

# 2023-03-01 TSWG Meeting Notes

## Meeting Date

- 01 Mar 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/Ok0E4shFLWWhaXvhUNOIpsC4piBz3fF6jDBI-nKoqUUWkpO5EkB7b5W6PJSC-Z4Q.-QSNkmyxEeERXoxA>
- APAC: [https://zoom.us/rec/share/r-U7JmFqYfGCtnSJXSwnfb-eUyL3V4l0sABjyvU8W\\_ShWNsvXOM9wHYnIvMHDW1g.X4yEIsstCzmVpBDc](https://zoom.us/rec/share/r-U7JmFqYfGCtnSJXSwnfb-eUyL3V4l0sABjyvU8W_ShWNsvXOM9wHYnIvMHDW1g.X4yEIsstCzmVpBDc)

(These links will be replaced with links to the recording of the meetings as soon as they are available)

## Attendees

NA/EU:

- [Darrell O'Donnell](#)
- [Drummond Reed](#)
- [Wenjing Chu](#)
- [Daniel Bachenheimer](#)
- [Antti Kettunen](#)
- [Neil Thomson](#)
- [Christine Martin](#)
- [Sumabala Nair](#)
- [Markus Sabadello](#)
- [Mathieu Glaude](#)
- [Phil Fearheller](#)
- [Samuel Smith](#)
- [Savita Farooqui](#)
- [Steven Milstein](#)
- [Subhasis Ojha](#)
- [Viky Manaila](#)

APAC:

- [Darrell O'Donnell](#)
- [Drummond Reed](#)
- [Jo Spencer](#)
- [sankarshan](#)
- [Dima Postnikov](#)

## Agenda Items and Notes (including all relevant links)

Time	Agenda Item	Lead	Notes
3 min	<ul style="list-style-type: none"><li>• Start recording</li><li>• Welcome &amp; anti-trust notice</li><li>• Introduction of new members</li><li>• Agenda review</li></ul>	Chairs	<ul style="list-style-type: none"><li>• <b>Antitrust Policy Notice:</b> <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></li><li>• New Members: None.</li></ul>

10min	General announcements	All	<p>Updates from TSWG members of general interest to the group.</p> <ul style="list-style-type: none"> <li>• <b>Special announcement of a webinar tomorrow highly relevant to the TSWG:</b> <a href="#">Demystifying the EUDI Wallet Architecture Reference Framework</a> (ARF). It runs tomorrow (Thursday 2 March) from 6-7:30AM PT / 15:00-16:30 CET. ToIP members <a href="#">Viky Manaila</a> and Andy Tobin (Gen) are two of the three speakers; ARF architect Peter Altmann from Sweden is the third. If you want to understand the ARF, come to this webinar. See screenshot #1 below.</li> <li>• <a href="#">Jo Spencer</a> mentioned that <a href="#">APAC Digital ID unconference</a> (inspired by IIW) is happening in Bangkok. <a href="#">Eric Drury</a> is there now.</li> <li>• <a href="#">sankarshan</a>: Links for later (don't want to derail the conversation): [1] A new report around language on usability, accessibility, trustworthiness of digital platforms <a href="#">www.arewetogether.com</a> [2] UIDAI has recently announced that a new AI/ML approach has been deployed to manage the concerns around biometrics/fingerprint spoofing. No additional technical details are available at the moment <a href="https://economictimes.indiatimes.com/news/india/uidai-rolls-out-new-security-mechanism-for-robust-fingerprint-based-aadhaar-authentication/articleshow/98291146.cms">https://economictimes.indiatimes.com/news/india/uidai-rolls-out-new-security-mechanism-for-robust-fingerprint-based-aadhaar-authentication/articleshow/98291146.cms</a></li> </ul>
2min	Review of action items from the previous meeting	Chairs	<ul style="list-style-type: none"> <li>✓ ACTION: Darrell O'Donnell will remind the AI &amp; Metaverse TF to provide an update at the TSWG Plenary meetings.</li> <li>✓ ACTION: Judith to update the ToIP Calendar to replace Technology Architecture TF meeting with Trust Spanning Protocol TF meeting.</li> <li>✓ ACTION: Drummond Reed to email the Technology Stack WG members about the change in meeting schedules.</li> </ul>

20min	Task Force Reports	TF Leads	<p><a href="#">Technology Architecture TF</a> — <a href="#">Wenjing Chu</a> <a href="#">Drummond Reed</a></p> <ul style="list-style-type: none"> <li>Progress has all been in the background.</li> <li>Proposed goal would be to publish public review draft #2 by IIW (April 18-20)</li> <li>We may want to hold off on finalizing until any final feedback on requirements is received from Trust Registry TF or Trust Spanning Protocol TF.</li> <li>The three primary remaining tasks are:             <ol style="list-style-type: none"> <li>Glossary — Drummond intends to put in time on this in March</li> <li>Use cases — needs a volunteer to drive it to closure</li> <li>Revised conceptual diagram of the ToIP stack &lt;== see topic below</li> </ol> </li> <li>Likely a meeting will be called mid-March to handle issues and action items.</li> </ul> <p>APAC:</p> <ul style="list-style-type: none"> <li><a href="#">Jo Spencer</a> agreed that we need to get feedback from the work going on in the TRTF and TSPTF before going final.</li> <li><a href="#">Darrell O'Donnell</a> said that it would be best to get the maximum feedback from the TRTF and TSPTF first.</li> </ul> <p><a href="#">Trust Registry TF</a> — <a href="#">Andor Kesselman</a> <a href="#">Antti Kettunen</a> <a href="#">Darrell O'Donnell</a></p> <ul style="list-style-type: none"> <li>Multitudes of discussions have been converging into understanding two pronged scope for TRTF:             <ol style="list-style-type: none"> <li><b>Trust Registry specification</b> to cover key trust questions that can be answered via Ecosystem Governance -backed Trust Registry.</li> <li><b>Contextual Trust Decision protocol</b>, which is essentially a collection of Trust Tasks and partially features coming from the Trust spanning layer. It will try to create a mechanism to cover wider range of Trust questions and trust input sources than just Trust Registry.</li> </ol> </li> <li>Decision has been to put work the contextual trust decision protocol on hold, until TSPTF is further along, as there is strong dependency and need to understand the input it provides.</li> <li>Currently working on <a href="#">Trust Registry Requirements</a>. Once requirement gathering is finished, we can move on to proposal stage for TR spec.</li> </ul> <p>APAC:</p> <ul style="list-style-type: none"> <li><a href="#">Jo Spencer</a> likes the separation of the TR V2 protocol, but that both will be needed over time.</li> </ul> <p><a href="#">Trust Spanning Protocol TF</a> — <a href="#">Drummond Reed</a> <a href="#">Daniel Hardman</a> <a href="#">Wenjing Chu</a> <a href="#">Samuel Smith</a></p> <ul style="list-style-type: none"> <li>3 proposals already made, with a fourth published but not yet presented. Links to the Github Discussions for each:             <ul style="list-style-type: none"> <li><a href="#">Proposal #1: Sam Smith</a></li> <li><a href="#">Proposal #2: Daniel Hardman</a></li> <li><a href="#">Proposal #3: Wenjing Chu</a></li> <li><a href="#">Proposal #4: Michael Herman</a></li> </ul> </li> <li>Expected to move into the consolidation stage in March.</li> </ul> <p>APAC:</p> <ul style="list-style-type: none"> <li><a href="#">Jo Spencer</a> is not planning on a separate proposal.</li> <li><a href="#">Darrell O'Donnell</a> is seeing convergence, so that we're ready to move into the consolidation phase.</li> <li><a href="#">Drummond Reed</a> agrees.</li> <li>We also discussed how the TSP will put "pressure" on the Layer 1 support protocols.</li> <li><a href="#">Darrell O'Donnell</a> pointed out the importance of interop test suites in applying that "pressure". He told a story about the geospatial industry and the many flavors of the standard. Even though all the vendors said they were compatible with each other, but finally a company created a test suite that the government required interoperability with. The ultimate result was Google Maps. That is the same pattern we're likely to see here.</li> <li>Darrell: "Here's how we win: when the Armed Forces (of various countries) put it in their specs."</li> </ul> <p><a href="#">ACDC TF</a> — <a href="#">Samuel Smith</a> <a href="#">Phil Fearheller</a></p> <ul style="list-style-type: none"> <li>Phil had an exciting announcement: GLEIF joined the W3C in order to influence the direction of the W3C Verifiable Credentials 2.0 Working Group. The Miami F2F meeting last week resulted in a decision that other non JSON-LD representations of verifiable credentials could be officially recognized as a W3C VC-compliant format.             <ul style="list-style-type: none"> <li>The requirement is only that the representation can be converted in one direction into the VC Data Model (which is JSON-LD with @context). But the native non-JSON-LD representation does NOT need to use @context.</li> <li>The ACDC TF is now going to submit a work item to the W3C VC WG for ACDC credentials (where it will join JWTs and AnonCreds).</li> <li>This should enable the full value of ACDC containers to the W3C VC family.</li> <li><a href="#">Markus Sabadello</a> asked if the ACDC TF plans to define a rich transformation of ACDC credentials into JSON-LD, or a minimal one.                 <ul style="list-style-type: none"> <li>Sam and Phil said that all fields in the VCDM will be covered.</li> <li>Phil said that it would be a very interesting to explore how to do a full rich transformation.</li> <li>Markus agreed that it would be very helpful to have that full rich transformation.</li> <li>Sam pointed out that they didn't have to do a two-way transformation.</li> </ul> </li> </ul> </li> <li>Sam reported that Provenant (where <a href="#">Daniel Hardman</a> is CTO) is now issuing vLEIs using the ACDC format.</li> </ul> <p><a href="#">AI &amp; Metaverse (AIM) Technology TF</a> — <a href="#">Wenjing Chu</a> <a href="#">Vikas Malhotra</a></p> <ul style="list-style-type: none"> <li>Wenjing shared screenshot #3 below.</li> <li>The main work is falling into these areas:             <ol style="list-style-type: none"> <li>Summary of challenges.</li> <li>Blogs/white papers</li> <li>New principles.</li> <li>New recommendations.</li> </ol> </li> </ul> <p>APAC:</p> <ul style="list-style-type: none"> <li>We talked about new principles for the Design Principles for the ToIP Stack and whether we should revise that or have a separate set of principles.</li> <li><a href="#">Drummond Reed</a> mentioned that "zero-trust" is also not mentioned in the Design Principles for the ToIP Stack document yet either — and that it might benefit from a mention.</li> </ul>
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10min	TSWG Term Wiki	<a href="#">Drummond Reed</a> <a href="#">Neil Thomson</a>	<p>It is time to make a dedicated push to build out the <a href="#">TSWG terms wiki</a>. The goal is to have it fully population in April to be ready to use the Concepts and Terminology WG <b>Terminology Engine V2</b> to produce glossaries needed for the TolP Technology Architecture Specification V1.0 (and soon for the TolP Trust Registry Protocol Specification and Trust Spanning Protocol Specification).</p> <p>Proposal (<a href="#">Neil Thomson</a>) : Set up a Terms "Discussion" under each of the TATF, TR and TSP GIT Repositories.</p> <ul style="list-style-type: none"> <li>• Single GH Discussion post for additional terms for which no definition exists (yet)</li> <li>• Each term gets a discussion post (discuss in replies).</li> </ul> <p><a href="#">Neil Thomson</a> created <b>Term and Concept Discussions</b> in each of these TFs:</p> <ul style="list-style-type: none"> <li>• Tech Arch TF - <a href="#">Discussion #88</a></li> <li>• Trust Registry TF — <a href="#">Discussion #79</a></li> <li>• Trust Spanning Protocol TF — <a href="#">Discussion #29</a></li> </ul> <p>ACTION ITEM: <a href="#">Drummond Reed</a> and <a href="#">Neil Thomson</a> to put together a video tutorial for how to use terms wikis.</p>
10min	Updating our conceptual diagram of the TolP stack	<a href="#">Drummond Reed</a>	<p>One of the remaining action items for the <a href="#">TolP Technology Architecture Specification V1.0</a> is a revised version of our conceptual diagram. On the Technology Stack, we need to revise our depiction of layers 1 and 2 — see screenshot #2 below. We also need to reconsider how/where we depict verifiable data registries/trust registries.</p> <ul style="list-style-type: none"> <li>• <a href="#">Judith Fleenor</a> volunteered to be part of the discussion.</li> <li>• <a href="#">Wenjing Chu</a> pointed out that there is a larger question that there are different views of the full conceptual picture. If it was just an endpoint system, it would be easier.</li> <li>• <a href="#">Antti Kettunen</a> acknowledged the importance of this conceptual diagram and how it communicates the bigger picture of how TolP works. He too would like to volunteer for this work. He suggests we wait for a bit to see how the trust spanning protocol and trust registry protocols work out.</li> <li>• <a href="#">Darrell O'Donnell</a> shared a sketch of an overall way he is looking at the TolP stack now in screenshot #4 below. This view emphasizes the role of verifiable data registries and trust registries as the "glue" between the Technology Stack and the Governance Stack. <ul style="list-style-type: none"> <li>◦ <a href="#">Drummond Reed</a> likes that approach.</li> </ul> </li> <li>• <a href="#">Wenjing Chu</a> emphasized that any single view can only show one instance of the stack at a time. In actual operation, there are many different cooperating instances. So we need to compromise on how we can depict an overall conceptual picture.</li> </ul> <p>ACTION: <a href="#">Drummond Reed</a> to start a thread in the TATF Github Discussions to begin discussion of developing a third-generation version of <a href="#">the conceptual diagram of the TolP stack</a> that will be consistent with the <a href="#">TolP Technology Architecture Specification V1.0</a>.</p> <p>ACTION: <a href="#">Drummond Reed</a> to start a Google Slides deck for contributors to contribute suggestions for the third-generation version.</p>
5min	<ul style="list-style-type: none"> <li>• Review decisions /action items</li> <li>• Planning for next meeting</li> </ul>	Chairs	<p>Our next TSWG Plenary meeting will be March 29.</p>

## Screenshots/Diagrams (numbered for reference in notes above)

Join us for an upcoming webinar:

# Demystifying the EUDI Wallet Architecture Reference Framework

IQ INTESI GROUP

Gen

📅 Thurs, Mar 2, 2023 ⌚ 3-4:30pm CET



**Peter Altmann**

PhD. Specialist Digital Identity,  
DIGG - Agency for Digital Government



**Viky Manaila**

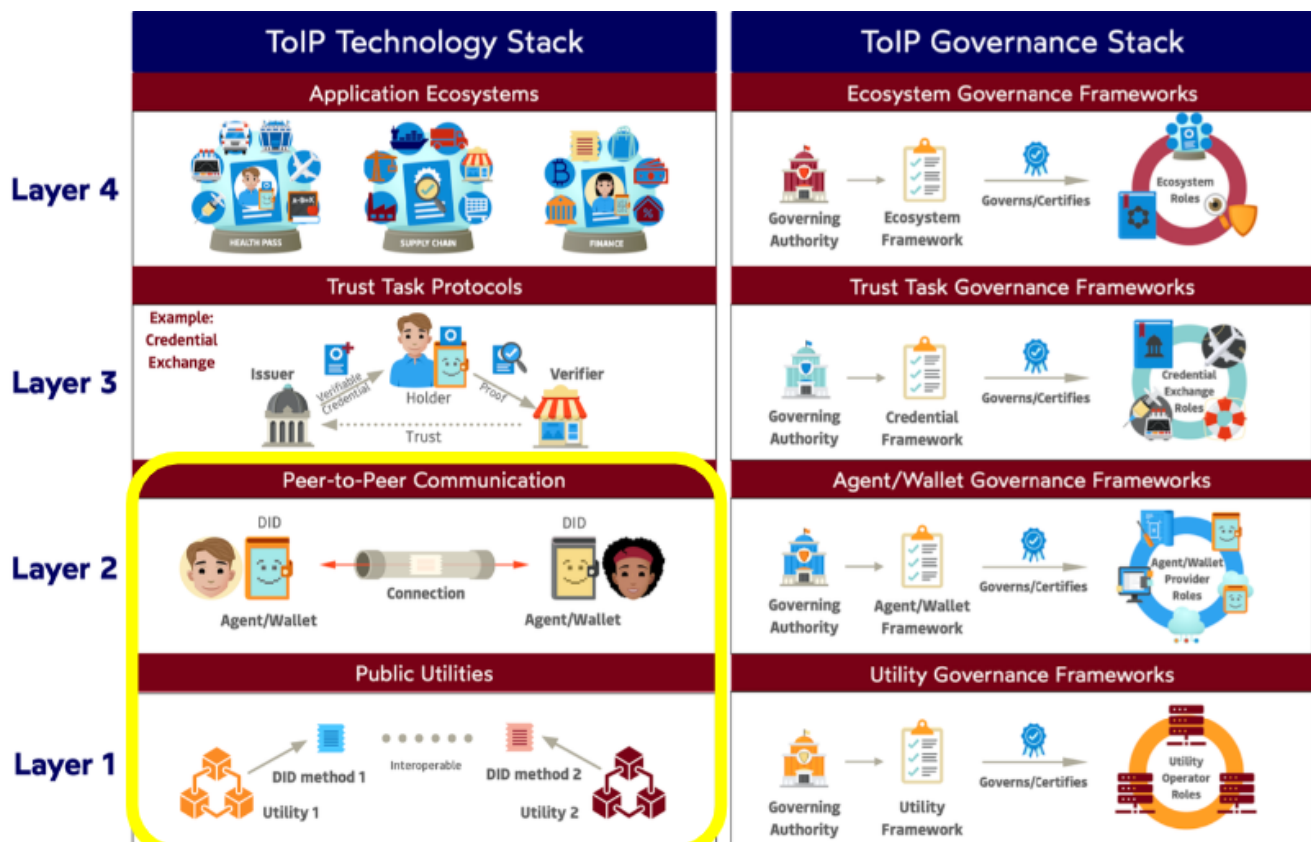
Trust Services Director,  
Intesi Group



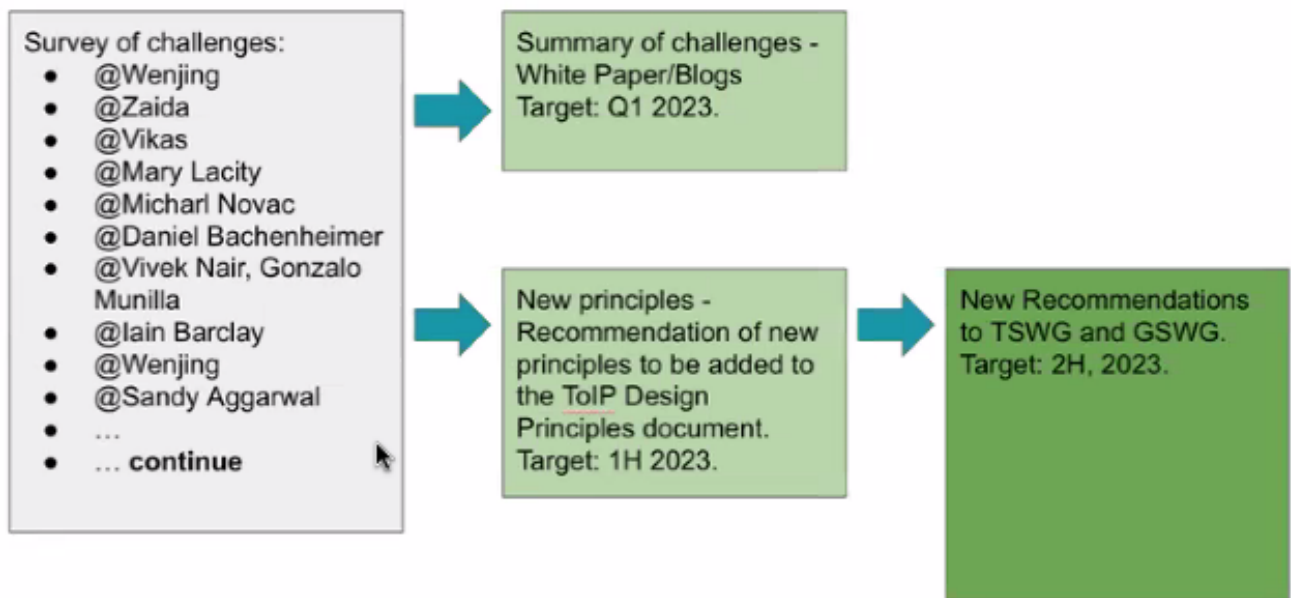
**Andy Tobin**

Commercial Director, Europe,  
Digital Trust Services, Gen

#2

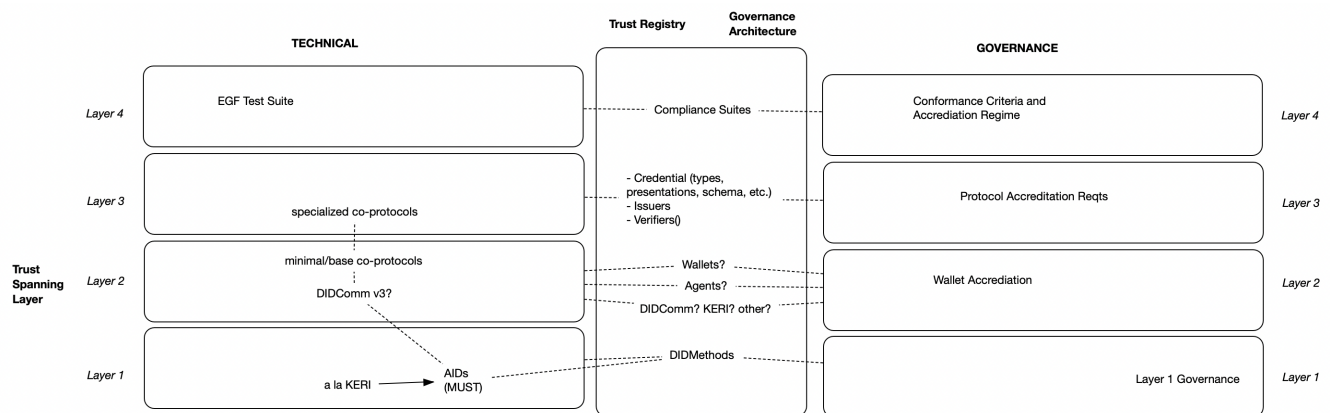


#3



## AIM Task Force 2023 Planning

#4



## Decisions

☐ None

## Action Items

- ☐ ACTION ITEM: [Drummond Reed](#) and [Neil Thomson](#) to put together a video tutorial for how to use terms wikis.
- ☐ ACTION: [Drummond Reed](#) to start a thread in the TATF Github Discussions to begin discussion of developing a third-generation version of [the conceptual diagram of the TolP stack](#) that will be consistent with the [TolP Technology Architecture Specification V1.0](#).
- ☐ ACTION: [Drummond Reed](#) to start a Google Slides deck for contributors to contribute suggestions for the third-generation version.