

# **Update - Pan-Canadian Trust Framework**

## **Joint Councils**

**February 22, 2017**

### **Identity Management Sub-Committee (IMSC)**

#### **IMSC Co-Chairs:**

Rob Devries, Province of Ontario, Ministry of Government and Consumer Services

Rita Whittle, Government of Canada, Treasury Board Secretariat

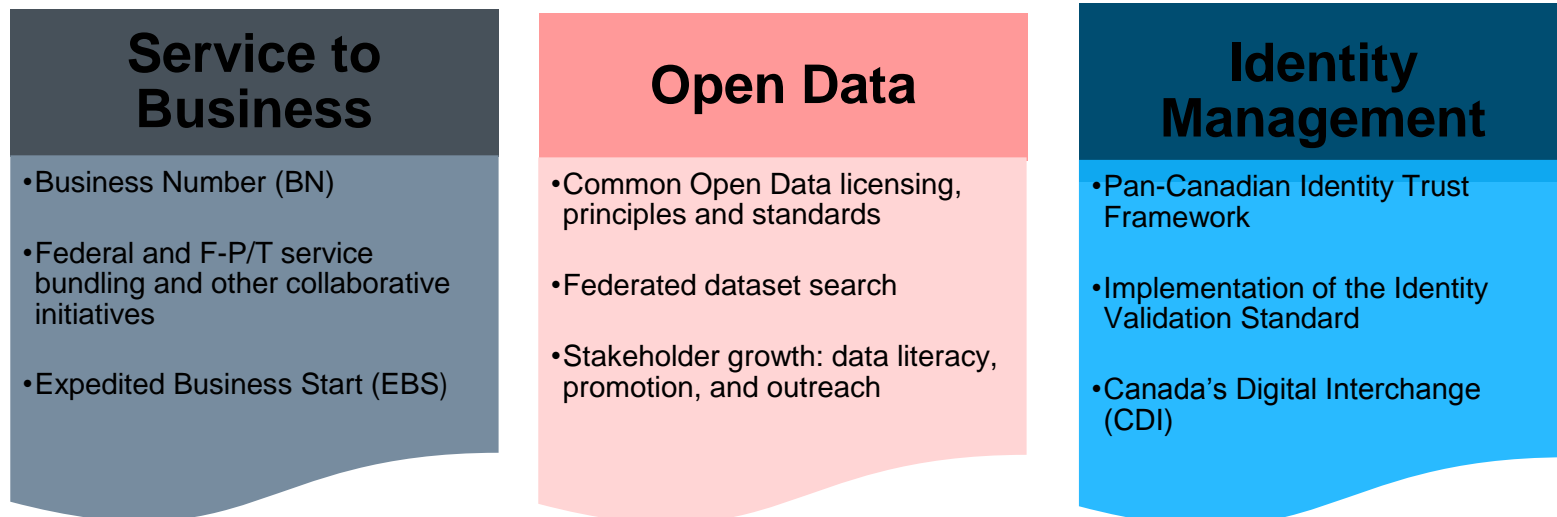
# Objectives

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- 1. Pan-Canadian Trust Framework  
– A Brief History**
- 2. Progress update on Pan-Canadian Trust Framework Activities and Deliverables**
- 3. Risks and Mitigation Discussion**
- 4. Proposed Next Steps**

# Pan-Canadian Trust Framework - A Brief History

- In January 2015, the Co-chairs of the F-P/T Deputy Ministers' Table on Service Delivery Collaboration presented to the Clerks and Cabinet Secretaries Committee.
- Three priority areas were identified:



***DMs' identified these enabling priorities to advance a digital-first, 24/7, and 'tell-us-once' approach for Canadians.***

# PAN-CANADIAN TRUST FRAMEWORK

## What is the Pan-Canadian Trust Framework?

### Trusted Digital Identity



Including Public Sector and Private Sector Considerations

*Is it the same person?*

*Is it a real existing person?*

*Has the user given consent ?*

#### User Sign-In Component

Set of trusted processes to ensure a user is securely signed-in and acting on his or her own behalf

#### Verified Person Component

Set of trusted processes to uniquely identify a real person, ensure identity information is accurate and up-to-date, and claims /actions are attributed to them

#### Consent and Delegation Component

Set of trusted processes to link a user sign-in to a verified person and manage consent as granted by them

### Pan-Canadian Infrastructure Component

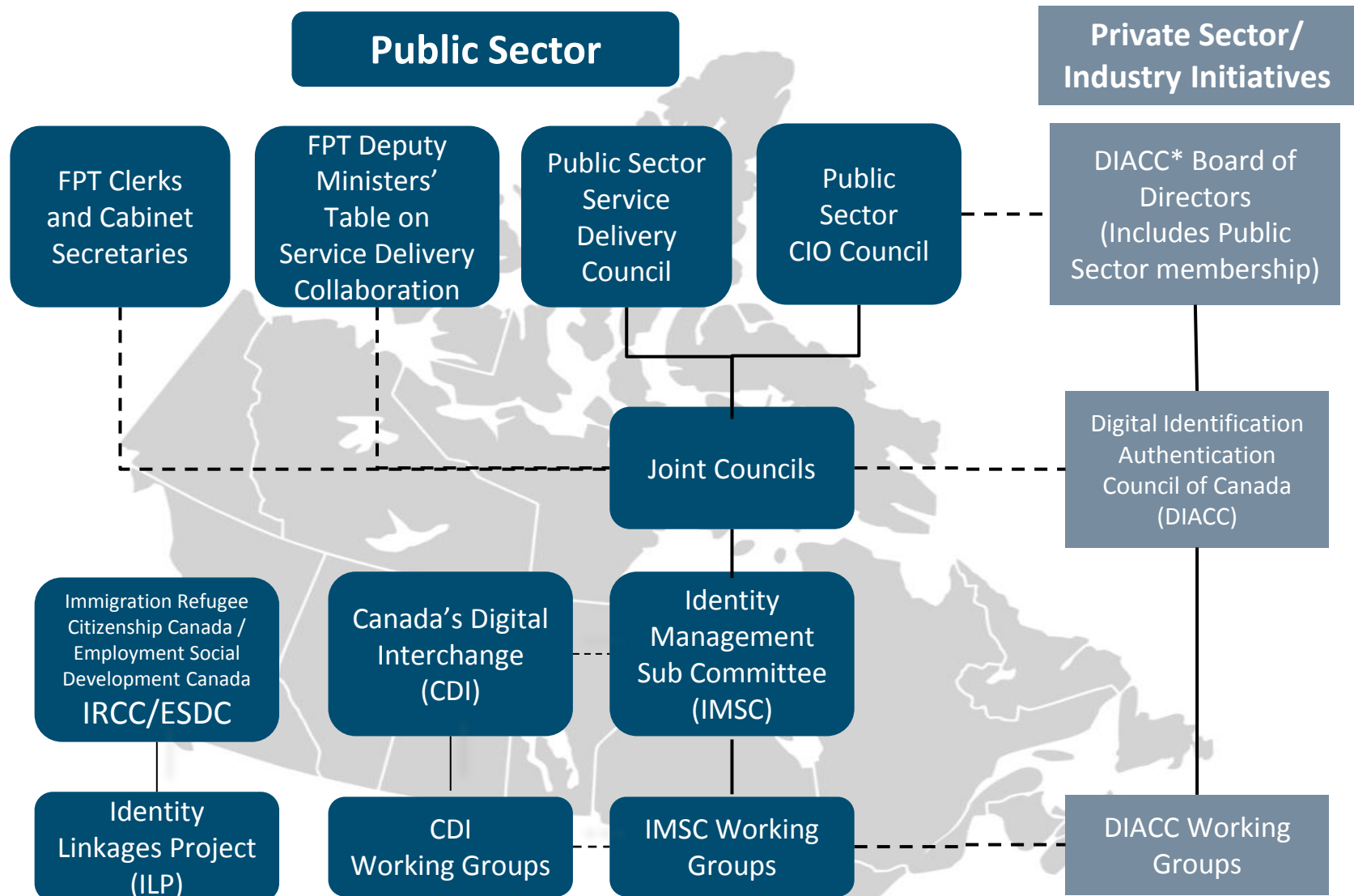
Technical Standards, Specifications, Certifications Privacy, Security, Service Delivery, Organizational

An enabler for  
digital service



A set of agreed on definitions, principles, conformance criteria, and standards used consistently to ensure individuals and business are who they say they are.

# Pan-Canadian Trust Framework: Context



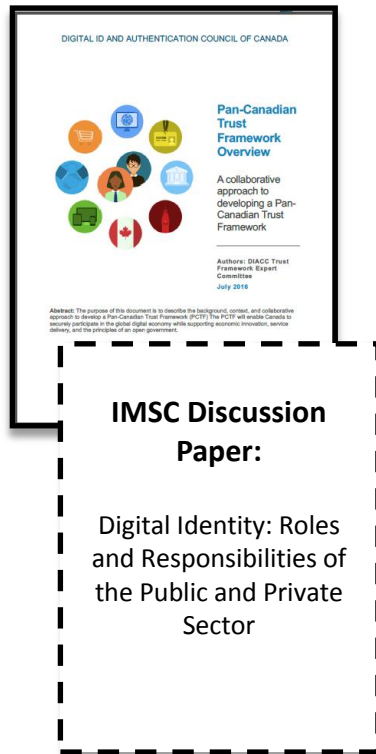
## Other Initiatives Underway

- Death Notification Project
- Business Number or Expedited Business Start
- DIACC Proof of Concept for Residency

*\*Digital Identification and Authentication Council of Canada*

# Pan-Canadian Trust Framework Deliverables

## Overview and Discussion



Currently the Pan-Canadian Trust Framework suite consists of 11 deliverables:

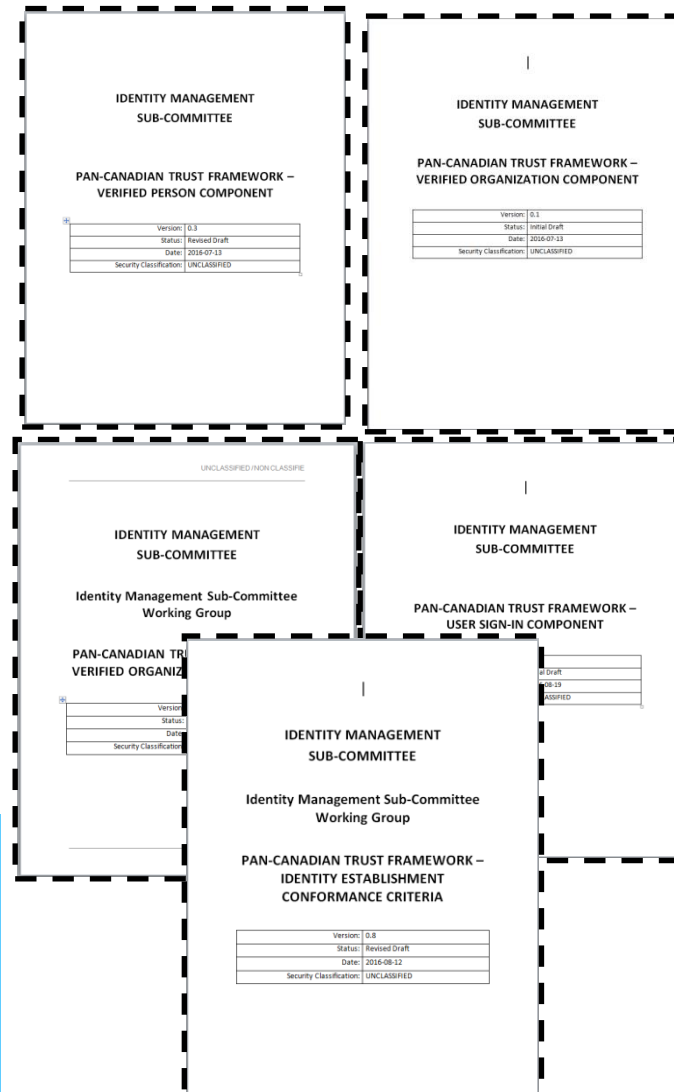


= published or final drafts

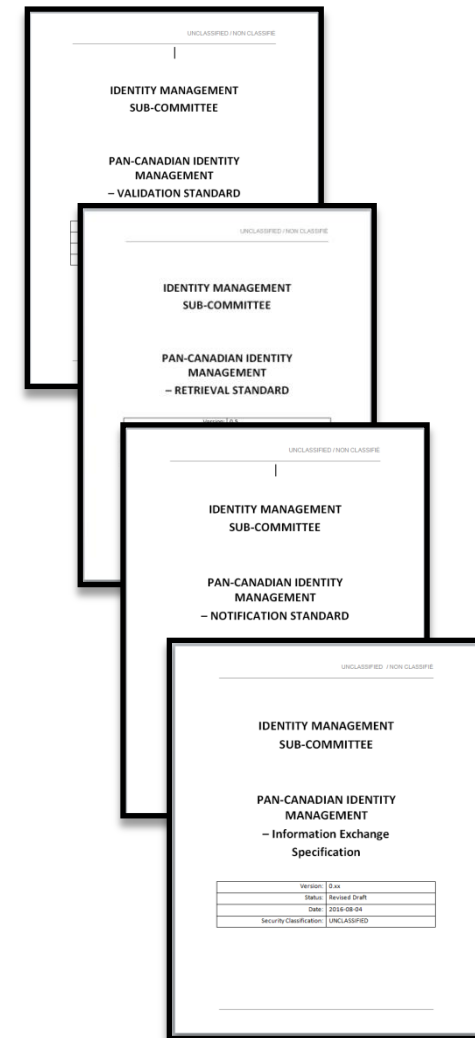


= working group drafts

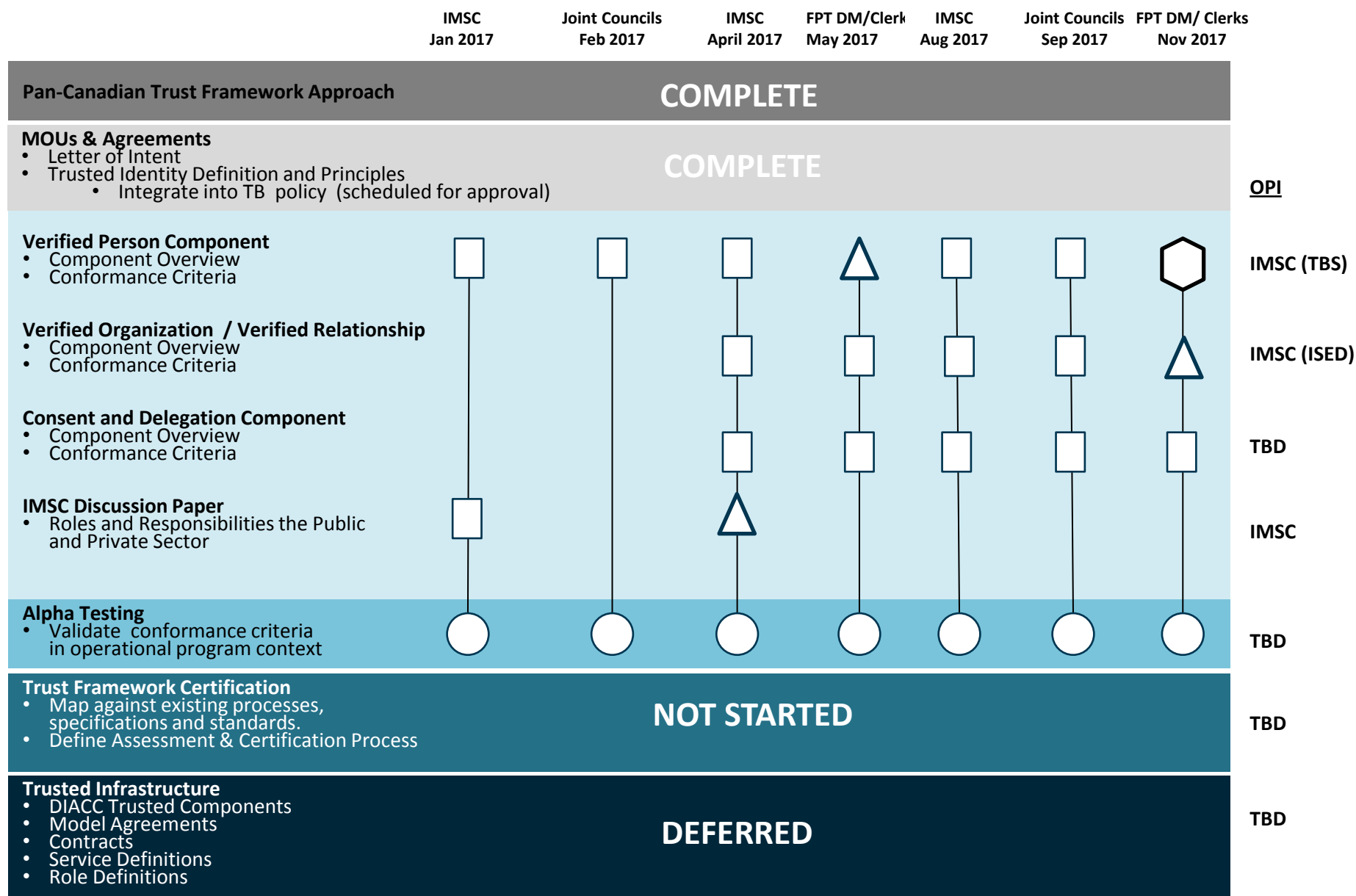
## Component Overviews and Conformance Criteria



## Standards and Specifications



# IMSC Critical Path 2016-2017: Pan Canadian Trust Framework:



= update/direction



= decision/endorsement



= updates due to Alpha Testing



= completed

Updated as of January 30, 2017

# Trust Framework: Progress on Deliverables

Pan-Canadian Trust Framework	Deliverable(s)	Status	Est. Date	Lead(s)
<b>MOU &amp; Agreements</b>	<ul style="list-style-type: none"> <li>Letter of Intent</li> </ul>	Complete	Apr 2016	IMSC/DIACC
<b>Trust Framework Overview</b>	<ul style="list-style-type: none"> <li>Pan-Canadian Trust Framework Overview</li> </ul>	Published	Aug 2016	IMSC/DIACC
<b>User Sign-In Component</b>	<ul style="list-style-type: none"> <li>User Sign-In Component Overview</li> <li>User Sign-In Conformance Criteria</li> </ul>	<ul style="list-style-type: none"> <li>WG Draft</li> <li>Feedback from Industry</li> <li>Alpha Testing*</li> </ul>	May 2017	DIACC
<b>Verified Person Component</b>	<ul style="list-style-type: none"> <li>Verified Person Component Overview</li> <li>Verified Person Conformance Criteria</li> </ul>	<ul style="list-style-type: none"> <li>WG Draft</li> <li>Feedback from Jurisdictions</li> <li>Alpha Testing*</li> </ul>	May 2017	IMSC (TBS)
<b>Consent and Delegation Component</b>	<ul style="list-style-type: none"> <li>Consent and Delegation Overview</li> </ul>	Initiation	Fall 2017	TBD
<b>Verified Organization Component</b>	<ul style="list-style-type: none"> <li>Verified Organization Component Overview</li> </ul>	WG Draft	Nov 2017	IMSC (ISED)
<b>Verified Relationship Component</b>	<ul style="list-style-type: none"> <li>Verified Organization Component Overview</li> </ul>	Initiated	Nov 2017	IMSC(ISED)
<b>Standards and Specifications</b>	<ul style="list-style-type: none"> <li>PCIM Validation Standard</li> <li>PCIM Notification Standard</li> <li>PCIM Retrieval Standard</li> <li>PCIM Information Exchange Specification</li> </ul>	Released Versions	Sept 2016	IMSC
<b>Discussion Paper</b>	<ul style="list-style-type: none"> <li>Digital Identity: Roles and Responsibilities of the Public and Private Sector</li> </ul>	Initiated	April 2017	IMSC

*\*Details of Alpha Testing on Next Slide*

# Alpha Testing of Conformance Criteria

## **“Alpha Testing”**

- Involves validation of the conformance criteria in a program or operational context.
- Validation includes the following:
  - Testing, feedback and revisions to conformance criteria as required
  - Development of guidance to support the interpretation and implementation of the conformance criteria

## **What does this mean for Business Owners / Program Delivery Managers?**

- Opportunity to provide tangible and concrete feedback
- Develop a common understanding of similar processes carried out in different programs and jurisdictions
- Inform the development and practical application of the trust framework
- Use as input into service design, digital transformation initiatives.

# Risks and Mitigation Discussion

## Scope and Complexity

- **Risk:** Trust framework is a complex undertaking (in particular, Consent and Delegation component)
- **Mitigation:** Definition of discrete, manageable deliverables

## Resourcing

- **Risk:** Timelines impacted due to absence of dedicated resources and/or funding (based on “best-efforts”)
- **Mitigation:** Dedicated resources and/or additional funding across all jurisdictions

## Alignment of Stakeholders

- **Risk:** Diverse community needs need to be aligned (public sector and private sector)
- **Mitigation:** Active collaboration between DIACC and IMSC members (as per LOI)

# Proposed Next Steps

## 1. Pan-Canadian Trust Framework - Development

- Continued development of Pan-Canadian Trust Framework deliverables in IMSC and DIACC working groups
  - Develop Trust Framework Conformance Criteria and Profiles
- Coordinate efforts with other working groups
  - Canada's Digital Interchange
  - Death Registration & Notification
- Begin testing of trust framework conformance criteria
  - 'Alpha Testing' Program
- Initiate Consent and Delegation working group
  - Reach out to Privacy and Service Delivery communities to lead this work

## 2. Pan-Canadian Trust Framework - Implementation

- Critical Path Development
- Jurisdictional Readiness Assessment
- Ongoing Maintenance of Trust Framework products
- Continued engagement related to: Information Sharing Agreements (ISAs), Privacy, and Machinery of Government

## 3. FPT DM Table (May 2017)

- Present progress regarding Pan-Canadian Trust Framework
- Seek endorsement on: Verified Person and User-Sign-in components

# Annexes

# Identity Management

## Annex A: Identity Management Priority

**Identity is fundamental to Canadian society as it is the starting point of trust and confidence in interactions between the public and governments and government to government**

**Governments need to know that their clients are who they say they are...**

- **Documents alone cannot provide assurance** of identity for digital delivery
- **Electronic means of validating identity is required** for secure online transaction

**Governments need ways to trust identity information that travels across jurisdictional boundaries**

- Need to ensure that **identity information remains up to date**
- Need to provide Canadians with a more **streamlined and secure** way to interact with governments

**All jurisdictions and sectors have a role to play to advance this priority**

- ✓ PTs are the authoritative sources of identity information for persons born in Canada in their respective jurisdictions
- ✓ The federal government is the authoritative source of identity information of persons born abroad

# Annex B: Pan-Canadian Trust Framework Components



# Annex C: Verified Person Component Example

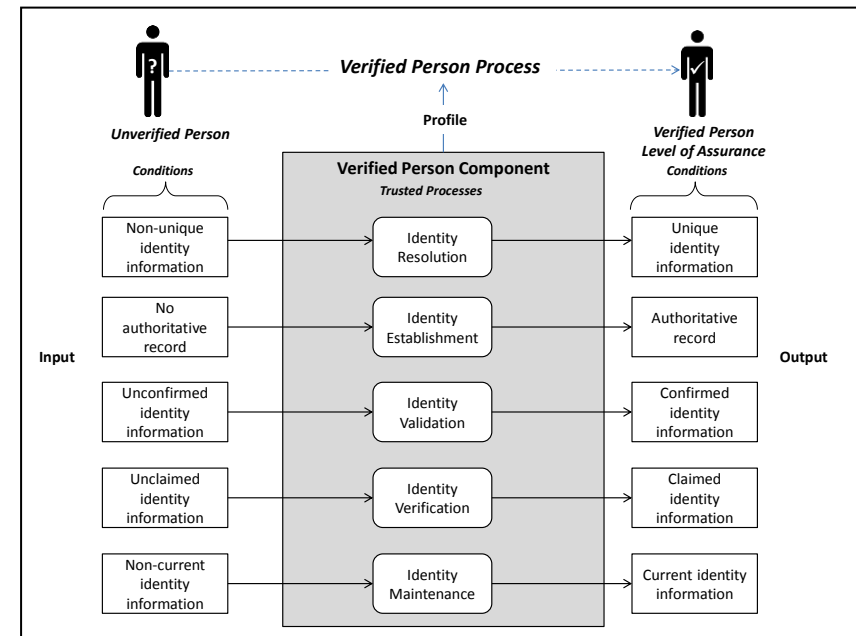
*Selected excerpts from draft deliverable:*

## Overview

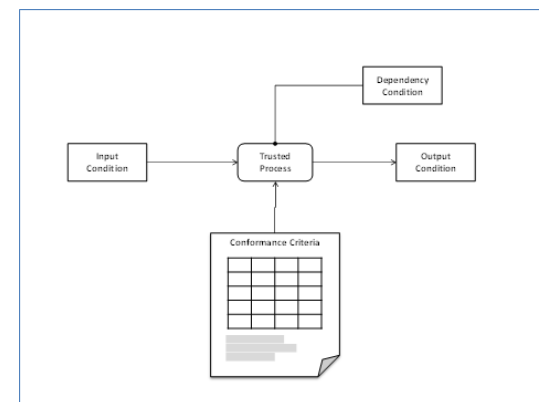
The Verified Person Component defines a set of processes used to verify that an individual is real, identifiable, and truthfully claimed who he or she is. The processes ensure identity information relating to the individual exclusively resolves to the individual only, is confirmed as accurate, is rightfully claimed by the individual (i.e., not being used by an imposter), and is up-to-date.

The Verified Person Component consists of elements that include the following:

- **Trusted Processes** – the set of processes that conform to criteria (conformance criteria) specified by the trust framework and on which may be relied by others
- **Conditions** – the particular states or circumstances relevant to verifying a person
- **Inputs** – into trusted process – an unverified person
- **Outputs** – outputs resulting from trusted processes – a verified person and the qualifier, level of assurance
- **Dependencies** – relationship between trusted processes
- **Profiles** – profiles used to ensure consistency of implementation, specify additional criteria, and facilitate trust framework certification.



## Verified Person Trusted Processes



## Trusted Process and Conformance Criteria

# Annex D: Federating Identity: Milestones and Initiatives 2004-2017

## Milestones/Deliverables

- ✓ 2004: Secure Channel, including its epass authentication service, operational
- ✓ 2007: Identity Management & Authentication (IATF) Task Force Report
- ✓ 2008: Cyber Auth Report on Future Requirements for the Government of Canada
- ✓ 2009: TBS Directive on Identity Management
- ✓ 2009: ITSG-31 Authentication Guidance
- ✓ 2010: Pan-Canadian Assurance Model
- ✓ 2010: BC Identity Assurance Standard
- ✓ 2010: BC Evidence of Identity Standard
- ✓ 2010: BC Electronic Credential & Authentication Standard
- ✓ 2010: CIC (Passport Program) Facial Recognition capability operational
- ✓ 2010: Cyber Auth RFP 1/RFP2/RFP3
- ✓ 2011: Federating Identity for the Government of Canada: Background<sup>1</sup>
- ✓ 2011: IMSC Pan-Canadian Approach to Trusting Identities
- ✓ 2011: National Routing System (NRS) Data Exchanges Standard
- ✓ 2012: Cyber Authentication Technical Specification
- ✓ 2012: Guideline on Defining Authentication Requirements
- ✓ 2012: Federating Identity Broker Architecture
- ✓ 2013: GC Federated Credential operational
- ✓ 2013: Standard on Identity and Credential Assurance
- ✓ 2013: Cyber Auth Close Out Report
- ✓ 2013: ePassport operational
- ✓ 2013: Issuing new BC Services Card commenced
- ✓ 2013: Service Quebec now responsible for clicSÉCUR
- ✓ 2013: Ontario approves Electronic Identification, Authentication and Authorization (IAA) policy
- ✓ 2014: Pan-Canadian Identity Validation Standard
- ✓ 2015: GC Guideline on Identity Assurance
- ✓ 2015: BC Identity Information Standard
- 2016: Pan-Canadian Trust Framework

*Lessons  
Learned*

*Strategic  
Alignment*

## Initiatives/Oversight

### **National Routing System**

- 2004-2006: Pilot
- 2006-Present: In Production

### **Cyber Authentication Renewal**

- 2008: Creation of DM Cyber Auth Committee
- 2008-2010: Consultation & Strategy
- 2010-212: Procurement & Transition
- 2012: Services Operational: (SecureKey Concierge & GCKey)
- 2013 Conclusion (DM membership incorporated in DM SFI)

### **Federating Identity**

- 2010: GC Guideline on Defining Authentication Working Group
- 2011: GC Guideline on Identity Assurance Working Group
- 2013: GC Pilot Projects (Individuals/Businesses)
- 2013: GC Policy & Legal Implications Working Group
- 2014 Canada's Digital Interchange
- 2015 Identity Linkages Project

### **Task Force for Payments System Review**

- 2012: Recommendation to create Digital Identification and Authentication Task Force (DIAC)
- 2015: DIACC Trust Framework Working Group

### **Identity Management Sub-Committee (IMSC)**

- 2012: Changed Reporting Structure to Joint Councils
- 2013: IMSC Working Group

### **International**

- 2013-2015: Identity Summits
- Involvement in Kantara, ISO & ANSI Standards

### **DM Committee on Service and Federating Identity (SFI)**

- 2013: Inaugural meeting

### **Related Arrangements & MOUs**

- Citizenship Certificate Validation (CIC & Provinces)

# Annex E: IMSC Members

## Federal

**Rita Whittle, IMSC Co-Chair**

Anik Dupont

Natalie McGee

Caitlin Imrie

Cynthia Leblanc

Daniel McLaughlin

Silvano Tocchi

France Bildodeau

## BC

Ian Bailey

Patricia Wiebe

## Alberta

Roy Enslev

Jackie Stankey

## Saskatchewan

Shaylene Salazar

Wilbour Craddock

## Manitoba

Guy Gordon

Patrick Hoger

## Ontario

**Rob Devries, IMSC Co-Chair**

## Quebec

Stéphane Auclair

Guy Gagnon

## New Brunswick

Colleen Boldon

## Nova Scotia

Glen Bishop

Arlene Williams

## PEI

Tim Garrity

## Newfoundland and Labrador

Susan Wilkins

## Yukon

Chris Bookless

Sean McLeish

## Northwest Territories

Linda Maljan

## Vital Statistics

Valerie Gaston

## MSDO/MISA

Karla Hale

Chris Fisher