Secure Asset Transfer Protocol (SATP)

Chairs:
Claire Facer
Wes Hardaker

Mailing List:
https://www.ietf.org/mailman/listinfo/sat

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

> By participating in the IETF, you agree to follow IETF processes and policies.

> If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.

> As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.

> Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.

> As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

BCP 9 (Internet Standards Process)

BCP 25 (Working Group processes)

BCP 25 (Anti-Harassment Procedures)

BCP 54 (Code of Conduct)

BCP 78 (Copyright)

BCP 79 (Patents, Participation)

https://www.ietf.org/privacy-policy/ (Privacy Policy)

IETF Code Of Conduct Guidelines   RFC7154

1. Treat colleagues with respect
2. Speak slowly and limit the use of slang
3. Dispute ideas by using reasoned argument
4. Use best engineering judgment
5. Find the best solution for the whole Internet
6. Contribute to the ongoing work of the group and the IETF

For IETF-116: **masks are required during meetings**

Please keep these in mind both at the mic and on Jabber/Meetecho IM

This session is being recorded

In-person participants

- Make sure to sign into the session using the Meetecho (usually the "onsite tool" client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended

Onsite tool

Use Meetecho "lite" link

SATP WG Information

SATP information:

    Datatracker: https://datatracker.ietf.org/group/satp/about/

    Purpose: develop a protocol to transfer digital assets between two different networks

Mailing list information:

    List: sat@ietf.org

    Subscribe: https://www.ietf.org/mailman/listinfo/sat

Active drafts to consider:

    draft-hargreaves-sat-core-02

    draft-hardjono-sat-architecture-03

    draft-ramakrishna-sat-use-cases-02

SATP WG Meetings

- At Every IETF

- Monthly interim meetings
  - 2023-04-11
  - 2023-05-06
  - 2023-06-13
 - 2023-07-11
  - 2023-08-15
  - 2023-10-17

Please come Join us!

Agenda

1. WG Introduction   Chairs   5m
   - Note-takers: ???

2. SATP WG Scope   Chairs   5m

3. SATP Terminology Discussion   Alex % chairs   20m

4. Proposed Working Documents
   - Architecture document   Thomas   20m
   - Use cases   Venkatraman   20m
   - Protocol Document   Thomas   20m

5. Documents ready for adoption?   Chairs   5m

6. AOB   Remaining
   - transfer/transaction IDs/context   Denis
   - Ledge state views   Venkatraman

Scope

Develop a protocol for the secure, one way, transfer of any digital asset between networks, that is agnostic to both the technology of the network(s) and to the nature of the asset.
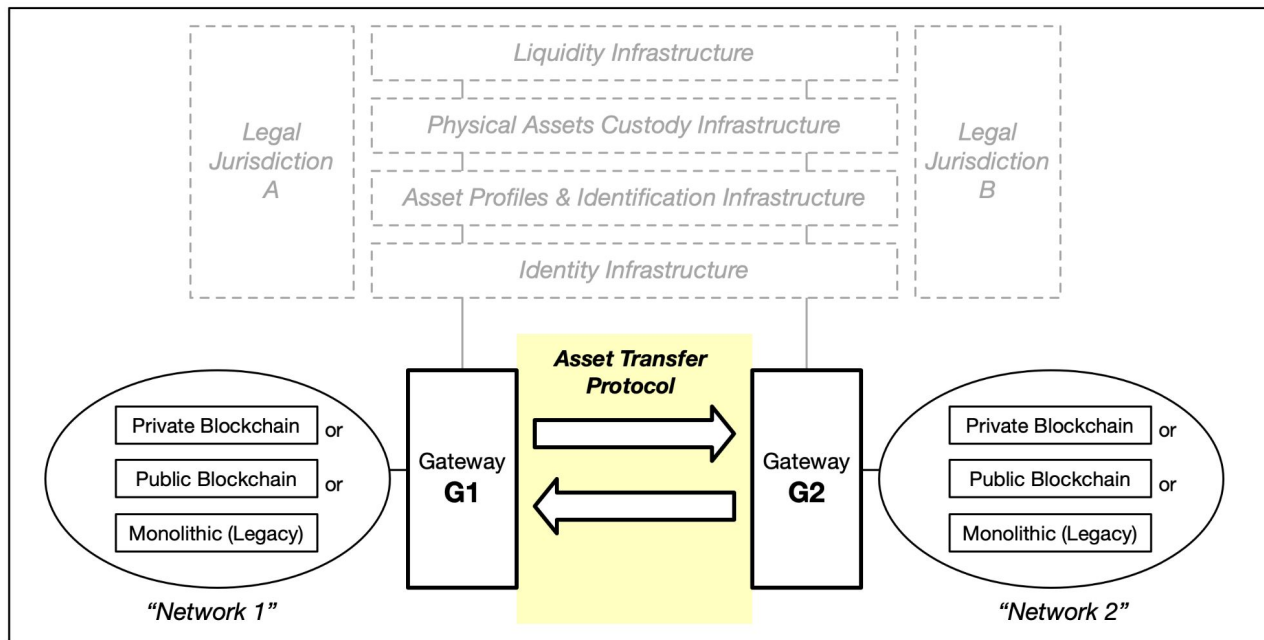
N.B.yellow box indicates IETF focus

Today's vs The Future's Scope

In SATP's scope today:
- Unidirectional asset transfer
- Gateway-to-gateway asset transactions

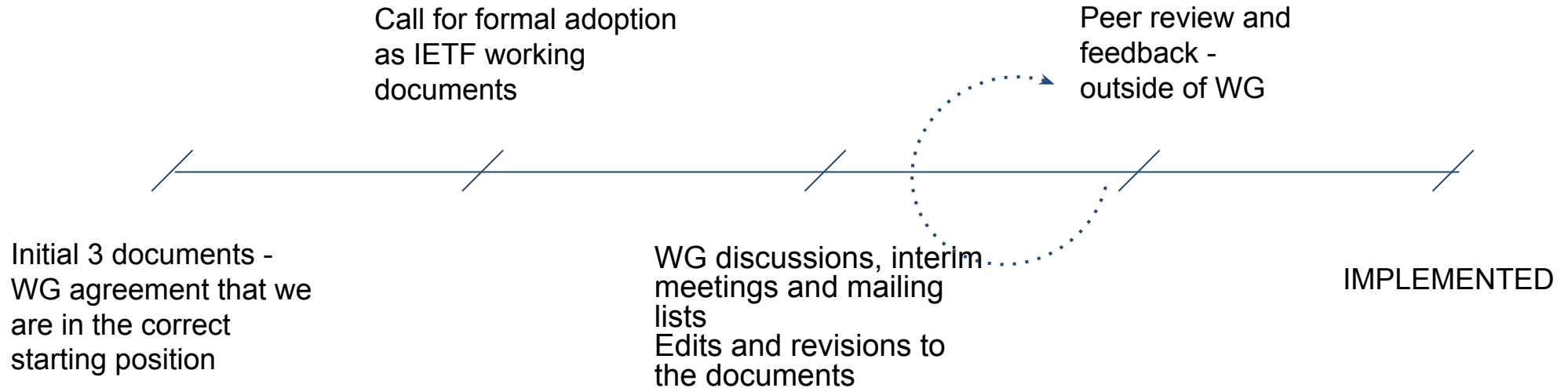**Out of scope today – future scopes TBD**
- Multi-directional asset "swaps"
- Additional related digital objects
  - e.g. transmission of a Bill of Lading
- In-network protocols for transfer/locking before SATP

WG Scoping and Focus

Discussion Scope TL;DR:

- WG meetings will prioritize time for WG scoped items
  - Additional presentation time MAY be available during AOB

- Mailing list discussion for other scopes is acceptable
  - (unless the traffic completely swamps current scopes)

Path to Adoption

Call for formal adoption
as IETF working
documents

Peer review and
feedback -
outside of WG

Initial 3 documents -
WG agreement that we
are in the correct
starting position

WG discussions, interim
meetings and mailing
lists
Edits and revisions to
the documents

IMPLEMENTED

N.B. high level view for illustrative processes - not
each stage is shown here

SATP Terminology –
https://github.com/CxSci/IETF-SATP/blob/main/vocabulary/vocabulary.md

Vocabulary goals:

- Ensure all documents use a common terminology set
- Ensure all WG participants use a common terminology set
- Ensure all WG everything matches the scope

Thank you to Alex for being willing to take on this task

Thank you to everyone that helps Alex build this list!

SATP Terminology –
https://github.com/CxSci/IETF-SATP/blob/main/vocabulary/vocabulary.md

Address
Asset Status
Asset Lock
Asset Binding
Asset Assignment
Blockchain
Digital Asset
Digital Asset Owner
Double Spend

Network (Asset Network)
Gateway
Origin (Network)
Destination (Network)
Originator
Beneficiary
Transaction
Burn (Burning):
Mint (Minting)
Asset transfer (cross network)

Terminology Examples

Digital Asset: Any asset that is purely digital, or is a digital representation of a physical asset.

Digital Asset Owner: Person or organization whop is the legal owner of a digital asset.

Gateway: The collection of services which connects to a minimum of one network or system, and which implements the secure asset transfer protocol.

Burn (Burning):   A transaction carried-out on a digital asset within a network that destroys the value associated with the digital asset.

Mint (Minting): asset   A transaction carried-out within a network creates a new digital asset

associated with an economic value.

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