

draft-ietf-suit-manifest-37

Status and changes since SUIT interim 2026-02-24

Meeting: interim-2026-suit-02

Date: 2026-06-18

Brendan Moran

draft-ietf-suit-manifest-37 Overview

Defines the CBOR-based SUIIT manifest format used to describe firmware/software update metadata.

Covers where code/data is obtained, recipient applicability, cryptographic protection, and processing sequences.

Supports software update and trusted invocation workflows through manifest-encoded command sequences.

Base SUIIT format specification, currently in the publication pipeline with narrowly scoped editorial/IANA/CDDL corrections since v34.

Current Status

Datatracker State

Current version: draft-ietf-suit-manifest-37

Previous baseline: draft-ietf-suit-manifest-34

Changed since February interim: yes; v35, v36, and v37 were posted on 2026-06-17/18.

Visible Review / Publication State

IESG: RFC Ed Queue

RFC Editor: Blocked; Reference Not Received

IANA: RFC-Ed-Ack, Expert Reviews OK, Review state Version Changed - Review Needed

Stream: Submitted to IESG for Publication

February Baseline

Interim minutes listed manifest-34 in RFC Ed Queue and noted open manifest questions for Brendan to review and reply.

Requests / Actions Since February

February interim: manifest-34 was in RFC Ed Queue; Brendan to review and reply to manifest questions.

Koen and Ken identified an inconsistency in two reporting parameter names; v35 was posted to correct it.

v35 had the wrong base revision; v36 rebased the change so the diff against v34 was small.

An unaddressed IANA comment was found; v37 corrected IANA CBOR tag allocation wording.

Manifest v37 mailing-list note states the v34-to-v37 diff addresses two issues: CDDL naming and IANA tag allocation text.

Completed Work

v35/v36/v37: corrected reporting policy CDDL names to align full CDDL with draft text.

v36: rebased the correction onto the correct v34 baseline after v35 was posted from the wrong base.

v37: corrected IANA CBOR tag allocation text for SUIT Envelope and SUIT Manifest.

No new protocol mechanism was identified in reviewed sources; the changes are targeted publication cleanups.

Outstanding Work / Open Questions

IANA Review is currently Version Changed - Review Needed after the new revision.

RFC Editor state remains Blocked: Reference Not Received.

WGLC is needed

No outstanding technical issues found in reviewed sources beyond pending review/status confirmations.

Detailed Change Breakdown: IANA Correction

Affected section: Section 11, IANA Considerations, CBOR Tag registrations.

Change: allocation text now says each tag's Data Item is a map with SUIE_Envelope or SUIE_Manifest semantics.

Before: wording described the Data Item as SUIE_Envelope / SUIE_Manifest directly.

Reason: An IANA comment had not been addressed; v37 corrects that comment.

Detailed Change Breakdown: CDDL Correction

Affected section: Appendix A, Full CDDL, SUIT_Rep_Policy reporting bits.

Change: suit-send-record-success/failure renamed to suit-send-record-on-success/failure.

Reason: v37 mail says the full CDDL was updated to match draft text.

Request source: Koen and Ken noted inconsistent reporting parameter names.