

# 2021-04- 27 - Trust Registries Drafting Group Meeting Notes

<DAY> March <#>

## Attendees

- Co-Leads: [Darrell O'Donnell](#)
- ID2020 PM: Todd Gehrke

### Participants:

- Marie Massery
- Stephan Baur
- RJ Reiser
- Sid Mishra
- Sergo Ceron
- Steven Milstein
- Drummond Reed
- Scott Perry
- Kaliya Young
- Julian Ranger
- Harm Jan Arendshorst

## Agenda Items

Time	Item	Who
2 min	Welcome & Antitrust Policy Notice	Chair
10 min	Introductions	Chair & PM
5 min	Backgrounder	Chair
XY min	Good Health Pass Blueprint Review	TBC
XY min	WHO Registry Guidance	TBC
5 min	Tooling	Chair
3 min	Wrap up	Chair

## Meeting Notes

### Presentations

- [Initial Presentation](#) (Google Slides)

Key Resources:

- [GHPC Blueprint Outline v2](#) - The Trust Registries section is detailed on pages 25-26.
- [WHO SVC Guidance](#)

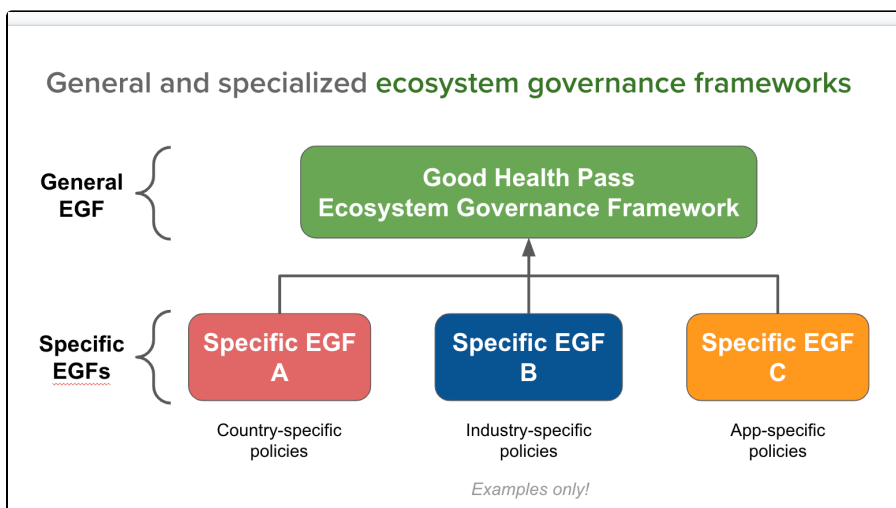
### Recording - [Link](#)

### Notes

1. Welcome and Linux Foundation antitrust policy - <http://www.linuxfoundation.org/antitrust-policy>

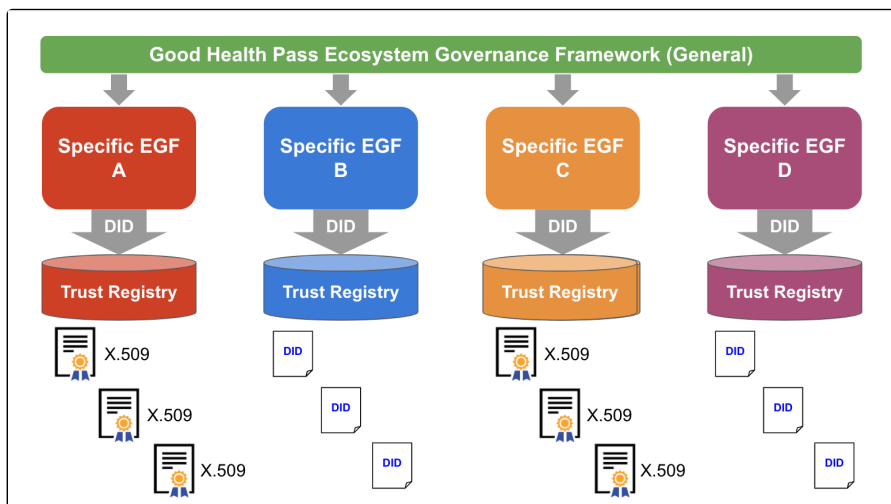
1. Talked about publish subscribe model
2. CDN redistribution

The Good Health Pass digital trust ecosystem will not be governed by a single EGF— rather there will be many



Each VC issued under a specific EGF will identify its issuer's specific EGF and its type with a type of URI

- a DID
- a URI (for X.509 certificates)



The VC specification includes a type property which will be used to indicate the type of credential such as CovidVaccination as CovidTest

## Verifiable Credentials Data Model 1.0

Expressing verifiable information on the Web

W3C Recommendation 19 November 2019

§ 4.3 Types

Software systems that process the kinds of objects specified in this document use type information to determine whether or not a provided [verifiable credential](#) or [verifiable presentation](#) is appropriate. This specification defines a [type property](#) for the expression of type information.

[Verifiable credentials](#) and [verifiable presentations](#) **MUST** have a [type property](#). That is, any [credential](#) or [presentation](#) that does not have [type property](#) is *not verifiable*, so is neither a [verifiable credential](#) nor a [verifiable presentation](#).

**type**

The value of the [type property](#) **MUST** be, or map to (through interpretation of the [@context](#) property), one or more [URIs](#). If more than one [URI](#) is provided, the [URIs](#) **MUST** be interpreted as an unordered set. Syntactic conveniences **SHOULD** be used to ease developer usage. Such conveniences might include JSON-LD terms. It is **RECOMMENDED** that each [URI](#) in the [type](#) be one which, if dereferenced, results in a document containing machine-readable information about the [type](#).

Triple framework:

With this architecture, all we need is a simple trust registry protocol to answer the question:

1. Is this issuer
2. authorized to issue this VC type
3. under this specific EGF?

Verifier resolves the EGF DID using their choice of:

- a. Pre-loaded DID documents
- b. Local cache of DID documents
- c. Verifiable data registry for DID method

In the DID document, the verifier dereferences the trust registry service type to obtain the trust registry service endpoint URI

1. [Darrell] The trust registry could act as a catalog of data from other registries.
2. [Todd] Would this pull a copy of the keys from other registries?
  - a. How would this work if the other registries are not public?
  - b. This bring up verify the verifiers
  - c. Could the TR act as a proxy or resolver to the other registries EGFs

Spec on the API doesn't belong in our document but we need to be able to point to it.

[Scott] We need to address how thing get in and how things get out

[Darrell] Governance will deal with how things get in. we just need to say we do CRUD

Trust registry to trust registry needs to be described - Are we going to proxy?

1. Within GHPC
2. Outside GHPC

**The \$64,000 Question:**

**Who maintains the top-level "trust list" of EGF DIDs?**

- These are the roots of trust in the Good Health Pass digital trust ecosystem
- **Option #1:** Governing entity for the GHP EGF maintains a list. e.g., manual publication of a file on an HTTPS website
- **Option #2:** Cross-registration between EGF root trust registries; each maintains a copy of the current list of DIDs
- Other options?

[Julian]

#### **Action Items**

1. Todd Communicate using the type property to the data model group with a description of how the trust registry plans to use it
2. Document registry to registry approach with risks of off line copies

Pre details pass of the document - Things we agree needs to get documented with links to specifications yet to be developed with the details