Blockchain PSIG Call Notes

*30 July 2020*

# Attendees

* Mike Bennett
* Lars Toomre
* Neil Aeschliman
* Rob Nehmer
* Bobbin Teegarden
* Robert Rencher
* Ian Stavros

## Apologies

* Nick Stavros

# Agenda

* Identity, identification and Permissions (credentialing)

# Meeting Notes

## Introductions

### GS1

GS1 identifiers and how they are used

Treatment for semantics / business definitions

Also working on classification e.g. product classification.

(like our earlier notes about substitutability e.g. toilet paper)

GPC = Global Product Classification

Still learning how this relates to ontology, taxonomy etc.

Like to use OMG standards in defining GS1 standards

* Long history between GS1 and OMG

Main Focus: Uniquely identifying objects and being able to convey that identity, and sharing additional information e.g. progress, rich attribute data.

## SSID and Identity / credentials

Disposable ID idea (uses W3C DID)

Decided to start with an RFI

Broader perspectives

General identification of people e.g. Google, Amazon etc.

* Tied in with credentialing
* Web based service access (logins)

e.g. using LinkedIn as an identity provider (credentialing provider)

### Questions

Get Rich Robinson involved – done a lot of work on identification

See also the Stats WG call on identification at granular levels.

RR – Bloomberg e.g. how you know you parties (KYC etc.)

Also UN has an identification thing for disaster relief. Likely further along than what we have here.

We should research the UN thing.

IST/12 – TC68 Securities: Identification of natural persons for trading. HNW Individuals.

Like LEI – covers businesses that enter a financial contract. This is for humans

Would have some RA.

We should probably research things we might not get as RFI responses. E.g. the UN thing; the ISO thing etc.

### Scope of RFI

Identification as well as self-identification? Yes.

Problem space – what makes what we are doing unique.

What we are doing is an RFI.

In order to make sure that any RFP we do IS unique. E.g. Ephemeral SSID RFP (we think that would be unique but we felt we needed to find out more)

## Possible RFI Structure

### Terms:

* Identity versus Identification
* Some DLT terms
	+ SSID / DID versus traditional e.g. Google IDs
* Credentialling v Identification

### Evolution of IDs

* See 16 July note

### Describe the Landscape of IDs

* ISO TC68
* LEI
* Google etc.
* Passport / driving license / National ID
* GS1 – describe the landscape of IDs there
	+ GTIN, GLN

Describe the scope of each of these. E.g. LEI v People IDs.

### Landscape of Credentialling

Logins, versus W3C Credentialling standard (uses DID)

Also explore and include the various existing DID usage scenarios.

## Scope

(put this earlier) – star broad i.e. people, legal entities, things. Places.

Identification of

* People
* Legal entities
* Businesses? (legal entities)
* Things (IoT)

e.g. IOTA Access

 - permissioning for use of Things

 - the vehicle may have an SSID

e.g. could one use a GS1 identifier for a thing to attach certain permissions for that thing.

Trust is a component behind the GS1 IDs and how it is used.

How it works: Each country has an office with an exclusive right to a prefix range. They can license out individual prefixes to companies who can use them to create their wn identifiers.

This is a federated model – so GS1 wouldn’t be the 3rd party issuing the individual identifier, but someone else would be. They would be able to attach permissions to things.

e.g. owner of a location, of a brand etc. the you license your prefix from a gS1 Member Organization and be able to create that ‘Identification Key’ for Entity or the Location (these are both federated in the same way). Need exclusive right to the relevant prefix to be able to issue IDs in that range – for both kinds of ID.

Commitment can be a Context e.g. a delivery commitment. Might (find out in the RFI) be a case for ephemeral IDs for that context – where the context has the Obligor, the Beneficiary, and the Thing (e.g. delivery). And the Where (e.g. FOB). And so on.

### Introduce the Ephemeral idea

Introduce the idea; find out if this is something people either

* See a need for
* Have a way of doing already

i.e. identify if there really is a gap in the market for that standard (RFP)

Include this because it is explicitly contextual.

Credentialling – the act of doing that is itself contextual (e.g. buying a drink, renting a car)

Make use of the formal definitions of Context again.

Ephemeral SSID is contextual

Short-cut we used in GovDTF – use the Ws.

Can use that same short cut for Ephemeral SSID treatments.

e.g. context = road traffic accident

Who What When etc. are all pretty obvious there.

In terms of the RFI – frame the general notion of Context for the Contextual / Ephemera SSID idea

For the RFP / RFP Responses – maybe ask for a more formal treatment of Context or suggest one that we will have developed by then.

Becomes the ‘Context OF’ the use of this credential.

### Discussion / Questions

Explore possible usage scenarios (and how they are supported by what standard).

What makes this unique? Where This = proposed RFP.

Where are the gaps?

How about GDPR compliance.

## Conclusion

We have a basic structure

We know what to put in there

Audience – see 16 July session (broader given today’s ideas)

Some of the stuff we need to find out for ourselves

### Next Steps

Write a draft

Review that in 2 weeks.