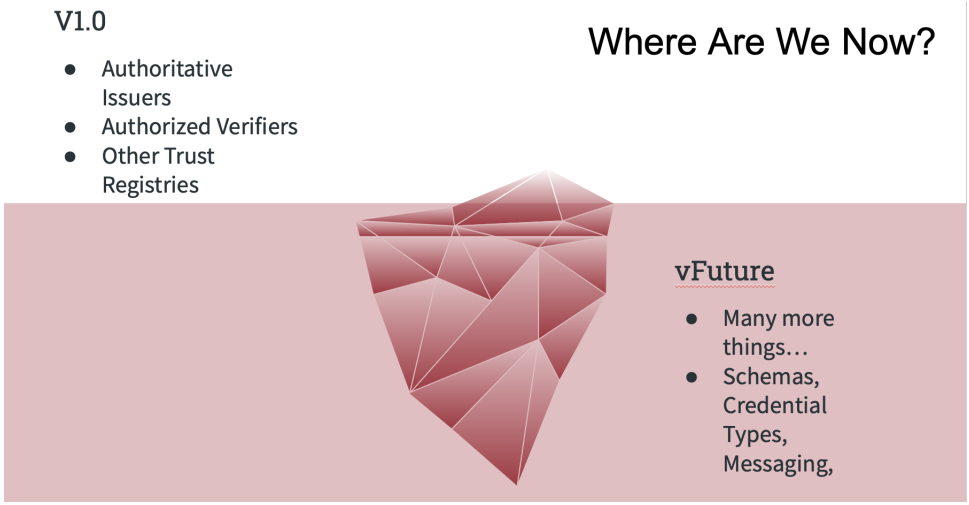
Trust Registry Protocol v2 - Loose Capture

Christine Martin we will capture high-level requirements and tasks here.

The v1 protocol provides answers for three main questions

- Is this Issuer Authoritative to issue a particular credential type under a governance framework.
- Is a Verifier Authorized to request a presentation under a governance framework.
- Does the answering Trust Registry acknowledge another Trust Registry under a governance framework.

The analogy we have been using about the v1.0 protocol is that it handles the simplest (but powerful) questions - it is the tip of the iceberg.



Key Areas to Consider for v2:

- **Trust Registry Metadata** - what data are needed by systems to understand a Trust Registry
- **Centralized / Decentralized** - what does this question even mean?
- Credential Information/Metadata -
  - Credential Names - how do we name these things?
  - Credential Types - JWT, JSON-LD, AnonCreds, SD-JWT, etc.
    - There are numerous flavours of VCs and much debate. This is a problem that Trust Registries can help. They can provide answers where there aren't any in the "we are compliant with W3C Verifiable Credentials" statement.
    - The use of Credential Types in Trust Registries will answer the question of "what credential format are ACTUALLY used?"
  - Schema Definitions - provide the data or a pointer to the data (e.g. on ledger)
  - Credential Definitions if required (AnonCreds requires) - provide the data or a pointer to the data
- Proof/Presentation Metadata
  - What proof/presentation requests are supported and by whom can they be made? e.g. the overused driver license - who can request the full DL, versus an "age of majority" ZKP or some selective disclosure profile.
  - What should be done for inappropriate requests - should they be reported?
- DID Metadata
  - What DID Methods are supported
  - What other expectations are at play (e.g. must support `did:method:identifier:GetCapabilities` or something similar.
- Wallet Metadata
  - What wallets are approved (and how) in the ecosystem
- Holder Metadata
  - A
- Other technical things
  - Key Bindings
  - DIDAuth - is DIDAuth (its real-world implementations)
  - Service Discovery -

BACKGROUNDERS:

- Trust Continuum - Scott Perry's - Trust Decision...
- Trust Assurance Companion - https://trustoverip.org/wp-content/uploads/ToIP-Trust-Assurance-Companion-Guide-V1.0-2021-10-19.pdf
- Trust Assurance & Cerfification - https://trustoverip.org/wp-content/uploads/ToIP-Trust-Assurance-and-Certification-Controlled-Document-Template-V1.0-2021-10-19.pdf

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- Antti - connection is underlying

- TRs help create context for connection (and more)