

# **Software Updates for Internet of Things (SUIT) WG**

**IETF 118**

**Tuesday, 7 November 2023 at 17:00 CET**

Chairs:

Dave Thaler

David Waltermire

# 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.

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)

# Living the IETF Code of Conduct

A brief reminder of key points from RFC 7154:

- IETF participants extend respect and courtesy to their colleagues at all times.
- IETF participants have impersonal discussions.
- IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
- Individuals are prepared to contribute to the ongoing work of the group.

# Administrative Tasks

Bluesheets will happen automatically by joining MeetEcho

We need two volunteer note takers

MeetEcho: <https://www.meetecho.com/ietf118/suit>

Etherpad: <https://notes.ietf.org/notes-ietf-118-suit#>

# Agenda

- 1) Logistics**
- 2) Hackathon Summary**
- 3) SUIF Manifest Format**
  - draft-ietf-suit-manifest-24
- 4) SUIF Manifest Extensions for Multiple Trust Domains**
  - draft-ietf-suit-trust-domains-05
- 5) Update Management Extensions for SUIF Manifests**
  - draft-ietf-suit-update-management-04
- 6) Firmware Encryption with SUIF Manifests**
  - draft-ietf-suit-firmware-encryption-18
- 7) Secure Reporting of Update Status**
  - draft-ietf-suit-report-07
- 8) Strong Assertions of IoT Network Access Requirements**
  - draft-ietf-suit-mud-06
- 9) Mandatory-to-Implement Algorithms for SUIF Manifests**
  - draft-ietf-suit-mti-03
- 10) Any Other Business (if time permits)**

# Draft Status (1 of 2)

**The following drafts are TEEP dependencies:**

## **SUIT Manifest Format**

- draft-ietf-suit-manifest-24
- Submitted to IESG for Publication
- Revised I-D Needed to address AD Review

## **SUIT Manifest Extensions for Multiple Trust Domains**

- draft-ietf-suit-trust-domains-05
- WGLC completed; revised I-D needed

## **Secure Reporting of Update Status**

- draft-ietf-suit-report-07
- Discuss open issues; ready for WG Last Call?

## **Mandatory-to-Implement Algorithms for SUIT Manifests**

- draft-ietf-suit-mti-03
- Depends on draft-ietf-cose-aes-ctr-and-cbc (with RFC Editor)
- WGLC completed 2023-09-19; more review needed

# Draft Status (2 of 2)

## Update Management Extensions for SUIT Manifests

- draft-ietf-suit-update-management-04
- WGLC completed 2023-08-14; issue raised
- More feedback needed

## Firmware Encryption with SUIT Manifests

- draft-ietf-suit-firmware-encryption-18
- Depends on draft-ietf-cose-aes-ctr-and-cbc (with RFC Editor)
- Depends on draft-isobe-cose-key-thumbprint
- WGLC completed 2023-09-11; revised I-D needed

## Strong Assertions of IoT Network Access Requirements

- draft-ietf-suit-mud-06
- Depends on draft-isobe-cose-key-thumbprint
- In IETF Last Call (ends 2023-11-14); waiting for dependency to catch up