

ID2020

The Good Health Pass Collaborative



About ID2020

The ID2020 Alliance was launched in 2016 to foster multi-sector collaboration toward good digital ID for all. We work to set technical standards for good digital ID, while promoting innovation and interoperability across the digital ID ecosystem.



Our partners share a commitment to the principles and standards for digital ID, but remain technology- and vendor-agnostic.

ID2020 Three Pillars

Alliance partners work together through three pillars:



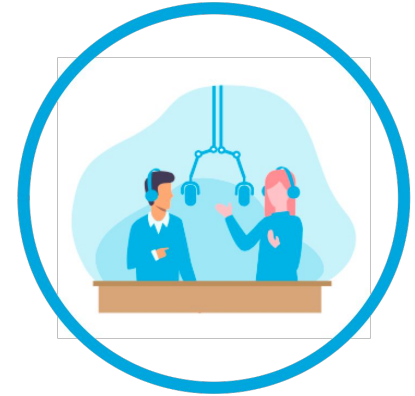
Standards Setting

Through Certification, shape technical market to ensure digital ID solutions are privacy-protecting, user-controlled, and interoperable



Program Design

Implement programs to accelerate uptake of good digital ID and facilitate access to essential services, particularly for vulnerable populations



Advocacy

Build public awareness for and stakeholder engagement on good digital ID through policies, regulations, trust frameworks, and standards

ID2020 Technical Requirements & Certification

Technical requirements are built from the deep expertise of alliance members as well as existing standards and legislation (e.g., ISO/IEC 27000:2018, NIST SP 800-63-3, IDESG, GDPR).

<https://id2020.org/uploads/files/Technical-Requirements.pdf>



Applicability	Identification & Verification	Authentication	Privacy & Control	Attestation & Trust
Interoperability	Recovery & Redress	Management & Security Policies & Procedures	Technical Infrastructure	Suitability of Personnel

Good Health Pass

- **Immunity Certificates: If We Must Have Them, We Must Do It Right** - April 20, 2020
 - <https://ethics.harvard.edu/immunity-certificates>
- **Good Health Pass: A Safe Path to Global Reopening** - *February 22, 2021*
 - <https://www.goodhealthpass.org/wp-content/uploads/2021/02/Good-Health-Pass-Collaborative-Principles-Paper.pdf>
- **Interoperability Blueprint Outline** - March 2, 2021
 - The Key Challenges to Interoperability
 - <https://www.goodhealthpass.org/wp-content/uploads/2021/03/GHPC-Interoperability-Blueprint-Outline-v2.pdf>
- **Trust over IP Drafting Group Kickoff** - March 29 2021

Primary Requirements

Digital health credential systems for international travel must satisfy four primary requirements

 <p>Cross-border</p>	<p>Solutions must work at airports, airlines, ports-of-call, and borders worldwide and comply with international and local regulations.</p>
 <p>Cross-industry</p>	<p>Solutions will require the collaboration of the travel, health, governments, and technology sectors.</p>
 <p>Secure & Privacy-protecting</p>	<p>Solutions must comply with all relevant security, privacy and data protection laws and regulations, must be developed embedding Privacy by Design, and must be able to bind the presenter of the credential to the credential itself at the required level of assurance.</p>
 <p>Frictionless</p>	<p>Solutions must seamlessly integrate into testing and travel processes, thus enhancing and streamlining the experience for individuals and airlines alike. Solutions must not add new material costs for travelers. Optimally, validation processes will be contactless to maintain or enhance hygiene.</p>



Good Health Pass Collaborative Partnership 120+ **GOOD HEALTH PASS**



Good Health Pass Principles

Privacy & Data Security	Must be designed and implemented to enhance privacy, support data minimization and auditability, and be compliant with relevant data privacy regulations.
User Control	Must allow individuals to own and control health and identity credentials. Must provide transparency over how user data is collected, used, and shared.
Choice & Consent	Should be voluntary and consent-based. Those who do wish to use one should have a choice between a range of available solutions and using them on a mobile device, a secure physical form (e.g., a QR code, etc.)
Trust	Must be designed, implemented, and operated to the highest standards for privacy, security, integrity, and transparency. Trust frameworks that govern these relationships are required and should incorporate input from public and private sector stakeholders ,
Inclusivity	Must be designed to equitably serve everyone, including those who may be identity, socially, financially, digitally, or otherwise excluded.
Open Standards	Must adhere to broadly accepted open standards and be built upon open technology to prevent vendor lock-in.
Interoperability	Must interoperable across institutional, sectoral, and geographic boundaries.
Extensibility	Developed for Solutions to address complexities of international travel will be readily adaptable – and extensible – to other use cases for COVID-19
Social Responsibility	These efforts should align with the principles outlined in the UN Global Compact for corporate social responsibility.
Urgency	Standards-development processes typically move slowly, a cross-sector effort is required to bring Solutions to market in 2021 and to scale globally

Interoperability Working Group for



GOOD HEALTH PASS

Drafting Groups host by Trust over IP (ToIP)
& Joint Development Foundation (JDF)

GHPC Drafting Group



Design Principles + Framing Narrative	Consistent User Experience	Paper-Based Credentials	Standard Data Models and Elements	Credential Formats, Signatures, and Exchange Protocols
Security, Privacy, and Data Protection	Trust Registries	Rules Engines	Identity Binding	Trust Framework Recommendations

Solving a multi-year problem in 6 weeks

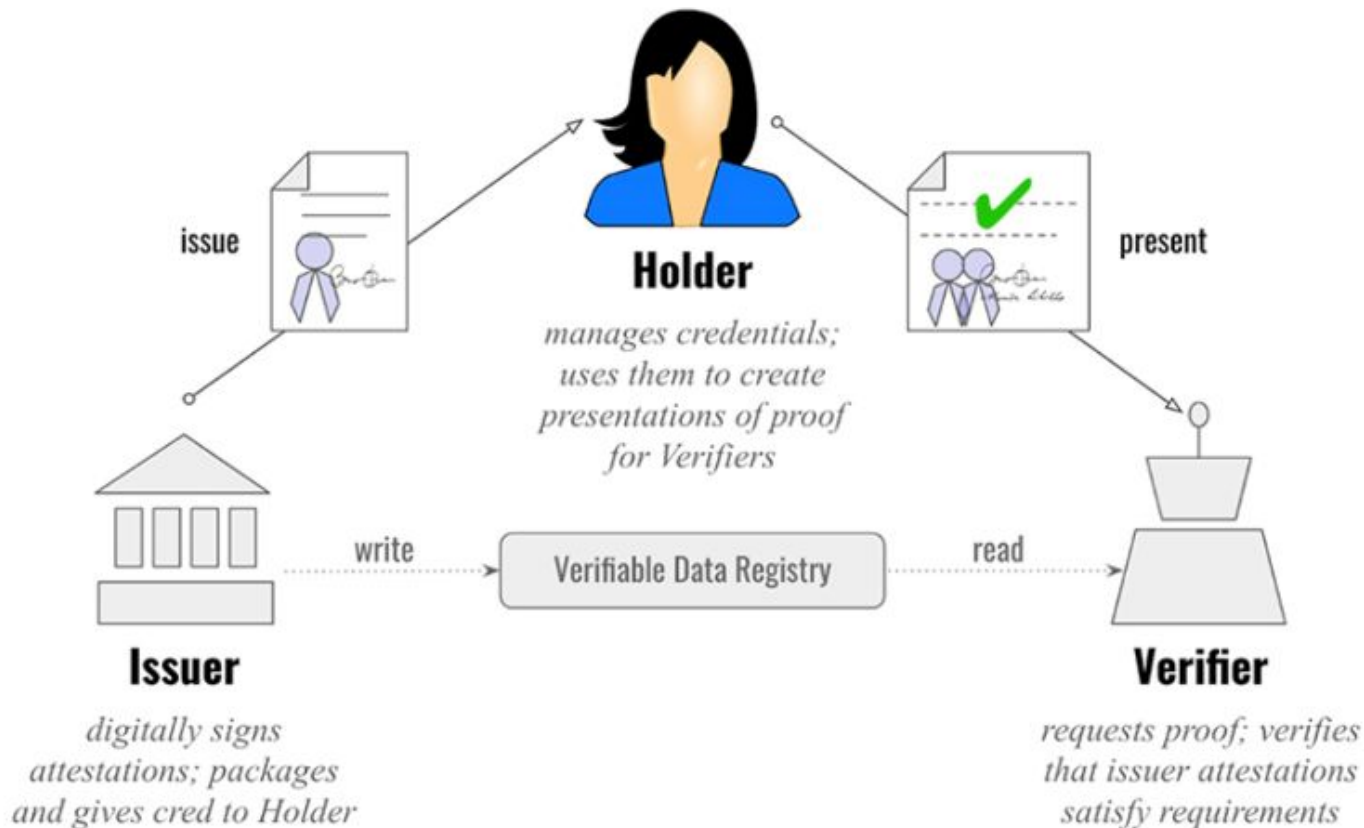
- Drafting groups that are part of a new working group at Trust Over IP
- Phase one: Produce 10 output documents
- Phase two: Combined documents into a final interoperability blueprint

Tentative Timeline & Key Dates

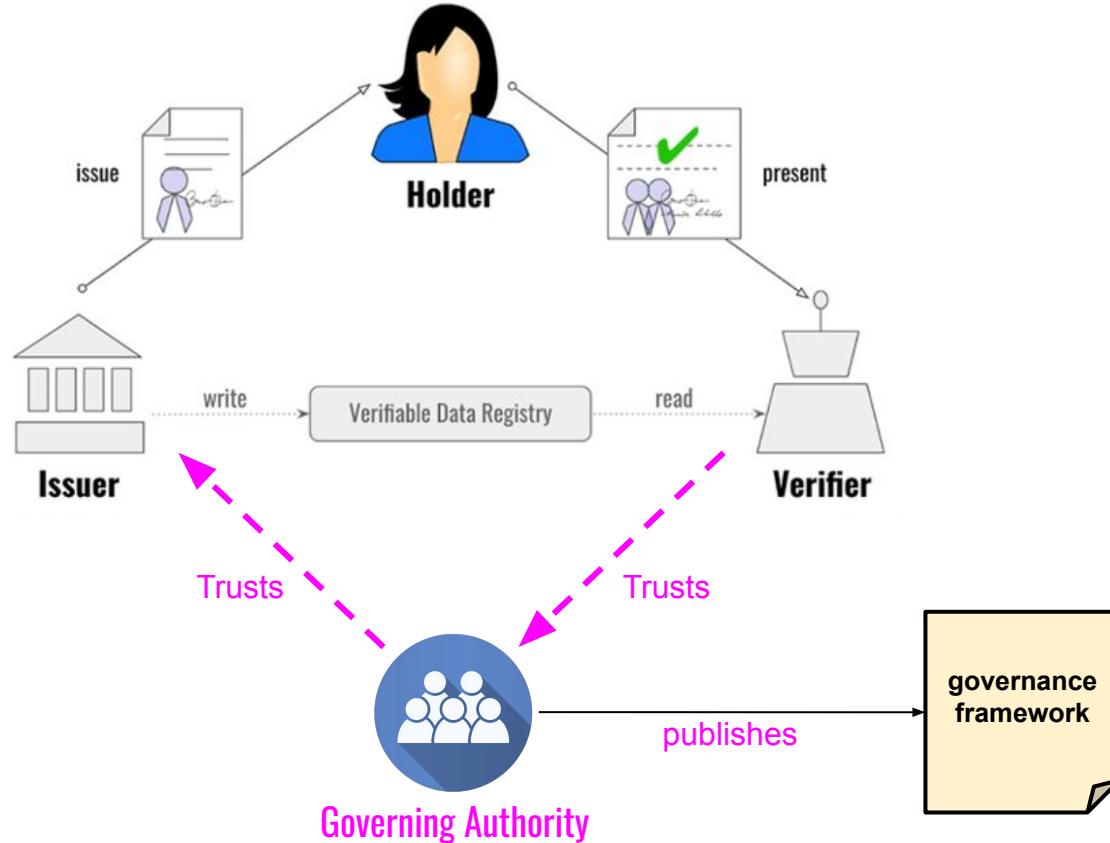


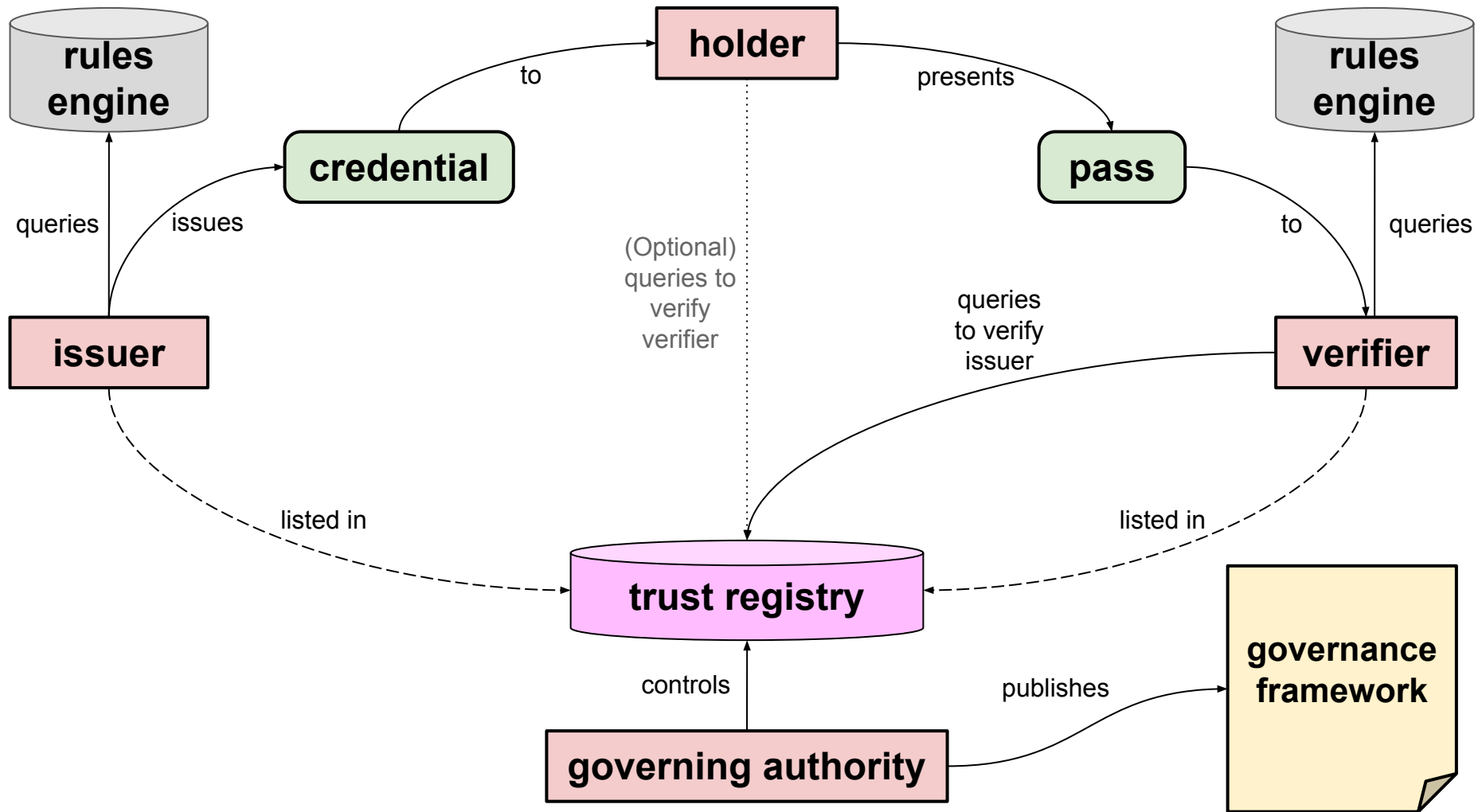
Monday March 29	GHPC Working Group Kick-Off at ToIP <i>Drafting groups to hold first meeting this week</i>
Week of April 5	Drafting Groups Meet + Drafting
Week of April 12	Drafting Groups Meet + Drafting
April 20-22	Internet Identity Workshop <i>Opportunity to present work to date and solicit feedback from community</i>
Week of April 26	Target: Version 1 Drafts Complete
Week of May 3	GHPC Community Comment
Week of May 10	Revisions and Integration
Week of May 17	Public Comment
Week of May 24	Revisions and Integration
Week of May 31	TARGET PUBLICATION

The verifiable credential trust triangle

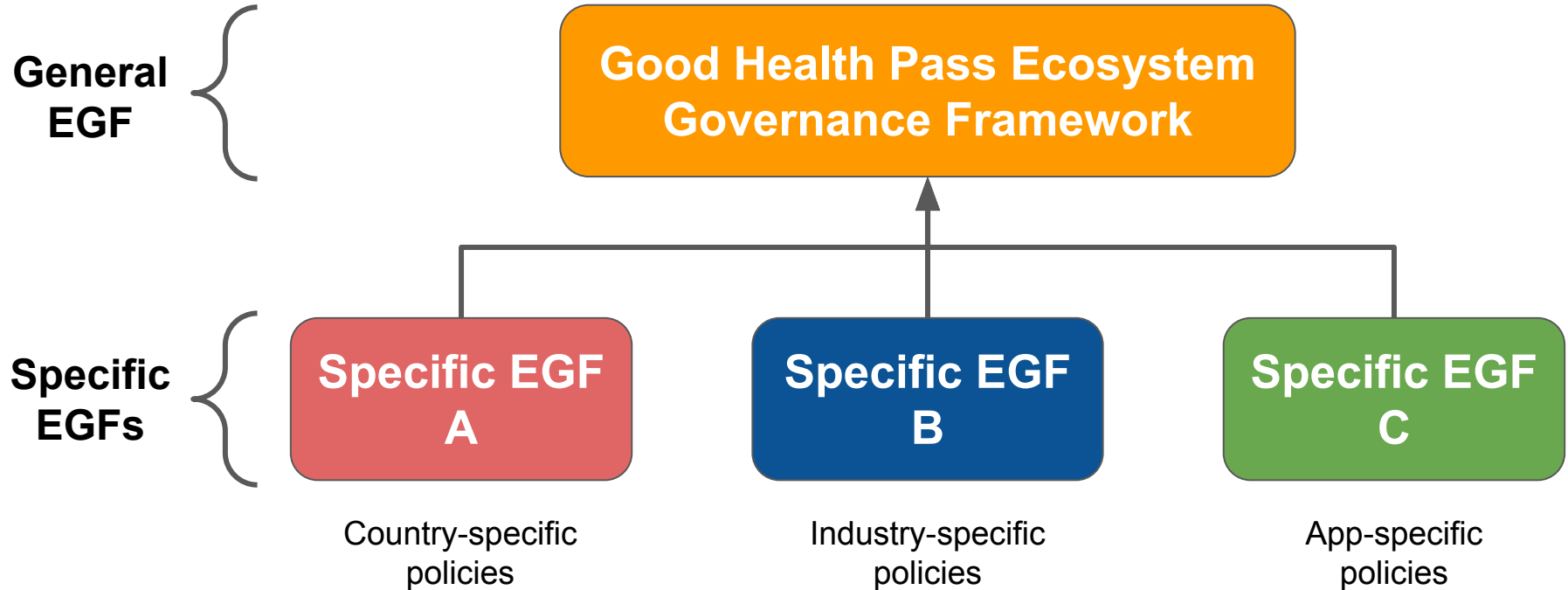


The governance trust diamond





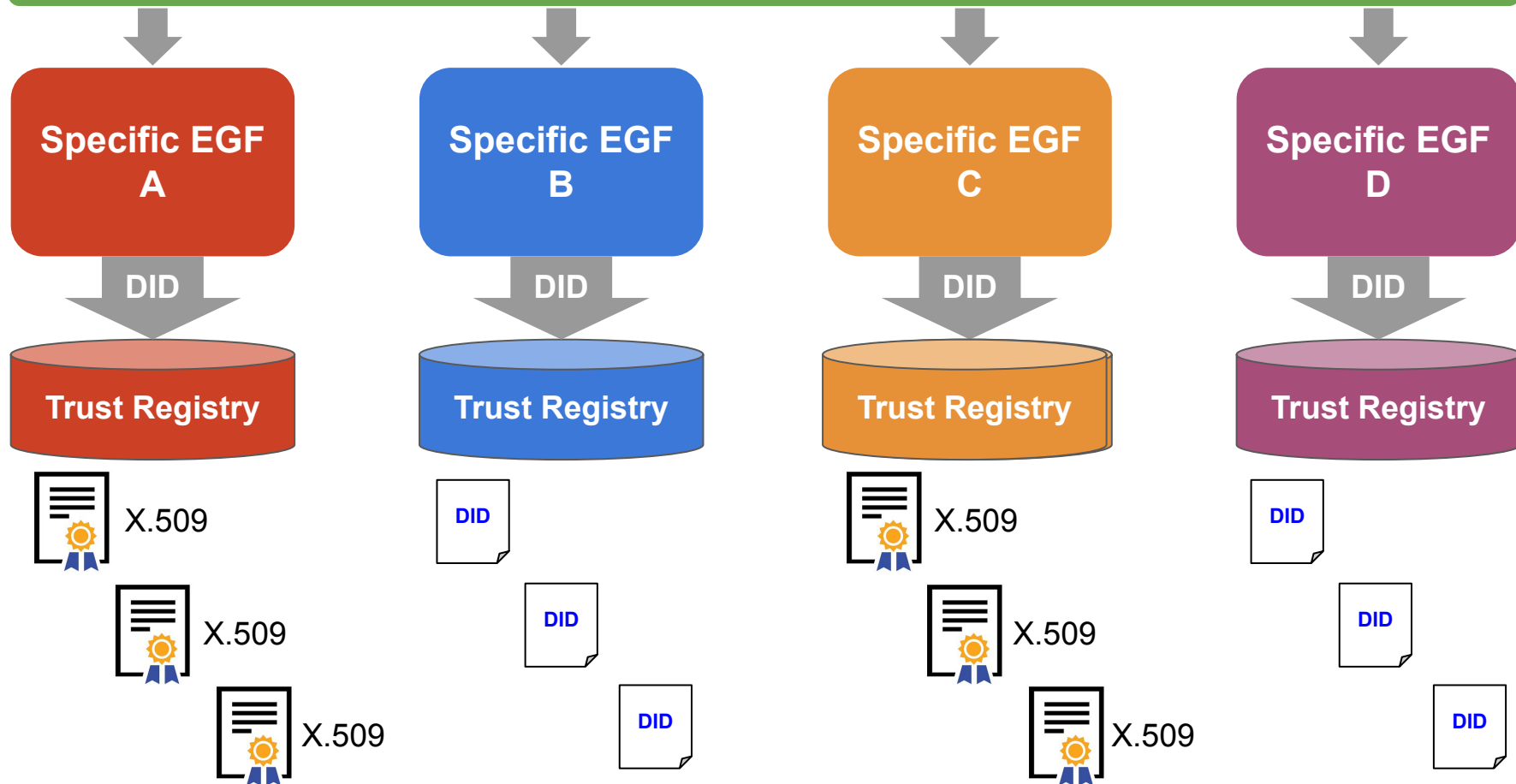
The Ecosystem of Ecosystems Model Ecosystem Governance Framework (EGF)



Examples only!

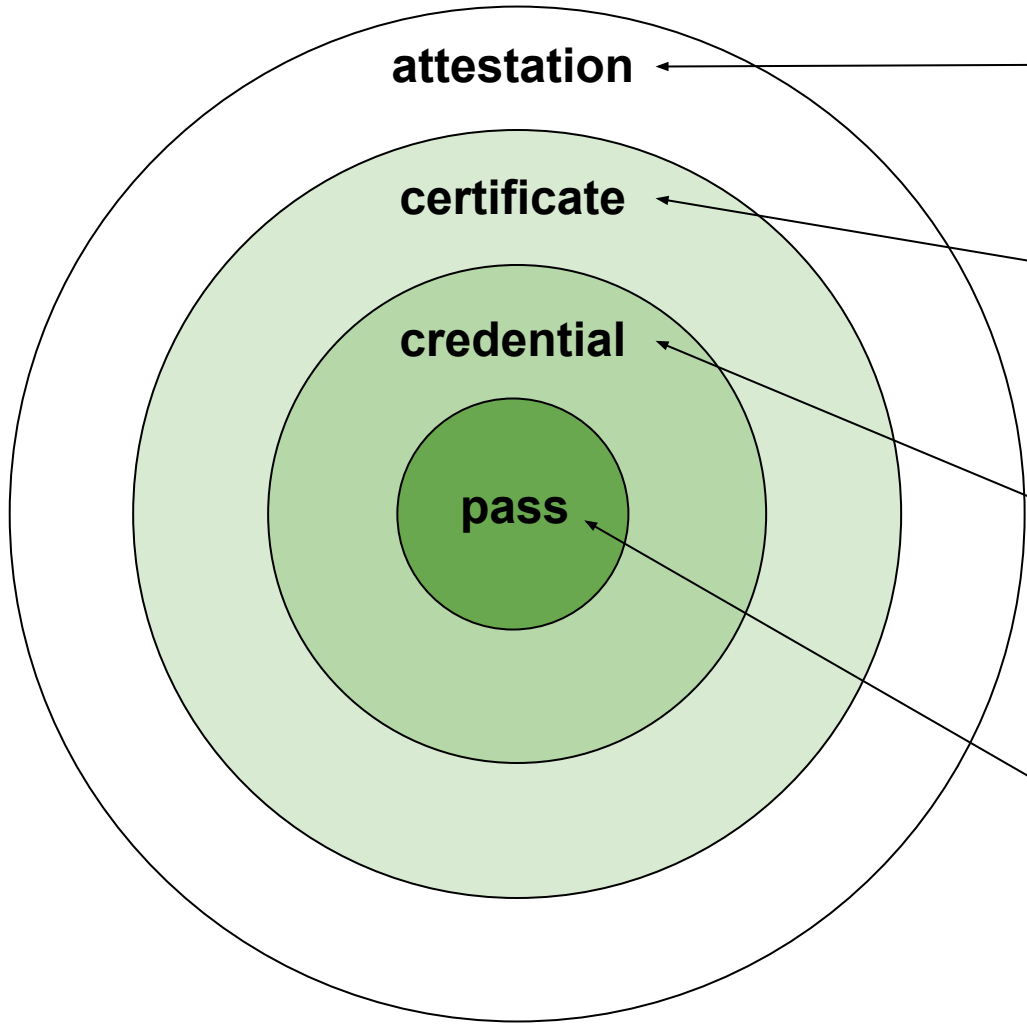
This also enables different ecosystems to use their choice of public key infrastructure (PKI):
X.509 public key directories and/or
W3C decentralized identifiers (DIDs)

Good Health Pass Ecosystem Governance Framework (General)



Steps Following Publication

- The *Good Health Pass Collaborative Interoperability Blueprint V1*
 - Solutions Providers implement Blueprint
- Good Health Pass Ecosystem Governance Framework
 - Public Call for Governing Authorities (At least 3 independent authorities)
 - EFGs attest conformity with the requirements
 - Governing Parties officially adopt the Governance Framework
- Policy Guidance
 - Jurisdictional Policies and Regulations



attestation

attestation: A set of **claims** about a **subject** for which the attester can be held accountable. This includes a **self-attestation**.

certificate

certificate: A set of **claims** about a **subject** by an **issuer** that can be verified in some manner, either manually or automatically. May be either **paper** or **digital**.

credential

credential: a **certificate** issued in a form designed to be easily transported by the holder and easily verified by a **verifier**, especially using machine-readable data and/or cryptographic signatures.

pass

pass: a **credential** to which **data minimization** and **anti-correlation** have been applied so it includes only the data a **verifier** requires to make a **trust decision** in a specific context (such as boarding a plane).