

# **Update on Public Sector Profile of the Pan-Canadian Trust Framework**

Briefing to EU

June 2021



# Agenda

1. What is a 'Trusted Digital Identity' and what are we 'trusting'?
2. Overview of PCTF Assessment and Evolution
3. Next Steps for Discussion
4. Annex Slides

# What is a ‘Trusted Digital Identity and what are we ‘trusting?’

**trusted digital identity** An electronic representation of a person, used exclusively by that same person, to receive valued services and to carry out transactions with trust and confidence.

## What we’ve learned

We have learned from **MyAlberta Digital ID** and **BC Services Card Program** that only a minimal set of attributes is required as identity information for GC program registration:

1. **Assigned Identifier**
2. **Surname**
3. **Date of Birth**
4. **Assurance Level** (The trusted digital identity level)

A trusted digital identity is independent from technical integration protocols.

Currently supported by **SAML**, **OIDC** protocols and the **W3C/VC** protocol

## The technical specifications

1. **Assigned Identifier**
  - a) **Assigned Identifier** [Mandatory]
2. **Person Name**
  - a) **Surname** [Mandatory]
  - b) **Given Name** [Optional]
  - c) **Sex, Gender, Documented Sex** [Optional]
3. **Date of Event**
  - a) **Date of Birth** [Mandatory]
4. **Assurance Level**
  - a) **Trusted Digital Identity Level**

**Q.** So, what are we trusting exactly?

**A.** We are trusting that the Province/Territory is dealing with a real person, and it is same person when accessing GC digital services using their PT-issued trusted digital identity.

# TB Policy Framework: Accepting a Trusted Digital Identity

## Treasury Board Policy Requirements

### ***Directive on Identity Management (2019)***

- ✓ Identity and program-specific information
- ✓ Identity assurance and credential assurance
- ✓ Identity registration
- ✓ Notice and consent

### ***Standard on Identity and Credential Assurance***

- ✓ Identity Assurance Levels
- ✓ Credential Assurance Levels
- ✓ Trusted Digital Identity Levels

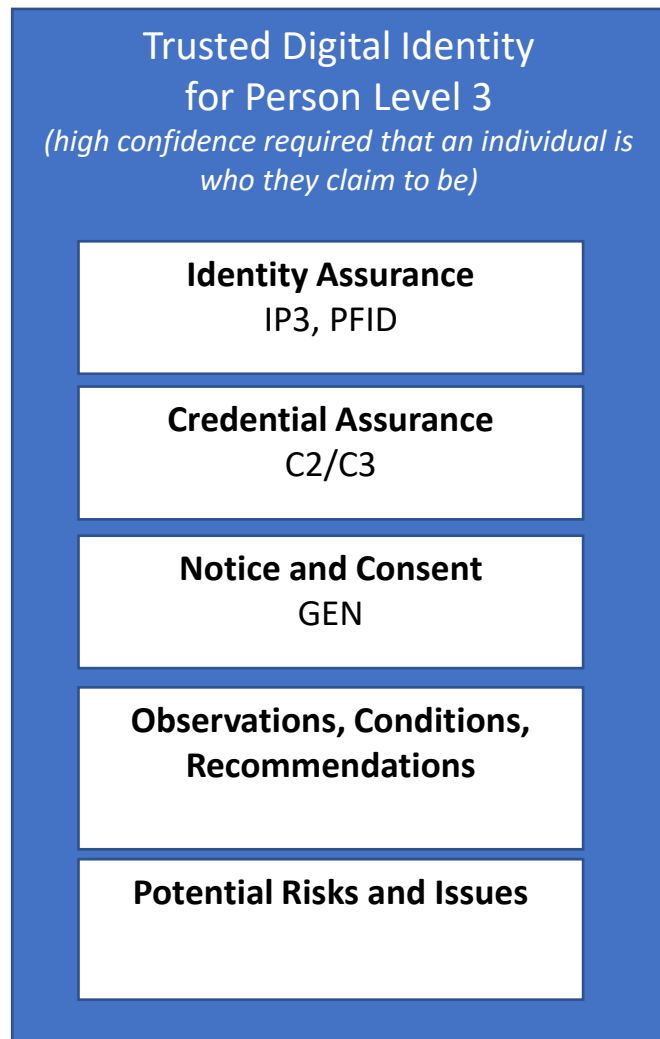


### **Assurance Level Assessment Tool:**

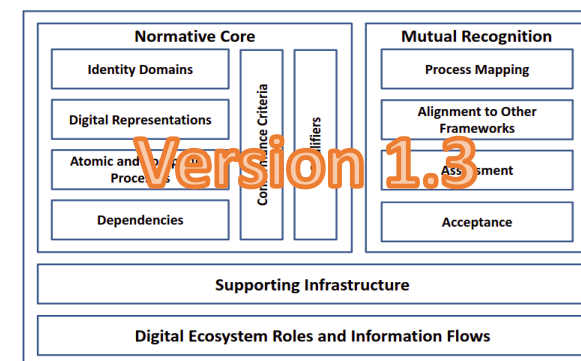
(Note: Assurance Level Requirement == Trusted Digital Identity Level)

[https://canada-ca.github.io/gcdigital-tools\\_outils-numeriquesgc/views-vues/assurance-level-requirement/en/assurance-level-requirement.html](https://canada-ca.github.io/gcdigital-tools_outils-numeriquesgc/views-vues/assurance-level-requirement/en/assurance-level-requirement.html)

## Letter of Acceptance



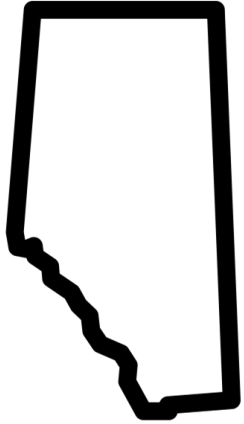
## Pan-Canadian Trust Framework



### ***PSP PCTF Assessment Conformance Criteria (including Qualifiers)***

1. Enterprise-Wide
  - GEN
2. Identity Management
  - IP3
  - PFID
3. Credential Management
  - C2 / C3
4. Notice and Consent
  - General

# PCTF Assessments: Key Milestones and High-Level Timelines



## Province of Alberta

- **April-August 2018** Initial Assessment
- **September 2018:** Letter of Acceptance Issued
- **May 2021:** Reassessment and framework agreement



## Province of British Columbia

- **August-December 2019** Initial Assessment
- **January 2020:** Letter of Acceptance Issued
- **Summer 2021:** Scheduled for reassessment



## Rest of Canada

- Preliminary Discussions
- **2021-202X (Est.)**

# PCTF Assessment: Methodology

## 1. Pan-Canadian Trust Framework Document

- PTCF Consolidated Overview Document
- Combines scope of **Persons, Organizations, and Relationships**
- Defines **Atomic Processes and Qualifiers** (levels of assurance, etc.)
- Provides background information, high-level guidance and definitions.

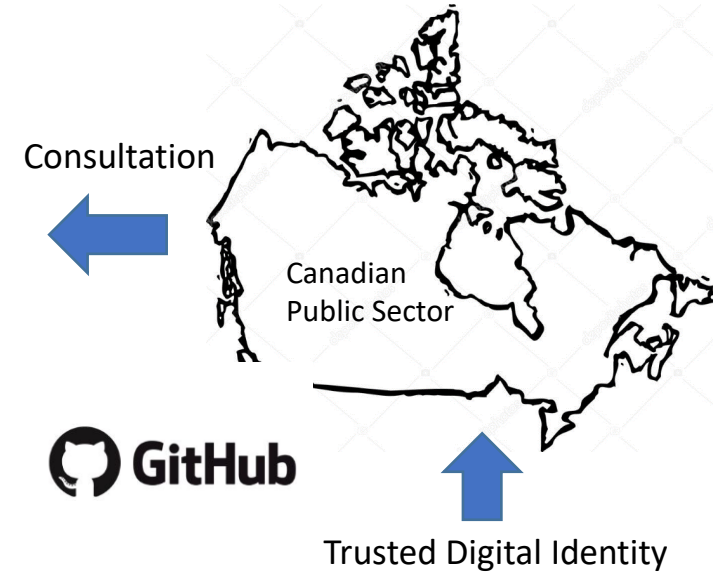
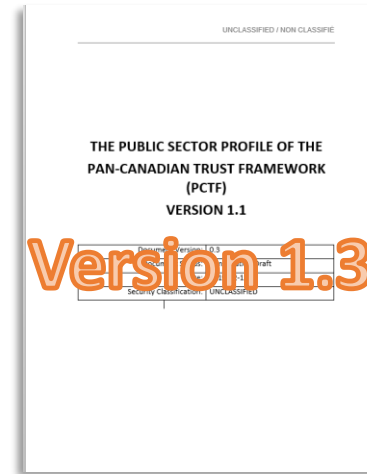
## 2. PCTF Assessment Worksheet

- Specifies **Conformance Criteria** for each atomic process (approximately 400+ in total)
- Outlines an **Overall Assessment Approach** to collect and assess evidence (program documentation, etc.)
- Documents assessment outcome for each conformance criteria: **[Accepted, Not Accepted, Accepted with Condition, Accepted with Observation, Not Applicable]**

## 3. GC Letter of Acceptance

- Formally documents the outcome of PCTF assessment process
- Issued to acknowledge acceptance of a trusted digital identity.

### Consolidated Overview



### Assessment Worksheet

Sheet	Description	Purpose
Overall Assessment	Summarizes assessment for inclusion into letter of acceptance.	Informative
Assessment Conformance Criteria	Consolidated list of atomic processes and conformance criteria.	Normative
Process Definitions	Master description of standardized atomic processes as currently defined in the Public Sector Profile of the Pan-Canadian Trust Framework.	Normative
Business Process Mapping	Template to map existing business processes.	Informative
Participant Roles	Template to map different providers, consumers, etc.	Informative
International Standards Mapping	Used to help inform mapping to other trust framework schemes and guidance. See worksheet for further details.	Informative
Additional Resources	GitHub Repo (Public Sector Profile)	Informative
Related Assessments	Related artifacts that may be used.	Informative

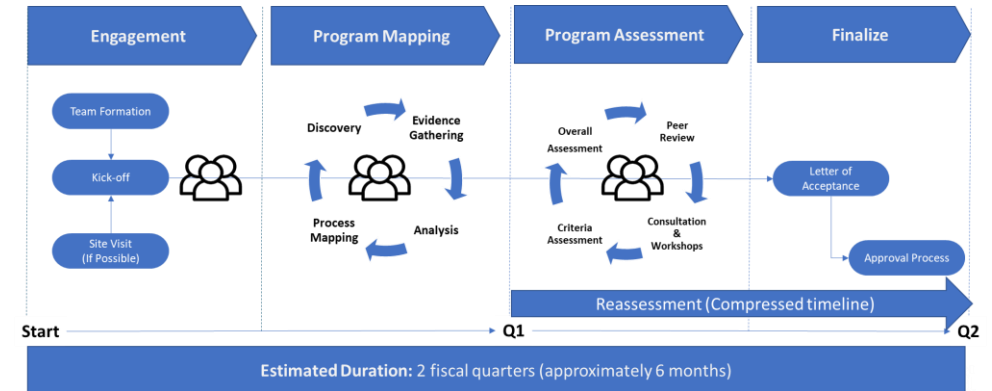


Latest version is available at: <https://github.com/canada-ca/pctf-ccp>

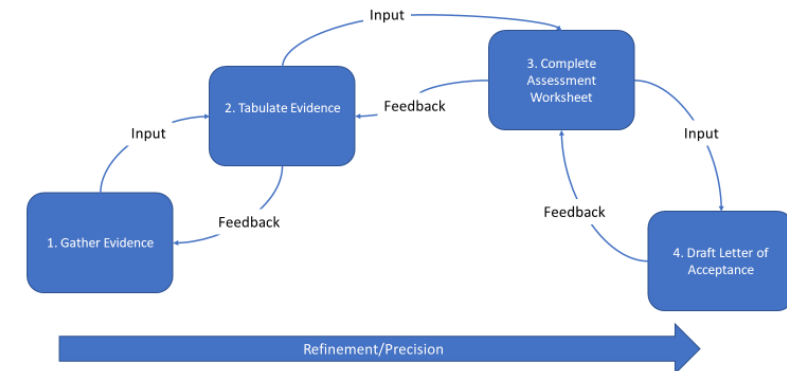
# PCTF Methodology: Application and Evolution

- PCTF Version 1.0 – July 2019
- PCTF Version 1.1 – June 2020
- PCTF Version 1.2 – Dec 2020
  - PCTF Working Group is dissolved – Dec 2020
  - Work Item Proposed for Version 1.3
    - Incorporation of Organizations and Relationships
    - Global review of Conformance Criteria
    - Addressing Thematic issues.
- PCTF Version 1.3 – May 2020
  - Completion of Work Item
  - Incorporation of Lessons Learned from
    - Alberta (led by TBS)
    - Corporations Canada (led by ISED)

Detailed Assessment Process



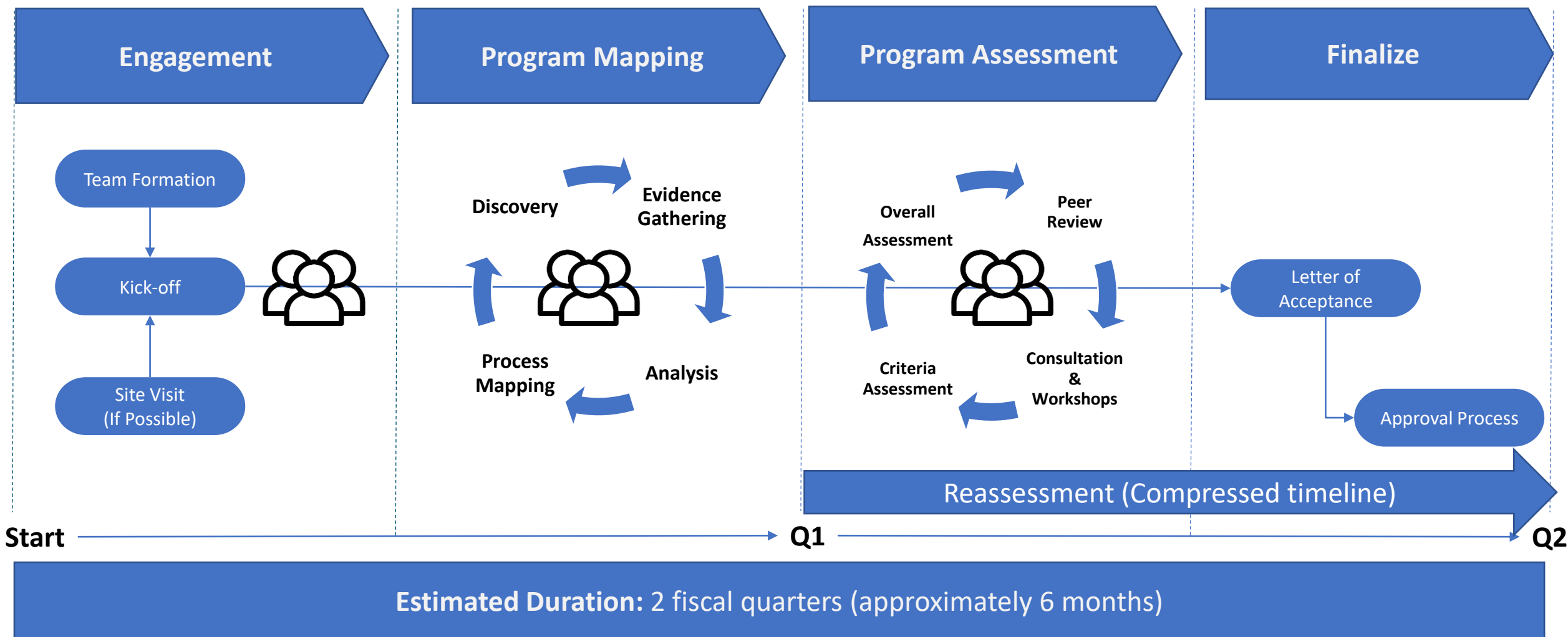
Iterative Assessment Process



*'Learn to do by doing'*

# PCTF Detailed Assessment Process

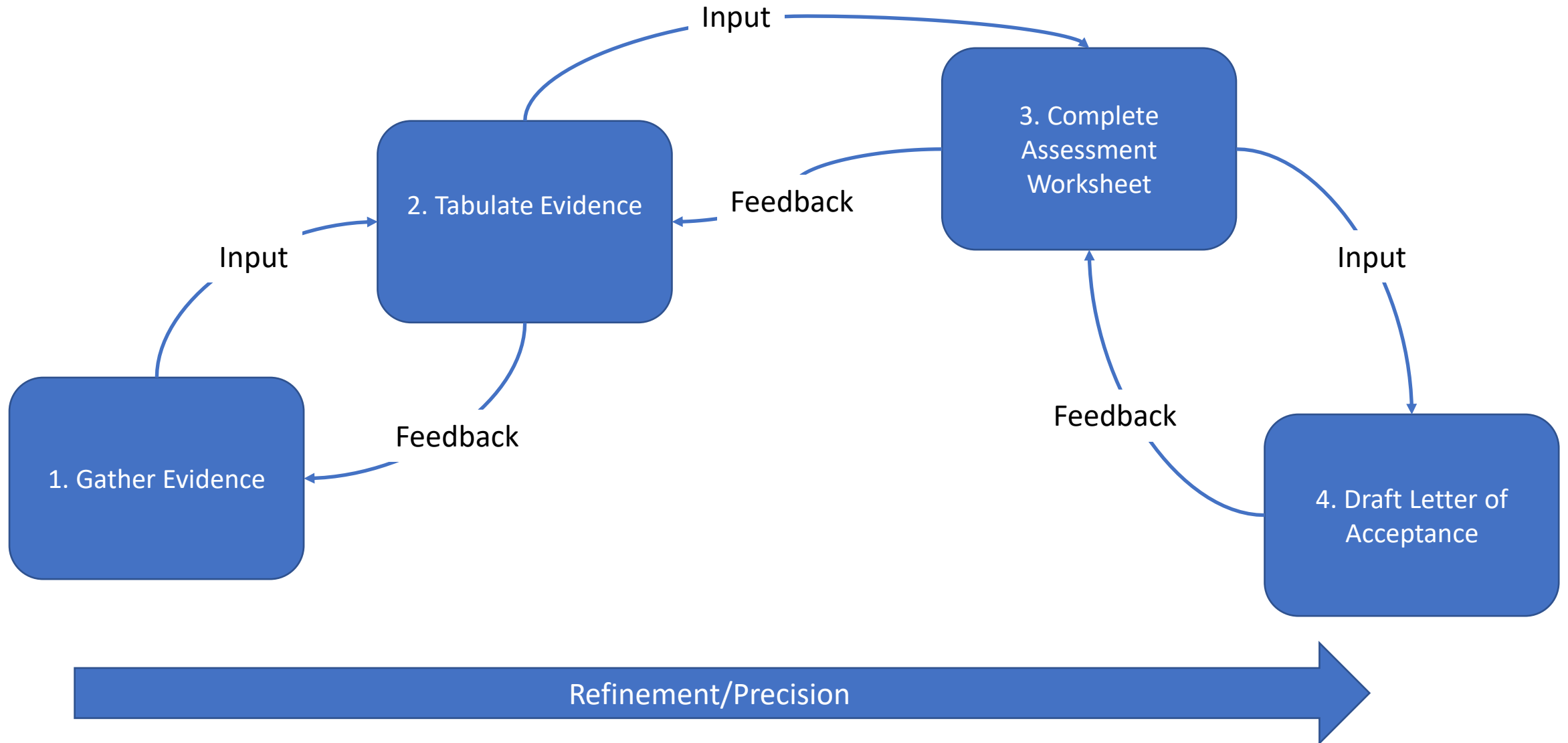
- Assessment process is conducted in **four phases** over **two fiscal quarters**
- Resourcing during phases requires **3.0 FTE** \* - **2.0 FTE**\* for dedicated analysis + **part-time 1.0 FTE** for consultation and assistance.

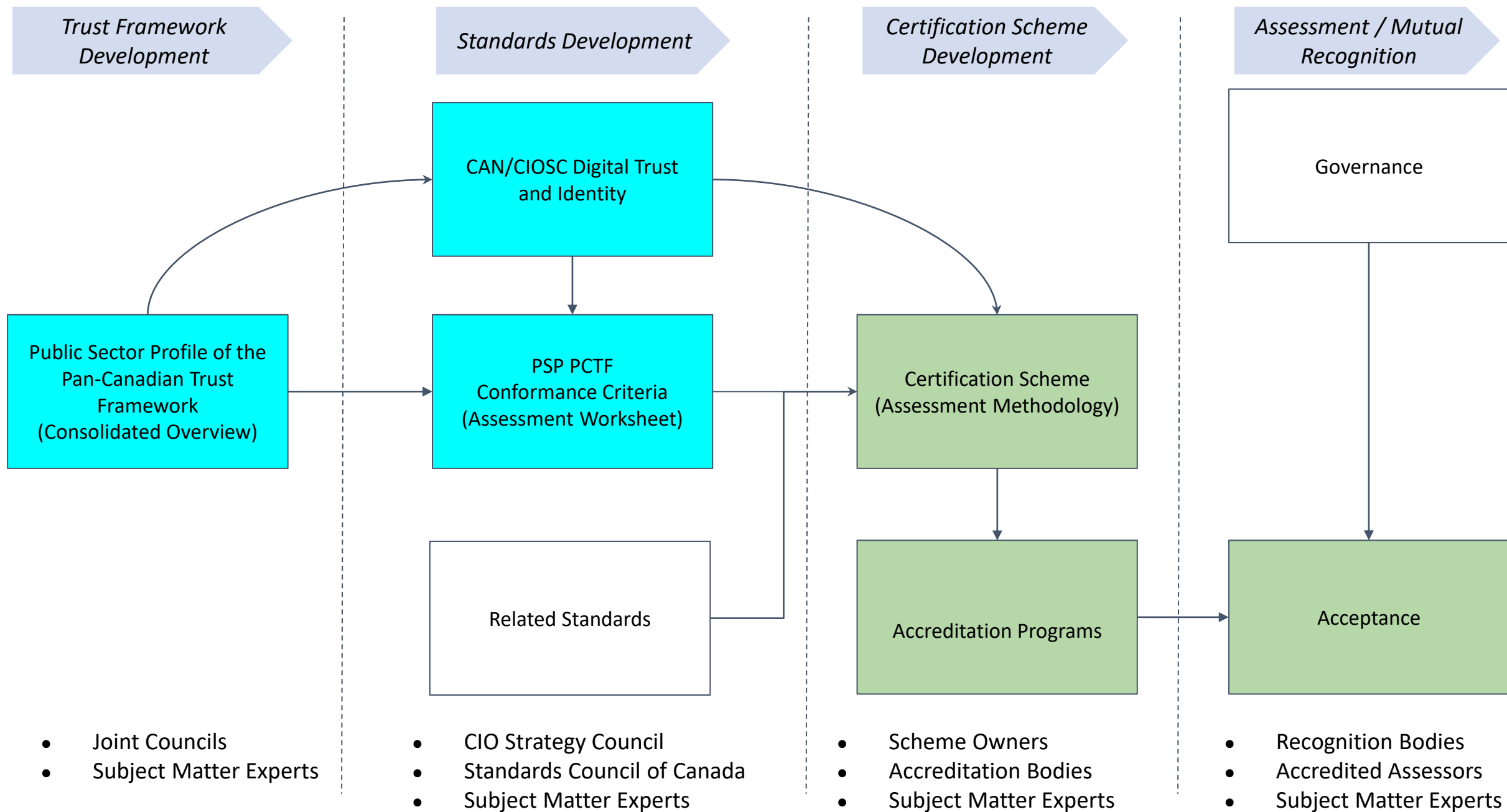


\* FTE is full-time-equivalent



# Iterative Assessment Process





# National / International Digital ID

Legislation , Agreements, Treaties, etc.  
(e.g. OECD, WEF, World Bank, etc.)

**National / International Standards**  
**CAN/CIOSC 103-1:2020**  
**Digital Trust and Identity – Part 1: Fundamentals**



## Public Sector Profile Pan-Canadian Trust Framework

**Scope: Public Sector**

**Focus: Program Integrity**

- Public Interest: specialized to needs of Public Sector to ensure trust and confidence.
  - Conformity assessment and approvals
  - Version 1.1 now available

### DIACC Pan-Canadian Trust Framework

**Scope: Private Sector**

**Focus: Products & Services**

- Private Sector-driven: goal is to encourage standardized commercial products and services.
- Conformity assessment and approvals
  - Version 1.0 pending.

### Other Trust Frameworks

EIDAS  
(EU)

TDIF  
(Australia)

Kantara

- There are multiple international and industry specific trust frameworks
- Participating in Digital Nations Thematic Group on Digital Identity

## Federal Digital ID

### Legislation

- Financial Administration Act

### Policies

- TB Policy on Government Security

### Directives

- TB Directive on Identity Management

### Standards

- Standard on Identity and Credential Assurance

### Guidelines and Technical Standards

- Guideline of Identity Assurance, Authentication Requirements
- CATS, ITSP.030.31

## Prov/Terr Digital ID

### Legislation

### Policies

### Directives

### Standards

### Guidelines and Technical Standards

