

2023-04-26 TSWG Meeting Notes

Meeting Date

- 26 Apr 2023 The TSWG holds plenary meetings once every four weeks on **Wednesdays**. The 2023 meeting dates are Jan 4, Feb 1, Mar 1, Mar 29, Apr 26, May 24, Jun 21, Jul 19, Aug 16, Sep 13, Oct 11, Nov 8, Dec 6.
- Two meetings are held each Wednesday to accommodate global time zones:
 - **NA/EU Meeting: 08:00-09:00 PT / 16:00-17:00 UTC**
 - **APAC Meeting: 18:00-19:00 PT / 02:00-03:00 UTC**
- See the [ToIP Calendar](#) for all meeting dates, times and logistics, including Zoom links.

Zoom Meeting Recordings

- NA/EU: https://zoom.us/rec/share/7fBKCx0HP0_qiRSTOUmdqP6XniDj2yNpza7YeqqYx5urFY41PfwntK7MSr3rf18.XqMTZ728ZNeCtyJb
- APAC: <https://zoom.us/rec/share/zWVs-5IYAH9Nn3fyUk3cQsw5juV6QxR5yZtvlFCmNkEZGPL3B5rNdA8LfCDId8xp.rQGkpkKQQB1cDZKV>

Attendees

NA/EU:

- [Darrell O'Donnell](#)
- [Drummond Reed](#)
- [Daniel Bachenheimer](#)
- [Tim Bouma](#)
- [Neil Thomson](#)
- [Mathieu Glaude](#)
- [Matteo Midenia](#)

APAC:

- [Darrell O'Donnell](#)
- [Daniel Bachenheimer](#)
- [Jo Spencer](#)
- [Eric Drury](#)
- [Dima Postnikov](#)
- ...

Agenda Items and Notes (including all relevant links)

Time	Agenda Item	Lead	Notes
3 min	<ul style="list-style-type: none">• Start recording• Welcome & antitrust notice• Introduction of new members• Agenda review	Chairs	<ul style="list-style-type: none">• Antitrust Policy Notice: <i>Attendees are reminded to adhere to the meeting agenda and not participate in activities prohibited under antitrust and competition laws. Only members of ToIP who have signed the necessary agreements are permitted to participate in this activity beyond an observer role.</i>• New Members: None.

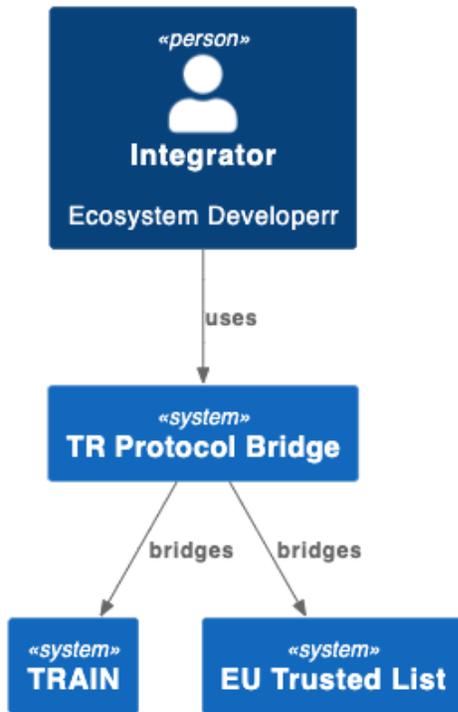
15 min	General announcements	All	<p>Updates from TSWG members of general interest to the group.</p> <ul style="list-style-type: none"> • Highlights of particular interest from Internet Identity Workshop #36 last week in Mountain View, CA. • Mathieu <ul style="list-style-type: none"> ◦ OID4VC has received a lot of attention and momentum. EU mention. OIDC realm is pushing it. <ul style="list-style-type: none"> ▪ ToIP should be considering how OID4VC fits into the ToIP model(s). ◦ Digital Trust in Age of AI - ChatGPT, deepfakes... ◦ SPAC - security, privacy, authenticity and privacy - Sam Smith did daily sessions. ◦ Trust Registries - lots of sessions ◦ KERI popular • Phil F <ul style="list-style-type: none"> ◦ AI - Eric Coalition for Content Provenance and Authenticity - signing content of different media types. Existing tech (X.509) <ul style="list-style-type: none"> ▪ https://c2pa.org (LF/JDF project) - Adobe, Intel, BBC, MS, Sony, etc. ▪ https://helpx.adobe.com/photoshop/using/content-credentials.html ▪ https://github.com/c2pa-org/specifications <p>Eric: Raised "frankly" app is showing the path. https://www.frankliapp.com/</p> <ul style="list-style-type: none"> ◦ aside - TimB "that's the big emerging theme protocols having signed ... events/content/messages/credential/etc." <ul style="list-style-type: none"> ▪ "We are having our pre-TCP/IP moment..." ◦ aside - McCown - Red Teaming Digital Identities (Tiffany Mahoney - AFRL) <ul style="list-style-type: none"> ▪ Rec govt DO NOT use OPTIONAL... increases surface attack area - libraries are inconsistent. ▪ https://docs.google.com/presentation/d/1fuxW7-IH2Vdohr86PGTYEvjqK-7bwcQk8ls9eDXRiWA/edit#slide=id.g232dcea63e1_2_55 ◦ KERI IPR - Kaliya raised a session as KERI was at DIF, left DIF, and now is in its own community. <ul style="list-style-type: none"> ▪ BDFL Apache 2 but repository is on its own. • Dima: <ul style="list-style-type: none"> ◦ Trust Registries - EU (problem to solve - digital wallets); Lucy (UN regitrust); GAIN - islands of trust ◦ Stack is complicated ◦ OI - organizational identity
2 min	Review of action items from the previous meeting	Chairs	<ul style="list-style-type: none"> ☑ ACTION: Drummond Reed to start a thread in the TATF Github Discussions to begin discussion of this Google Slides deck for developing a third-generation version of the conceptual diagram of the ToIP stack that will be consistent with the ToIP Technology Architecture Specification V1.0. ☑ ACTION: ALL TSWG MEMBERS — please contribute your suggestions for the third-generation conceptual diagram of the ToIP stack to this Google Slides deck.
25 min	Task Force Reports	TF Leads	<p>Technology Architecture TF — Wenjing Chu Drummond Reed</p> <ul style="list-style-type: none"> • Work continues on the ToIP Glossary Workspace — it is now probably 85% complete. Drummond's contributions will taper off the month of May due to the spring conference season, so full completion may need to wait until June. But there will be a Terminology Workshop in the Trust Spanning Protocol TF on May 3 (see below). • Good feedback on TAS requirements is coming from the Trust Spanning Protocol TF. That process is also likely to continue into June. • Work continues on developing a third-generation conceptual ToIP stack diagram. • Tooling (github) being worked on. <p>Trust Registry TF — Andor Kesselman Antti Kettunen Darrell O'Donnell</p> <ul style="list-style-type: none"> • EU comparisons <ul style="list-style-type: none"> ◦ EUDI ARF - https://www.intesigroup.com/en/wp-content/uploads/sites/4/2023/02/ARF_v100_for_publication_SqMV8FwSeE3xg7teicYY4hFDY_93678.pdf ◦ TRAIN (TRust mAnagement INfrastructure) is here: https://essif-lab.eu/essif-train-by-fraunhofer-gesellschaft/ ◦ ACTION: Open Banking registries (jurisdiction by jurisdiction) - good Trust Registry examples that are operational. ◦ ACTION: OpenID Federation Spec - similar goals. Dima Postnikov will look at. <p>Trust Spanning Protocol TF — Drummond Reed Wenjing Chu Samuel Smith (Daniel Hardman Emeritus)</p> <ul style="list-style-type: none"> • Daniel Hardman will be stepping back to Emeritus status due to his workload. • Two TSP Workshops have been held, both very productive in driving towards key design decisions. • A third TSP Workshop is planned for Thursday May 4. • Oskar van Deventer and TNO have offered to host a Terminology Design Workshop for the TSPTF during our NA/EU meeting time on May 3. This should be an excellent lesson in developing/refining the terminology we need. <p>ACDC TF — Samuel Smith Phil Fearheller</p> <ul style="list-style-type: none"> • no update - IIW-ismation dominated. <p>AI & Metaverse (AIM) Technology TF — Wenjing Chu Vikas Malhotra</p> <ul style="list-style-type: none"> • Identity is dominating aspect <ul style="list-style-type: none"> ◦ Avatar behaviour over time is a giveaway (recognizable) - ◦ Dan "biometrics" Bachenheimer - how do we meet the needs (e.g. age limits, financial txns) (have/are/know) ◦ ACTION: Dan to schedule some time about how the biometrics world is looking at this. Binding is critical - but being prescriptive/descriptive <ul style="list-style-type: none"> ▪ LoA - EUDI "high" 2+ of 3 factors (have/are/know)

1 0 m in	New proposed Credential Exchange Protocol Comparison Task Force	Mathieu Glaude	<p>Mathieu will present his proposed charter for this task force to produce a comparison guide to existing protocols for exchange of verifiable credentials. Credential Exchange Protocol Comparison Task Force</p> <ul style="list-style-type: none"> • decision matrix - answering "what's the best?" - for what? • Kudra, Torsten and Paul Bastian etc.- did similar work on credential comparisons formats in Rebooting the Web of Trust (11) - https://github.com/WebOfTrustInfo/rwot11-the-hague/blob/master/draft-documents/credential-profile-comparison.md • Aries, OID4VC, ISO 18013-5, and VC API communities are interested. • Assuming Approval: <ul style="list-style-type: none"> ◦ ACTION: Mathieu Glaude to coordinate meeting times - considering existing meetings (including DIF perhaps). Michelle can assist here including getting a "join ToIP" link for email. ◦ ACTION: BLOG (by Friday, 2023-04-28) to get it out before EIC if desired. ◦ ACTION: Daniel Bacheneheimer will see if he can share internal (Accenture) analysis that is similar. • input from Tim - Standard Council of Canada Digital Credentials https://www.scc.ca/en/flagship/digital-credentials particularly for conformity. • APAC - https://www.lfph.io/wp-content/uploads/2021/02/Verifiable-Credentials-Flavors-Explained.pdf <ul style="list-style-type: none"> ◦ Kaliya led this. <p>From TAS Efforts - early draft:</p>
5 m in	<ul style="list-style-type: none"> • Review decisions /action items • Planning for next meeting 	Chairs	

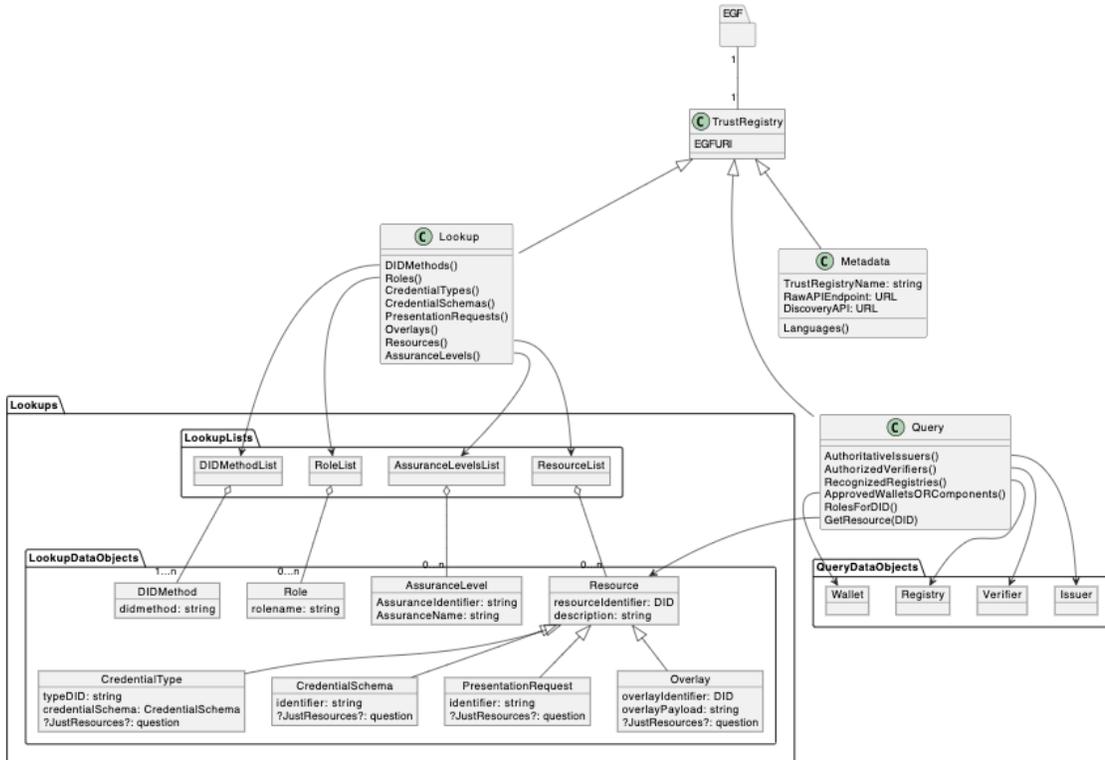
Screenshots/Diagrams (numbered for reference in notes above)

#1

System Context diagram for Trust Registry and the Trust Registry Protocol



Trust Over IP Trust Registry Protocol v2 Early Exploration



Decisions

- None

Action Items

- ACTION: [Drummond Reed](#) to update TAS page (15APR2023 date mentioned)
- ACTION: [Daniel Bachenheimer](#) to schedule some time about how the biometrics world is looking at this.
- ACTION: [Mathieu Glaude](#) to coordinate meeting times - considering existing meetings (including DIF perhaps). Michelle can assist here including getting a "join ToIP" link for email.
- ACTION: [Mathieu Glaude](#) BLOG (by Friday, 2023-04-28) to get it out before EIC if desired.
- ACTION: [Daniel Bachenheimer](#) will see if he can share internal (Accenture) analysis that is similar.
- ACTION: [Darrell O'Donnell](#) Open Banking registries (jurisdiction by jurisdiction) - good Trust Registry examples that are operational.
- ACTION: [Darrell O'Donnell](#) OpenID Federation Spec - similar goals.
- ACTION: Open Banking registries (jurisdiction by jurisdiction) - good Trust Registry examples that are operational.
- ACTION: OpenID Federation Spec - similar goals.