

# 2020-11-30 Weekly Meeting

30 November 2020 — 8AM PT, 11AM ET, 16:00 UK, 17:00 CET

Send an email to [technical-stack-wg@lists.trustoverip.org](mailto:technical-stack-wg@lists.trustoverip.org) to request a calendar invite (you can subscribe to the mailing list at [lists.trustoverip.org](https://lists.trustoverip.org)).

## Attendees

[David Luchuk](#)

[Phil Fearheller](#), Scoir, Inc. <[phil@scoir.com](mailto:phil@scoir.com)>

[Steven Milstein](#)

[Drummond Reed](#)

[Stephen Curran](#)

[Christoph Schneider](#)

[Steve McCown](#)

[Luca Boldrin](#)

APAC 2020-12-02 (No Recording)

[David Luchuk](#)

[Vinod Panicker](#)

[Amar Tumballi](#)

Eric Drury

[blocked URL](#)

## Recording (North America / Europe)

Recording (APAC) - n/a

## Goals

- Assign action items for next meeting
- Establish work plan for WG deliverables and ensure action items have owners
- Gather agenda suggestions for next meeting

## Agenda Items

| Time    | Item                                           | Who           | Notes                                                                    |
|---------|------------------------------------------------|---------------|--------------------------------------------------------------------------|
| 1 min   | Welcome                                        | D. Luchuk     |                                                                          |
| 2 mins  | Antitrust Policy Notice                        | D. Luchuk     |                                                                          |
| 2 mins  | New Introductions                              | D. Luchuk     | <ul style="list-style-type: none"><li>• None</li></ul>                   |
| 2 mins  | Minutes from last meeting (16-Nov-2020)        | D. Luchuk     | <ul style="list-style-type: none"><li>• Approval: By Consensus</li></ul> |
| 5 mins  | Announcements - review                         | D. Luchuk     |                                                                          |
| 5 mins  | Proposed Taskforce - Verifiable Authorizations | TBC           |                                                                          |
| 10 mins | L1 Interop Spec                                | P. Fearheller |                                                                          |
| 15 mins | Task Force SOS (Scrum of Scrums)               | TF Leads      |                                                                          |

|        |                              |     |  |
|--------|------------------------------|-----|--|
| 5 mins | Discussion Topics            | All |  |
| 5 mins | Review Action and Open Items | All |  |

## Announcements

- ☐ Reminders - revisiting items from Nov 16 meeting
  - ☐ Education Meetings
    - ☐ Planned: None
    - ☐ Call for Education Sessions
      - ☐ KERI Protocol to be revisited (open item)
  - ☐ DIF Interop WG Interlock - [Arch Map](#)
  - ☐ [Hyperledger Indy DID Method Specification WG](#)

## Taskforce - Verifiable Authorizations

- ☐ Review previous suggestion and discuss TF set-up
  - ☐ Sam Smith was not able to attend, so we did not discuss this proposed TF further
  - ☐ Drummond noted that [this thread was ongoing in the GitHub](#) for the W3C Verifiable Credentials Data Model 1.0 spec, and that it was highly relevant to this proposed TF

## Layer 1 Interop Spec

[Phil Fearheller](#) explained the open questions about this spec:

1. Should we have separate specs/APIs for DID resolution (reads) and DID registration (writes).
  - a. [Stephen Curran](#) suggested that yes, it would be best to separate reading, which may often be across DID methods, and writing, which is likely to be specific to writing to a "home network".
2. Should we have a separate spec for DID network discovery?
  - a. [Stephen Curran](#) also felt this would be helpful because decentralized discovery is already a topic on the Indy DID Method Spec WG.
  - b. [Phil Fearheller](#) agreed that could be very helpful to be able to do "trusted discovery".
3. Do we need separate specs/APIs for schema discovery?
  - a. [Stephen Curran](#) felt that this could be more complicated. The goal of the Indy DID method spec is to make access to all these ledger objects based on DID resolution. So to retrieve the object, you would simply resolve the DID.
  - b. [Phil Fearheller](#) asked whether this would also apply to revocation registries.
  - c. [Stephen Curran](#) felt yes, that would also be the best way to access that info.
4. [Drummond Reed](#) agreed with all the comments above and strongly endorsed using DID resolution and registration as the primary mechanism we should rely for abstraction of Layer 1.
5. We then discussed what should be specified by DID method specifications and what should be specified by our ToIP Layer 1 specs.
  - a. [Drummond Reed](#) spoke to the need for the ToIP Layer 1 specs to provide as much guidance as possible to DID method specification authors about interop
  - b. This includes defining DID document type for common Layer 1 objects like schemas and revocation registries.
  - c. [Phil Fearheller](#) agreed, and will take this into account in the specs

## Task Force SOS (Scrum of Scrums)

| TF Name                  | Mission                                      | Members                                                                                                                              | Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Privacy by Design</b> | Submit a ToIP Design Principles Deliverable. | <a href="#">Jim St.Clair</a> (lead)<br><a href="#">Drummond Reed</a><br><a href="#">Dan Gisolfi</a><br><a href="#">John Phillips</a> | <b>DUE 30-Sep-20 – OVERDUE and a dependency for Saturn-V proposal.</b><br>All parties were introduced to the task at hand but no meetings held to complete them.<br>Need to get EU (Jasmin and Johannes) engaged ASAP.<br><a href="#">Jim St.Clair</a> has submitted a proposal.                                                                                                                                                                                                             |
| <b>Laws of Identity</b>  | Submit a ToIP Design Principles Deliverable. | <a href="#">Darrell O'Donnell</a><br><a href="#">Dan Gisolfi</a><br><a href="#">Victor Golubkov</a>                                  | Need a lead for this TF.<br>Two issues (#15 and #16) opened against <a href="#">DRAFT recommendation</a> .<br>We need more help getting this work-product completed.<br><b>DUE 30-Sep-20 – OVERDUE and a dependency for Saturn-V proposal.</b><br><a href="#">How do we map the Laws of Identity to the various Layers in Trust Over IP Foundation Stack?</a><br><a href="#">Drummond Reed</a> reported that <a href="#">Victor Golubkov</a> has been doing work on these design principles. |

|                                                 |                                                                       |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Saturn-V TIP Task Force</b>                  | Submit a TIP Recommendation Deliverable.                              | <a href="#">Dan Gisolfi</a> (lead)<br><a href="#">Phil Fearheller</a><br><a href="#">Kevin Griffin</a>  | Need volunteers in support of this TIP to participate in the Task Force.<br><br>Update <a href="#">Saturn V Proposal</a> to reflect new <a href="#">Design Principles</a> from associated TFs. Proposal <b>placed on hold</b> ; A Draft Guide for <a href="#">Design Principles</a> has been ready since late September. We are still pending Design Principles for the following: <b>Laws of Identity and Privacy by Design efforts</b> .<br><br>KanBan Boards and process setup for Aries Vendor Interop Testing.<br><br><a href="#">Stephen Curran</a> reported that the Hyperledger Aries WG is working on the Aries Interop Profile V2. That meeting is at noon PT on Wednesdays.                                                                                                          |
| <b>TSWG Deliverables and Process Task Force</b> | Define and communicate to ToIP SC our deliverables and process.       | <a href="#">Dan Gisolfi</a> (lead)<br><a href="#">Drummond Reed Darrell O'Donnell</a>                   | Needs to update current deck with suggestions for Use Cases Model for TSWG. Collaborate with <a href="#">David Luchuk</a> and the Operational Team on how to communicate this info.<br><ul style="list-style-type: none"><li>• Need to discuss <a href="#">Issue #1 - TIP Repo Template Contents</a></li><li>• <b>OVERDUE</b>: Overall Operational Team process definition delays preventing focus on interlock with TIP and Spec deliverables processes.</li><li>• <a href="#">Drummond Reed</a> reported that <a href="#">Daniel Hardman</a> gave an extended presentation to the Concepts and Terminology WG last Monday that went into great depth about the proposed tooling that can also handle permalinks. Everyone is enthusiastic about this design but it needs more work.</li></ul> |
| <b>TSWG Glossary</b>                            | Collaborate with CTWG on the process and delivery of a TSWG Glossary. | <a href="#">RJ Reiser</a> (lead)                                                                        | <ul style="list-style-type: none"><li>• <b>Terminology</b>: All terminology suggestions should be submitted as <a href="#">Issues to the Concepts and Terminology WG Repo</a> or via alternative CTWG processes.</li><li>• Exploring tools and process for submitting/publishing terms.</li><li>• CTWG is considering a perma-link service for all authors to leverage.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RFC 289 Conversion</b>                       | Submit a ToIP Specification Deliverable                               | <a href="#">Drummond Reed (lead)</a><br><a href="#">Dan Gisolfi Darrell O'Donnell</a>                   | Factored into new joint deliverables proposal that consists of five pieces:<br><ol style="list-style-type: none"><li>1. Technical Architecture TSS</li><li>2. Technology Stack Design Principles</li><li>3. Governance Architecture TSS</li><li>4. Governance Stack Design Principles</li><li>5. Design and Architecture of the ToIP Stack white paper</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Layer 1 Interop Spec (LIS 1)</b>             | Submit a ToIP Specification Deliverable                               | <a href="#">Kevin Griffin</a> (lead)<br><a href="#">Drummond Reed Darrell O'Donnell Phil Fearheller</a> | Working on a deliverable plan. Spec writing Tool selection underway. Spec <a href="#">outline concepts proposed</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Layer 2 Interop Spec (LIS 2)</b>             | Submit a ToIP Specification Deliverable                               | <a href="#">Dave McKay</a> (lead)<br><a href="#">Scott Whitmire</a><br><a href="#">Rob Bartlett</a>     | Working on a deliverable plan. Pending closure and guidance on KanBan Boards and Deliverables process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Layer 3 Interop Spec (LIS 3)</b>             | Submit a ToIP Specification Deliverable                               | <a href="#">Dave McKay</a> (lead)<br><a href="#">Scott Whitmire</a><br><a href="#">Rob Bartlett</a>     | Working on a deliverable plan. Pending closure and guidance on KanBan Boards and Deliverables process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Decentralization Task Force</b>              | Submit a ToIP Recommendation as a Design Principle.                   | <a href="#">Daniel Bachenheimer</a> (lead)<br><a href="#">Jessica Townsend</a>                          | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Decision Points

☐ None

## Discussion Topics (carry-over from Nov 16 meeting)

- ☐ GSWG Proposal: Q1 2021 Joint Deliverables Package
1. ToIP Technology Stack Design Principles (TSWG) (**DP0006 Technology Stack**)
    - a. Focus on overall design principles – separate deliverable from the specific (**DP0003 Laws of Identity**) and (**DP0004 Privacy by Design**) TFs
    - b. Focus is on TIP independent and stack layer independent. So this is a separate full-stack deliverable. For example: (**DP0005 Decentralization by Design**)
  2. ToIP Governance Stack Design Principles (GSWG) (**DP0007 Governance Stack**)
  3. [ToIP Governance Architecture TSS](#) (GSWG) <== underway (**TSS0002 Governance Stack**)
  4. ToIP Technical Architecture TSS (TSWG): See **RFC 289 Conversion TF** (**TSS0001 Technology Stack**)
  5. Design and Architecture of the ToIP Stack (white paper) (joint deliverable of GSWG and TSWG): [Update Foundation Whitepaper](#) (**WP0010 ToIP Foundation Whitepaper**)
- ☐ Sam Smith - Task Force Proposal for next meeting
- ☐ Verifiable Authorizations: Mapping vCreds spec to authorization semantics. Positioning this concept with respect to other industry activity.
- ☐ Migration to Kanban tooling.
- ☐

— Trello Account Setup; Board creation WIP.

☐ Goal is to improve WG reporting (scrum activity) and allow Task Forces to organize and manage activity.

☐ Upon completion of KanBan boards: Convert TSWG Bi-monthly Meeting into a Monthly Scrum of Scrums (SOS); Allowing TFs to meet more frequently and to be more focused on actual deliverables than status updates.

☐ [Triage GitHub Issues](#)

## Action items

☐ Each TF is requested to prepare a TF plan with target dates.

☐ All TSWG Members should read our [Deliverable Process](#) and [TIP Lifecycle Management](#); Open issues where appropriate.

☐ Set Agenda for next meeting

☐ APAC call (Dec 2, 2020) - [David Luchuk](#) to 1) send message seeking input from TSWG US/EU on requirements for Utility project underway in APAC region, and 2) propose that TSWG & UFWG meetings for APAC region be merged.

## Open Items

*Low priority items that failed to gain volunteers to champion cause.*

☐ Change TSWG Mtg slot.

☐ ISO Interlock discussion : ToIP Liaison (Vicky Lemieux) to ISO TC 307 (Emily Dawson Secretariat)

☐ Need to establish chair duration and cycle times

☐ Possible library - collection of links

☐