**Dock.io Proof of Concept – Scoping Document**

1. Context

Trustd is a digital business verification and identity management tool that gives businesses and individuals the ability to maintain and share business and personal data on a granular and permissioned basis. Much of the data that forms a Trustd profile is sourced from a trusted third party, or the issuer of that data themselves. However, Trustd currently operates a traditional model of interaction between the holder of this information, and parties that request this information in order to verify it. As part of a proof of concept, Trustd would like to explore the SSI model of interaction between an Issuer, Holder and Verifier of Verfiable Credentials to further streamline identity interactions and transactions within the Transport and Logistics industry.

1. Scope

This proof-of-concept will use the Dock.io platform for the issuance of a Verifiable Credential, the acceptance of that Verifiable Credential in the Dock.io wallet app, and the verification of this Verifiable Credential by a third party verifier. The use case we will be targeting is the issuance of a Vehicle Insurance Certificate to a holder by an insurer, and a verification request of this insurance by a third party. The Verifier will also be able to verify a credential belonging to the Issuer. The high level sequence of interactions is as follows:

1. A business becomes ‘Trustd Verified’ and Trustd issues a ‘Trustd Verified Issuer’ verifiable credential to the Issuer.
2. The issuer accesses a search page where they can search for a Trustd verified user to Issue a Verifiable Credential to.
3. The Issuer selects the entity returned at the top of the search results and actions the command to “Issue” a credential.
   1. Note that the grid containing entities returned should also contain the ability to Revoke a previously issued credential.
4. The issuer populates the metadata for the credential and uploads the original pdf document.
5. The issuer can then either input the DID manually, or request a DID share (we would like to prove both solutions)
6. The DID is then populated, either manually or through a DID share from the holder, and the Issuer issues the credential
7. The Holder accepts the credential in their Dock mobile wallet
8. A verifier then accesses a separate view where they can verify the credentials of a list of entities that appear in their carrier list
9. The verifier actions the “Verify” command which sends a verification request to the holder
10. The holder accepts the verification request and the VC is presented to the verifier, including document link
11. Critically, the Verifier is also given the ability to verify the Issuer’s ‘Trustd Verified Issuer’ credential which was issued by Trustd at the very beginning.

The VC Schema is as follows:

1. Credential name
2. Credential ID
3. Issuer
4. Issuer DID
5. Certificate link
6. Issuance Date
7. Insurance Effective Date
8. Insurance Expiry Date
9. Holder DID
10. Covers carriage of goods for Hire and Reward
11. Link to wireframes/prototype:

Frames:

<https://www.figma.com/file/YJs2bOUfqFeGdd9VeXebe8/Dock.io-POC-1-Frames?type=design&node-id=0%3A1&mode=design&t=gbuApUTFZK1i0pq0-1>

Password: dockpoc2024!

Miro Flow

<https://miro.com/app/board/uXjVNC0bHRE=/?share_link_id=76004635721>

Password: dockpoc2024!