



TRUST
Over **IP**
FOUNDATION

All-Member Meeting

15 July 2020—10:00-11:00 PT / 17:00-18:00 UTC

 **THE LINUX** FOUNDATION

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- › Meetings of the Trust over IP Foundation and its Working Groups are subject to the antitrust provisions of the Trust over IP Foundation Project Charter. It is the intention of the Trust over IP Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

Agenda

- › Update on John Jordan (Drummond and Stephen)
- › Membership Update (Todd)
- › Collaboration Tools Review (Todd)
- › ToIP Deliverables (Drummond)
- › Working Group and Task Force Updates (WG & TF Chairs)
- › Open Q & A (All Members)

Update on John Jordan

Drummond Reed and Stephen Curran will provide an update on John Jordan

Membership update (Todd)

- › At our launch on *May 5th*, we had 29 total organizational members
 - › 17 Steering Members
 - › 12 Contributor Members (all Organizations)
- › As of today, we have **136** total members
 - › 18 Steering Members
 - › 1 Associate Member
 - › 88 Contributor Members (Organizations)
 - › 29 Contributor Members (Individuals)

Collaboration Tools (Todd)

- › Groups.io (lists.trustoverip.org)
 - › All Members are automatically added to the All Members mailing list all-members@lists.trustoverip.org.
 - › Please note that the mailing lists have all been configured to be publicly viewable for openness, but only companies, organizations, or individuals that have signed the TolP agreements will be able to post/"contribute" to the lists.
 - › To join the discussion, simply self-subscribe at lists.trustoverip.org (Governance Stack, Technical Stack, Ecosystem Foundry, Utility Foundry) and you will be adding to the relevant meeting series
- › Confluence (wiki.trustoverip.org)
 - › If you do not already have an LFID, please create one at the top right of the wiki to be able to edit.
- › Slack (trustoverip.slack.com)
- › Web (www.trustoverip.org)
 - › In the interim, please send updates directly to operations@trustoverip.org
- › GitHub (<https://github.com/trustoverip>)

ToIP Deliverables



TRUST Over **IP** **FOUNDATION**

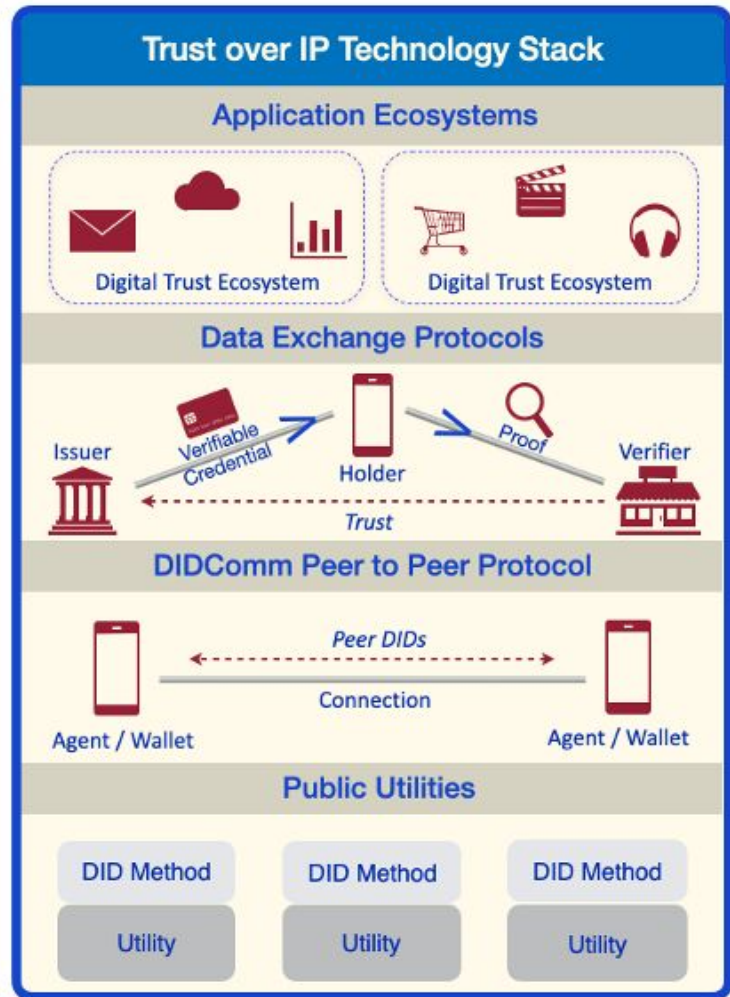
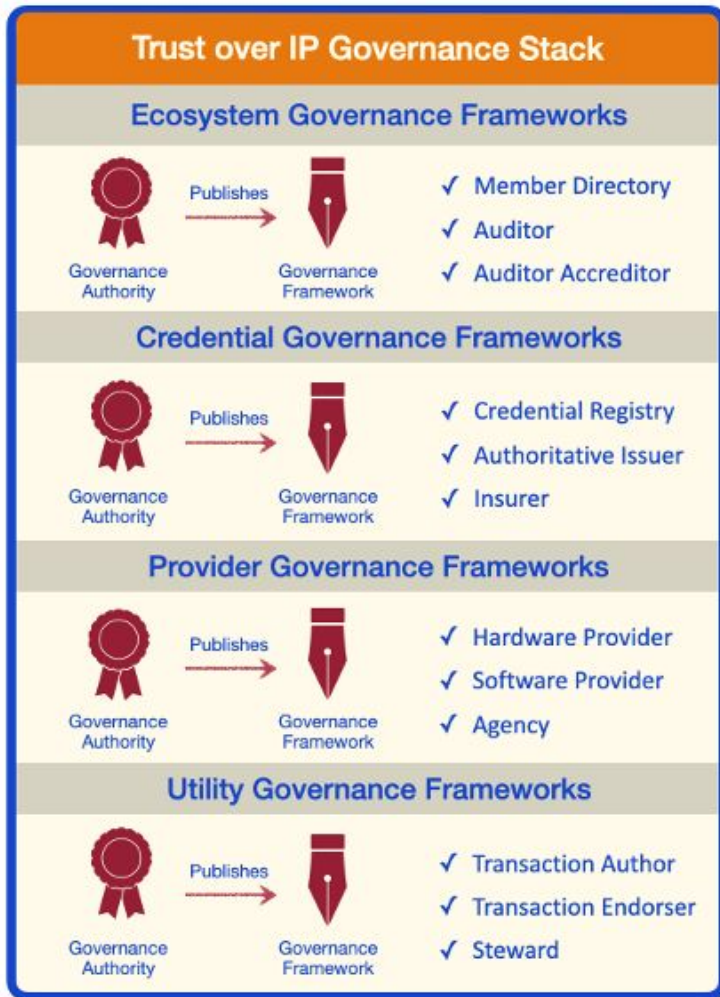
The Trust over IP Foundation is defining a complete architecture for Internet-scale digital trust that combines both cryptographic trust at the machine layer and human trust at the business, legal, and social layers.

Layer 4

Layer 3

Layer 2

Layer 1



Read the white paper:

<https://trustoverip.org/resources/intro-to-toip/>

ToIP
Deliverable

```
graph TD; A[ToIP Deliverable] --- B[Specification]; A --- C[Template]; A --- D[Recommendation]; A --- E[Implementation Plan]; A --- F[White Paper];
```

Specification

Template

Recom-
mendation

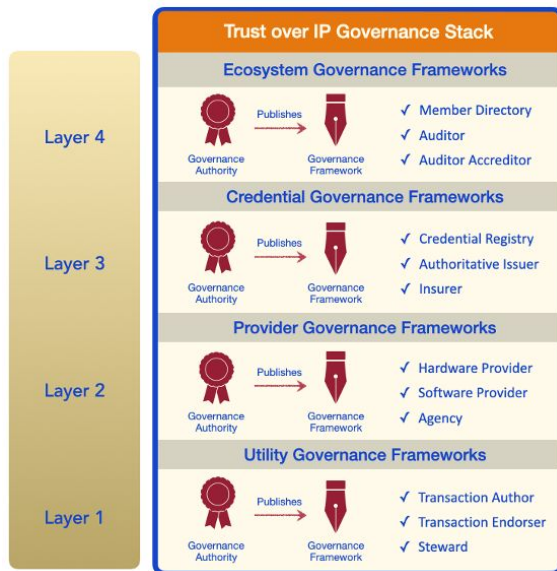
Implemen-
tation Plan

White Paper

Working Group & Task Force Updates

Governance Working Group: Mission & Goals

The scope of the Governance Stack Working Group is to define models and interoperability standards for governance frameworks that enable business, legal, and social trust between entities implementing the Trust over IP architecture stack as defined in [Hyperledger Aries RFC 0289](#) (or its successor as identified in the RFC).



Governance Working Group: Activities & Progress

- › Elected chairs and vice chairs to brief (2-month) initial terms
 - › *Chairs:* Drummond Reed, Scott Perry, Tom Plagge
 - › *Vice Chairs:* Steve Magennis, Steven Milstein, Sankarshan, Kalyan Kulkarni
- › Bi-weekly meetings on Thursdays at 11:00am PT, with APAC to come.
- › Gathering input and determining work products & deliverables. This WG primarily will deliver templates and recommendations.
- › *Initial work products & deliverables:*
 - › ToIP Standards Specification (TSS) for ToIP Governance Architecture to define overall model and requirements for governance frameworks
 - › Layer One Utility Governance Framework Templates, based on prior work from the Sovrin Foundation and others
- › *Initial task forces (see Confluence wiki):*
 - › Trust Assurance
 - › Process & Rules

Technical Stack WG: Activities & Progress

- › WG established:
 - › 1st Meeting was June 1, 2020
 - › Meetings: US/UK/EU alt MON 11AM ET; APAC/IN alt MON Midnight ET
 - › ±15 participants per meeting in the former, ±4 in the latter
 - › Conveners: Matt Davies, Dan Bachenheimer
 - › Co-Chairs: Dan Gisolfi, Matt Davies, Darrell O'Donnell
 - › Vice-Chair: Ajay Jadhav

- › *ACTION: Need to determine term of office*

Technical Stack WG: Activities & Progress

Mission and scope

The scope of the Technical Stack Working Group is to define (directly or by reference) the technical standards, test suites, and interoperability certification standards for the Trust over IP architecture stack as defined in [Hyperledger Aries RFC 0289](#) (or its successor as identified in the RFC document itself).

Proposed deliverables

1. A technical description of each of the layers and their scope
2. The required, recommended, and optional functionality at each layer
3. The required, recommended, and optional dependencies on the layer below
4. The interoperability certification testing standards for each layer

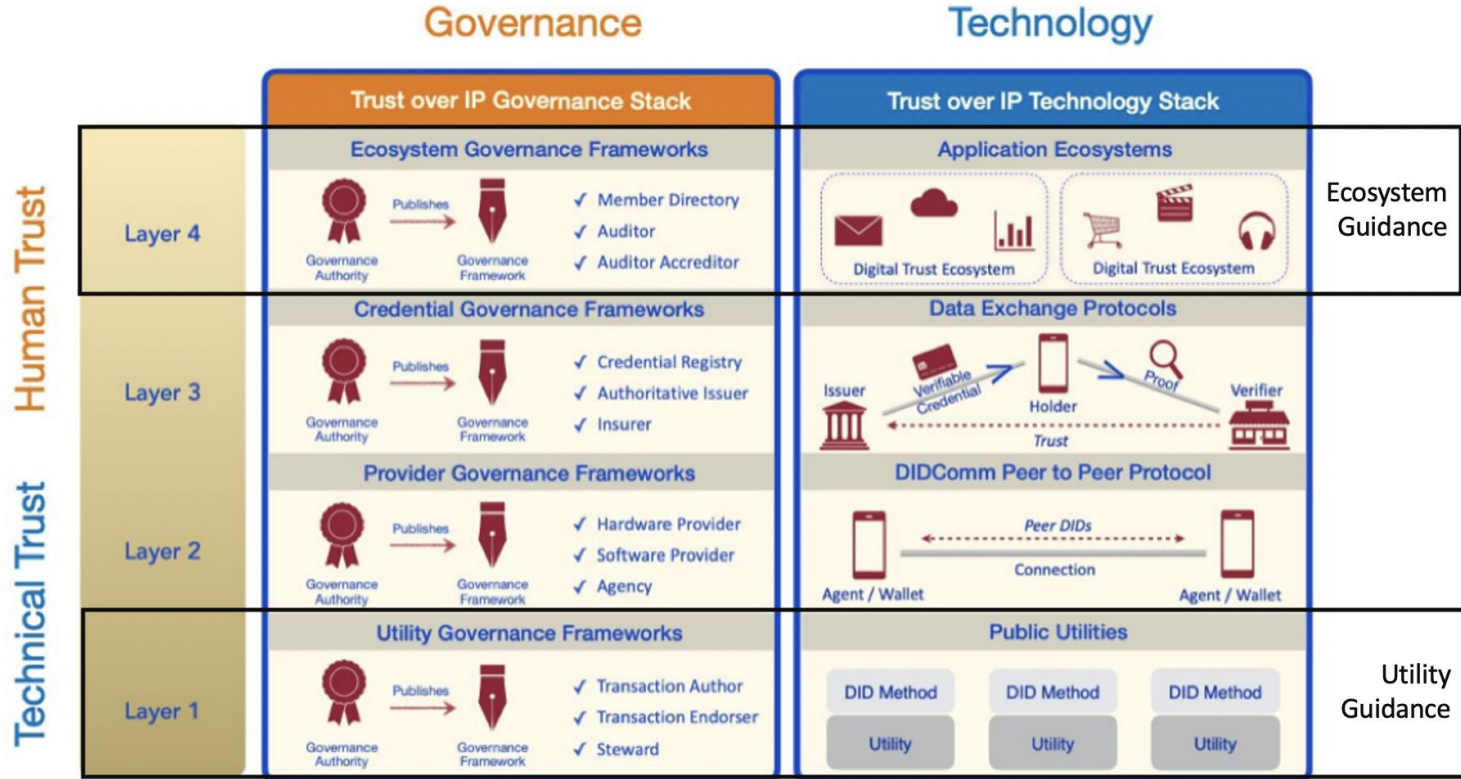
Suggested initial work items

1. Identify for each layer what is done, being done, and needs to be done
2. Identify privacy and security test regimes and certifications for each layer
3. Develop and publish a template for TIPs—ToIP Interoperability Profiles

Technical Stack WG: Activities & Progress

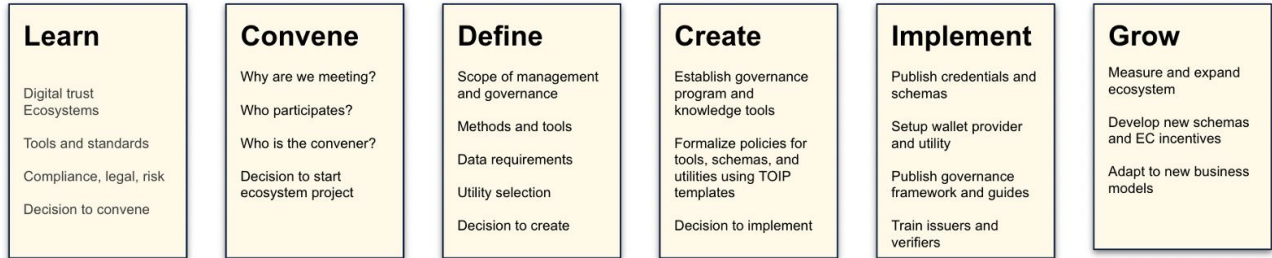
- › Current focus:
 - › Discussion of **TIPs**
 - › one TIP per vertical?
 - › agreement on horizontal interoperability?
 - › clarity that TIPs are for reference implementations - not just interoperability
 - › **TOIP Deliverables**
 - › Define process (lifecycle)
 - › Defining a TIP
 - › Defining the proposal process
 - › Incubation process

Foundry Workgroups

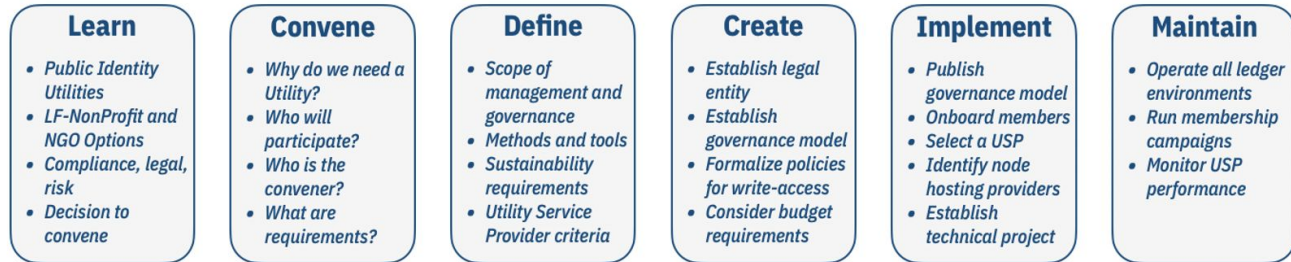


Foundry Workflows

Ecosystem Foundry Working Group: *Getting Started Workflow*



Utility Foundry Working Group: *Getting Started Workflow*



ToIP Guidance is publicly available for all.

Utility Foundry Working Group: Mission and scope

The scope of the Utility Foundry Working Group is to facilitate a community of practice among governance authorities, implementers, operators, and service providers for Trust over IP Layer One utilities.

The WG will provide process guidance for the establishment and monitoring of new ToIP Layer One utility projects, whether hosted at the Linux Foundation or external to it. Other WG activities will include creating template RFPs for service providers, maintaining a list of affiliated Foundry Service Providers, identifying areas of collaboration and alignment between associated and/or disparate Utilities, and where possible serving as a center of competence for the education and promotion of the role of ToIP Layer One utilities.

Utility Foundry Working Group: Activities & Progress

- › Elected chairs and vice chairs to 6-months initial terms
 - › Chairs: Dan Gisolfi, André Kudra, Vinod Panicker
 - › Vice Chairs: Cameron Boozarjomehri, Mathieu Glaude, Sandeep Krishnappa
- › Bi-weekly meetings on Tuesdays facilitating major time zones
 - › US/EU: 18:00-19:00 UTC / 11:00-12:00 PDT / 20:00-21:00 CET / 03:00-04:00 JST (=next day)
 - › APAC: 06:00-07:00 UTC / 23:00-00:00 PDT (=prior day) / 08:00-09:00 CET / 15:00-16:00 JST
- › WG org area established
 - › ToIP Wiki at the [Utility Foundry WG page](#)
- › Initial work items organized
 - › Utility foundry workflow with sample stories
 - › Decision tree for lifecycle stages
 - › Establishing relevant liaisons
 - › Understanding of open source tech & interoperability

Ecosystem Foundry Working Group: Mission and Scope

Facilitate a community of practice among governance authorities, implementers, operators, and service providers of Trust over IP Layer Four ecosystems. The WG will provide process guidance for the establishment and monitoring of new ToIP Layer Four ecosystem projects, whether hosted at the Linux Foundation or external to it. Other WG activities will include creating template RFPs for service providers, maintaining a list of affiliated Foundry Service Providers, identifying areas of collaboration and alignment between associated and/or disparate ecosystems, and where possible serving as a center of competence for the education and promotion of the role of ToIP Layer Four ecosystems.

Ecosystem Foundry Working Group: Activities & Progress

- › [Bi-weekly meetings](#) on Thursdays at 11:00am edt
- › Working on ToIP Glossary terms
- › Working on establishing Ecosystem Workflow template
 - › Produced draft [Ecosystem workflow](#) use case
 - › Produced [community use cases](#) for Malaysian B2B eKYC, Gemstone Industry Platform, Medical Information Ecosystem, Enterprise Ecosystems, Legal Entity Identifier Foundation
 - › More community use cases and feedback wanted
- › New Task force for [COVID-19 Credentials Initiative](#) and [Internet of Education](#)

CCI GF V2 Task Force (under the EFWG): Activities and Progress

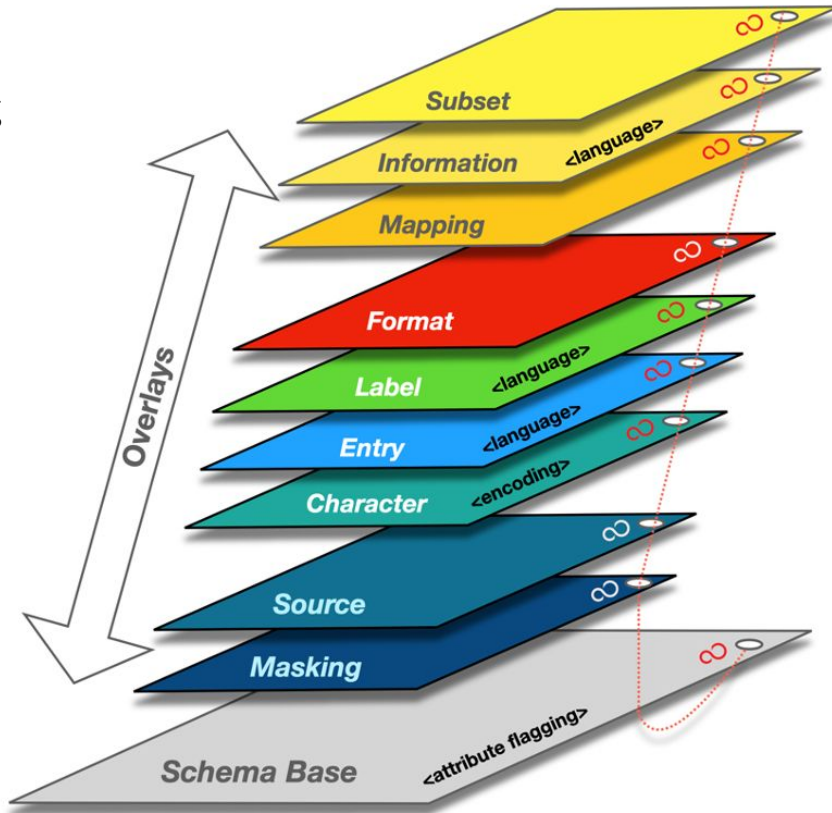
- CCI GF V2 TF was launched on 01 July, 2020 ([wiki page](#)); transitioned from Covid Credentials Initiative
- Weekly TF Calls (Mondays at: 0700 PDT / 1000 EDT / 1400 UTC / 1930 India / 2200 Singapore)
- Intended outcome - ***complete second version (V2) of the CCI Governance Framework***
 - extend the V1 release with input and feedback from the community as well as additional detail required to align with example use cases designed within the Covid Credentials Initiative
 - Completion of final CCI GF V2 content by September 2020; monitor progress and adjustment if necessary
 - Planning for more complete translations in additional languages (V1 has over five languages translations plus English)
- Seeking organizations interested to adopt V1 framework, as well as the upcoming V2
- Call-to-Action - Outreach to experts in data ethics, data governance, members of similar/allied governance frameworks and application/service development communities to contribute to V2 development.

Decentralized Semantics Working Group: Mission and scope

The mission of the WG is to define a data capture architecture consisting of immutable schema bases and interoperable overlays for Internet-scale deployment. The scope of the WG is to define specifications and best practices that bring cohesion to data capture processes and other [Semantic Standards](#) throughout the ToIP stack, whether these standards are hosted at the Linux Foundation or external to it. Other WG activities will include creating template Requests for Proposal (RFPs) and additional guidance to utility and service providers regarding implementations in this domain. This WG may also organise Task Forces to escalate the development of certain components if deemed appropriate by the majority of the WG members and in line with the overall mission of the ToIP Foundation.

Decentralized Semantics WG: Overlays Capture Architecture (OCA)

A data capture architecture consisting of immutable schema bases and interoperable overlays.



Decentralized Semantics Working Group: Activities & Progress

- › Weekly meetings on Tuesdays
 - › 16:00-17:00 UTC / 09:00-10:00 PDT / 18:00-19:00 CET / 01:00-02:00 JST (=next day)
- › WG org area established
 - › ToIP Wiki at the [Decentralized Semantics WG page](#)
- › Proposed TFs
 - › [Imaging TF](#)
 - › [Medical Information TF](#)
 - › [Notice & Consent TF](#)
- › Initial work items organized
 - › Creating a functionality requirements document for a fully interoperable data capture architecture
 - › Ref.: <https://docs.google.com/document/d/1XTf1A4JTbuNntMflQA-eakX-ClkqtY-N/edit>
 - › Presentation + live demo of Overlays Capture Architecture (OCA)

Concepts & Terminology WG: Mission & Goals

The scope of the C&T WG is to develop shared concepts and terminology available to all stakeholders in the ToIP stack. This includes developing artifacts and tools for discovering, documenting, defining, and (deeply) understanding the concepts and terms used within ToIP.

Key deliverables include 1+ glossaries together with a corpus of data underlying them. This data will consist of formally modeled concepts, plus their relations and constraints, and will encompass perspectives from technical, governance, business, legal and other realms. All ToIP WGs and TFs can contribute to (and inherit/import from) these deliverables.

WGs or TFs can still maintaining their own specialized glossaries if they require. We expect these, as any other generators of concepts and terminology elsewhere in the industry, to feed back into the glossaries and corpus of data maintained by this WG in a cycle of continuous improvement.

Concepts & Terminology WG: Activities & Progress

- › WG is being set up:
 - › Scope statement needs to be approved
 - › Conveners: Drummond Reed, Rieks Joosten
- › Way of working needs to be fleshed out and decided to serve different needs, e.g.:
 - › for TIPs, where a TIP-specific glossary works fine;
 - › for deeply understanding what we're doing, which requires mental models.



Open Conversation

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