

DID Methods WG Meeting

4th December 2024

Agenda

- Welcome and Introductions

- Logistics

 - CONTRIBUTING.md

 - Code of Conduct

- Review of Working Group Mission & Goals

- WG item: Call for chairs

- WG item: Deciding categories/criteria for DID method selection.



DIF

... in collaboration with ToIP, W3C CCG, INATBA

Code of Conduct

- <https://github.com/decentralized-identity/org/blob/main/code-of-conduct.md>
- Open, Inclusive & Diverse
- Welcoming, Empathetic & Thoughtful
- Collaborative, Inquisitive & Concise

Deciding categories/criteria for DID method selection.

- [DID Methods WG Charter](#)

“Identify and document criteria for selection of an initial set of **DID methods of strategic importance**. This could include selection of useful and/or promising methods from among **web-based**, **ephemeral**, and **decentralized DID methods**.”

- [DID Methods WG Operating Addendum](#)

Alignment with DID Core specification

Interoperability with other DID methods

Security and privacy features

Scalability and performance

Ease of implementation and use

Community adoption and support

Compliance with relevant regulations and best practices

Diversity of the set of selected methods

Deciding categories/criteria for DID method selection.

- Suggestions by Manu Sporny on W3C CCG list and Github issue:
<https://lists.w3.org/Archives/Public/public-credentials/2024Nov/0036.html>
<https://github.com/decentralized-identity/did-methods/issues/10#issuecomment-2500822445>
 - "At least one ephemeral DID Method"
 - "At least one web-based DID Method"
 - "At least one fully decentralized DID Method"
 - "Global government-approved crypto"
 - "Privacy-preserving crypto"
 - "Digitally signed cryptographic log of changes to the DID Document"
 - "multi-factor binding to DNS"
 - "specification with multiple implementers"

Deciding categories/criteria for DID method selection.

- Suggestions by Michael Herman on Github issues:
https://github.com/decentralized-identity/did-methods/issues/created_by/mwherman2000
Scope/domain of the types of entities/subjects addressed/named by a particular method
Estimated size of each scope/domain
Estimate of the daily transaction volume of each scope/domain
DID Methods that serve the needs of a particular company or government

Deciding categories/criteria for DID method selection.

- Suggestions by @Olvisgil (Oleg Tsarev) on Github issue:
<https://github.com/decentralized-identity/did-methods/issues/10#issuecomment-2502200974>

Governance

Usability

Sustainability

Economic Feasibility

Legal Recognition

Revocation and Recovery

Emerging Markets

Deciding categories/criteria for DID method selection.

- Adrian Gropper on CCG mailing list:
<https://lists.w3.org/Archives/Public/public-credentials/2024Nov/0061.html>
“Addresses the role of biometrics relative to DIDs as a primary or foundational concern.”
- Steven Capell on CCG mailing list:
<https://lists.w3.org/Archives/Public/public-credentials/2024Nov/0046.html>
“Long lived VCs need long lived DIDs”

Deciding categories/criteria for DID method selection.

- DID Traits (work item at DIF ID WG)
<https://identity.foundation/did-traits/>

Updateable

Updateable Service Endpoints

Deactivatable

Deletable

Explicit Fees

Self-Certifying

Rotatable Verification Methods

Pre-rotation of Keys

Multi-Signature Verification Method

Human-readable

Enumerable

Locally Resolvable

Globally Resolvable

DID Document History

Cryptographically signed DID Document History

Not Hosted

Centrally Hosted

Decentrally Hosted

Privacy Preserving Cryptography

Government-approved Cryptography

GDPR-compliant

Deciding categories/criteria for DID method selection.

- DID Rubric (Group note published by W3C DID WG)
<https://www.w3.org/TR/did-rubric/>

- Many criteria grouped in categories:

Rulemaking

Design

Operation

Enforcement

Alternatives

Adoption

Security

Privacy

Others

Important meta criteria?

Which DID method WANTS to be standardized?

Are there volunteers to do the work?

Diversity of selected methods?

Trademark check?