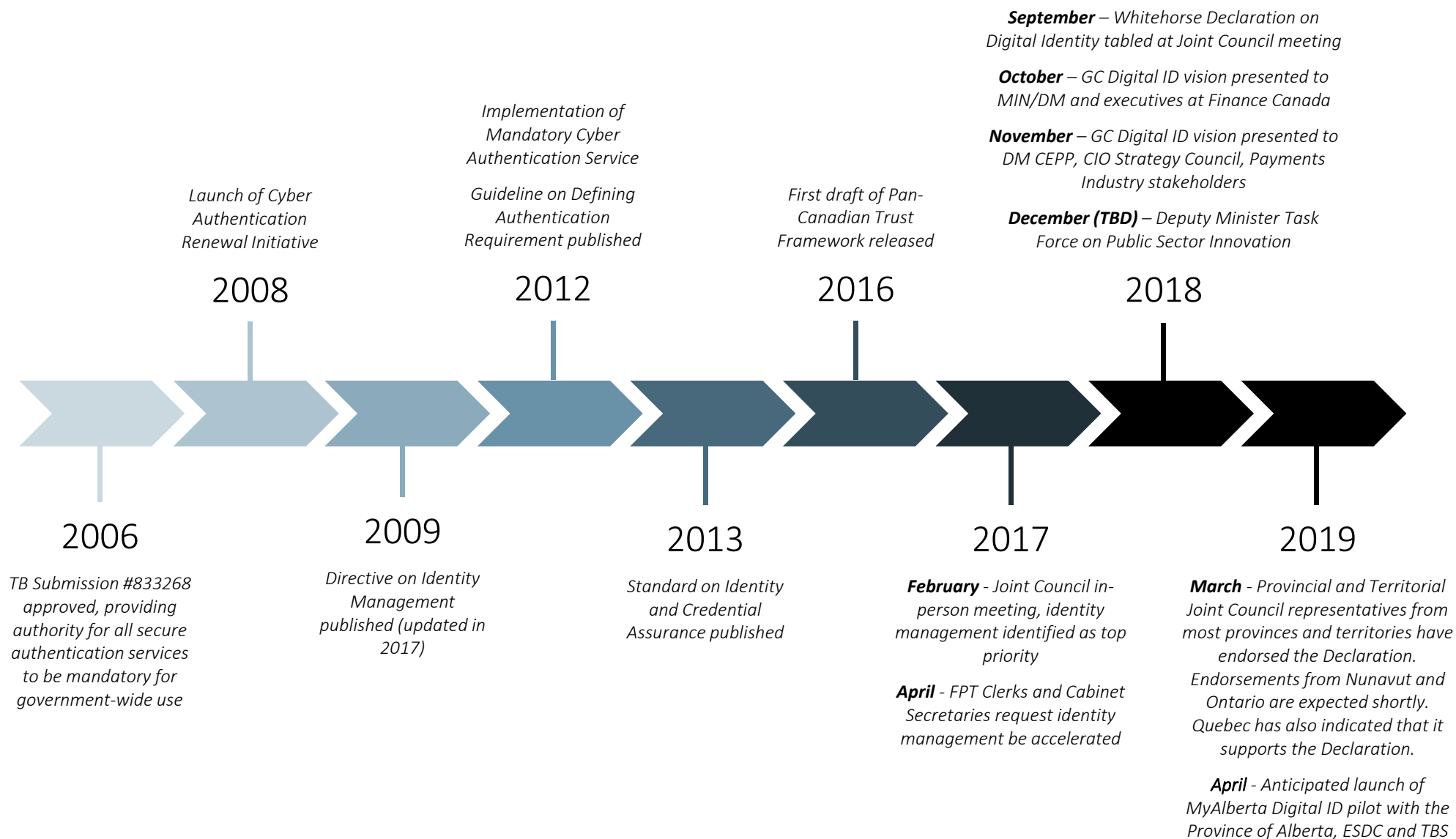
Pan-Canadian Trust Framework Model



Canadian Digital Ecosystem Roles



Digital Identity Work to Date



Digital Identity: case study

GC TALENT CLOUD & CANADA'S FREE AGENTS BLOCKCERT PILOT

VALIDATED SKILL RECORDS
ON THE BLOCKCHAIN

Name
Jennifer Lee

Employer
Government of Canada

Position
Canada's Free Agent

Employed
March 5, 2018

VERIFIED

Public Key
1HYPiutzwR883MSmw6GW

Blockchain Address
4vf641517554ac449da96e0a

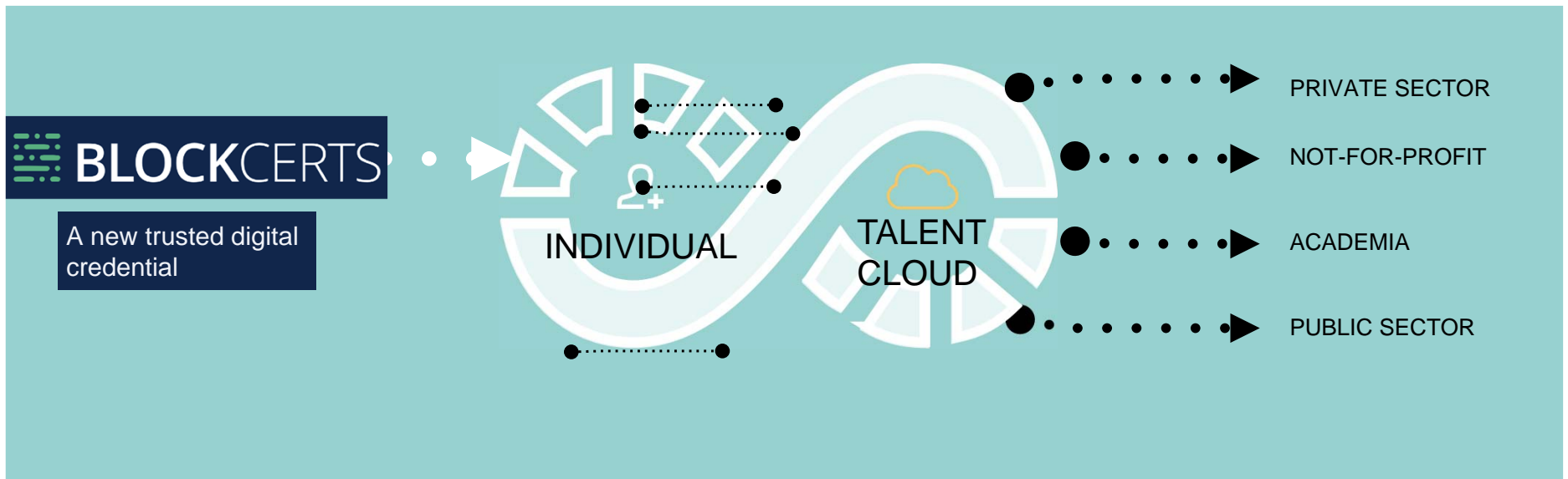


2019-08

For Discussion and Consultation Purposes Only

Digital Identity: return on investment

These validated blockchain credentials can then be used as a trusted digital credential across the **private, non-profit, academic** and **public sectors**.



Opening up possibilities for a whole new level of automation and trust in the hiring process.

Government of Canada Digital Standards

A Set of Guiding Principles



Design with users



Iterate and improve frequently



Work in the open by default



Use open standards and solutions



Address security and privacy risks



Build in accessibility from the start



Empower staff to deliver better services



Be good data stewards



Design ethical services



Collaborate widely