



Special Interest Group Charter

Group Name	Foundational Identity Special Interest Group
Participants	<p>Valid8ID Solutions Inc. BCVSA SecureKey 2Keys/Interac Axiell</p> <p>Minimum participation should cover at least 2, preferably 3 provinces. IRCC participation would be strongly desired.</p>
Area of Interest	The integration of Foundational Identity into the identity system to improve identity resolution between domains, introduce new efficiencies to service delivery and to reduce fraud.
Related Committees	This SIG will inform the DIACC's Innovation Expert Committee (IEC). The discussions that take place in this SIG may also inform the DIACC's Trust Framework Expert Committee (TFEC) and Outreach Expert Committee (OEC).
Background	<p>An individual's identity in Canada is rooted in their birth or immigration record, however these anchors of identity are not integrated into the identity system. Instead our identity system exists in public- and private- sector silos, and identity resolution between these relies on imperfect and inaccurate name matching methods, resulting in service delivery inefficiencies and identity fraud significantly impacting the Canadian economy.</p> <p>Valid8ID Solutions Inc. (Valid8ID) is developing its Identity Information Validation Service (IIVS), a messaging service for the secure exchange of Identity information validation messages between private sector Relying Parties (RPs) and the public sector Authoritative Parties (APs). Valid8ID is working with BC as the lead Vital Stats Agency in implementing the IIVS and is in discussion with the other Vital Stats agencies to expand this service to cover all birth records across Canada. Valid8ID would like to also add validation based on immigration records to IIVS in order to cover all foundational identity sources.</p> <p>Valid8ID, along with SecureKey, 2Keys/Interac, and Axiell are building a prototype leveraging Verifiable Credentials, the IIVS, and the existing provincial Vital Statistics infrastructure to demonstrate the use of 3 techniques - traditional validation,</p>

	proxy-, and authoritative- issuance of birth certificate verifiable credentials as an interim measure to accelerate the integration of foundational sources at nation scale.
Scope	<p>The prototype will be used to help the SIG participants to focus on the importance of anchoring identities to foundational sources and to begin to identify how existing infrastructure could be leveraged in the immediate term to prepare for the deployment of emerging technologies as they mature over the coming years.</p> <p>The SIG participants will focus on the business processes, legal, and privacy hurdles related to the identity resolution problem, and will:</p> <ul style="list-style-type: none"> • Evaluate the hurdles and benefits of applying the demonstrated techniques to address the identity resolution problem; and • Develop a roadmap for incorporating foundational identity (and its unique identifiers) into the digital identity ecosystem at nation scale.
Tasks	<p>The lead participants will table/circulate background information that has been assembled and the group will be asked to contribute to the following activities:</p> <p>SIG participants will work in the following streams:</p> <p>Work Stream 1: Birth Records as Foundational ID</p> <ul style="list-style-type: none"> • Identity Resolution and Levels of Assurance • Privacy and Legislation • Foundational ID Issuer Business Processes • Unique Identifiers for Contextual IDs <p>Work Stream 2: Impact of Foundational ID on Service Delivery</p> <ul style="list-style-type: none"> • Friction in service delivery • Quality of service indicators, etc. • How to enforce exclusivity across jurisdictions? • Impact of better identity resolution on service delivery? <p>Work Stream 3: Impact of Foundational ID on Fraud</p> <ul style="list-style-type: none"> • Fraud detection/prevention, mitigation of losses, etc. • Impact of better identity resolution on losses? How much can fraud be reduced? <p>Work Stream 4: Roadmap</p> <ul style="list-style-type: none"> • Roll out strategies (including transfer to authoritative party) • Leverage existing infrastructure and resources • Parallel deployment of traditional validation, proxy, and authoritative issuance of birth certificate verifiable credentials • How do we mitigate the rapid pace of technological advances? • What standards need to be defined and/or adopted for Vital Stats?
Time frame	4-5 months from reaching minimum participation