

2021-04-26 Standard Data Models and Elements Drafting Group Meeting Notes

Attendees

- Paul Knowles
- Brian Plew
- Rebecca Distler
- Wendy Henry
- Katy
- Sandeep Jain
- David Janes
- Drummond Reed
- John Walker
- Kaliya Young
- Paul Murdock
- Sherill Lavagnino
- Steven Milstein
- Tony Little

Agenda Items

Time	Item	Who
2 min	Welcome & Antitrust Policy Notice	Rebecca
25 min	Passes vs. Credentials	Paul Knowles & Drummond Reed
10 min	Phases (Business Requirements)	Paul Knowles
15 min	Governance Policy Statements	Paul Knowles
5	GHPC Technical Implementation Guide	Paul Knowles
3 min	Wrap up	Chair

Presentations

Recording

Topic: Good Health Pass - Standard Data Models and Elements
Start Time : Apr 26, 2021 11:58 AM

Meeting Recording:

https://zoom.us/rec/share/i_jxVbGXKyBdsvhbb_QbdgZzZ8TikwymUhhDT88DDirHbdH8fi_beKCVznCQP5dS.CNrNCbm-s1KSaSJL

Notes

1. Welcome and Linux Foundation antitrust policy

2. Passes vs. Credentials

- Lightweight, keep as generic as possible
- Last cross reference activity - EU is prescriptive on what they want; both WHO and EU are promoting FHIR as a common data model, can use this as a basis
- If we have something that approaches a "light spec" - basic requirements, this document format is not intended to capture specification - reference from this document (must, may, should from this spec)
- Needs to be some metadata associated with the pass for the next step in the journey and what should that be?
 - Could make recommendations about what
- EU has put forward minimum viable certificate
 - Could be in a hospital database or personal data store
 - Record = persistent object
- Credential carries the data attributes that are needed to be in the holder's possession in order to proceed
- Transient vs. persistent object
- Passes could be cryptographically linked to credentials (verifiable = always cryptographically signed)
 - Can issue pass directly
 - Can issue a digital pass directly (and sign)
 - Can issue a VC which you can use ZKP to produce a pass
- Only way to do this with physical pass (paper) is to issue a booklet (not correlatable, but can't be reused)
- IATA will issue pass (signed by IATA); Julian Ranger / digime
- Number one recommendation is "as little as possible" for a pass - whole point of a pass is contextual; a few other groups may make other recommendations

- Pick our context first and in that, for this context, for these reasons, we recommend the following elements
- Should it have to reference the rules engine? The digital signature would be from the rules engine;
 - Look at rules engine without interacting with verifier - interact within wallet
 - Discover presentation request that is needed, but produced within wallet - never have to share anything other than itinerary in order to learn what the verifier needs to know
- Reference minimal-ish documents already exist - CDC's, Ontario, from all over the world. So you can use those as reference and justification

3. Phases (business requirements)

- Issuers will likely focus on certificates and passes upfront (earlier phases) as opposed to credentials; for bigger issuers, may still take longer
- Accelerated product release for Thermo Fisher 9 months; full record could take a year - in pandemic time, that be reduced to 9 months and 6 months (for credential)

4. Governance Policy Statements

- Establish common semantics for data in a credential vs. a pass
- A spec to say here are defined data fields (+ associated definitions) - based on output of credential formats group, what identifier is being used - should publish JSON-LD context for elements
 - Should add something in JSON (with all the semantic stuff backing it) as that will help us out in paper credentials for compression.
- Most important recommendation(s) from this group are defining the common semantic data elements for any form of a GHP credential or schema
- Could break into a short spec (e.g., vaccine credential) or add all of them together
- Policy statement = GHP-compliant implementation must use these element names
- This group will be mostly about the "musts" - need common semantics for interoperability

5. Wrap-Up

GHPC technical implementation guide

- John and Paul to discuss offline
- Pull request being evaluated for W3C vocabulary - FHIR terms

Sharing with other groups

- Paper creds (by Weds)
- In schema base, need to tag PII (connect with security group?)

Action Items

1. Brian to update phased recommendations
2. Paul to update the credential vs. pass chart
3. Paul & John to discuss implementation guide (e.g., around FHIR)
4. Paul to bring in recommendations on minimization