

cbor

2018-12-19 virtual interim

CDDL status

All COMMENTS should now be addressed in editor's copy.

One DISCUSS left (by Eric). Answered Eric's most recent mail in <https://mailarchive.ietf.org/arch/msg/cbor/8nj4r-9YKKHeilGdlxxggajXwuo>

One to do left from that mail:

— Paraphrase PEG so no normative reference is needed.

CDDL plan

In parallel:

- Write that PEG summary

Then:

- Submit cddl-07
- Get confirmation from Eric that the other items are covered (non-blocking)
- Clear the DISCUSS

CBORbis status

A number of issues and pull requests.
Thanks in particular to Jeffrey Yasskin.

Well-formed, valid

Note current text:

Generic decoders provide ways to present *well-formed* CBOR values, both *valid* and *invalid*, to an application. The diagnostic notation (Section 6) may be used to present well-formed CBOR values to humans.

New proposal: Rules for **validity** of Tags (#18)
(E.g., string in Tag 0 must conform to RFC 3339.)

Proposed new requirements:

1. An encoder **MUST** produce only **valid** items.
2. A decoder **MUST** stop and return an error with no data when it encounters an **ill-formed** item.

Number 2 is implied in the current text.
Number 1 is highly problematic.

Editorial considerations

- do we need mirror terms ill-formed, invalid?
- be clear about the component that we place a mandate on; avoid term "parser" except in its general sense

Editorial improvements

E.g., make rules for Simple values more redundantly clear

Technical work

Decide on base64(url) padding bikeshed

Boundaries between basic types and types extended by tags,
e.g.:

Explain that $2(h'')$ is not a preferred serialization of anything

Work outside the draft

Work on test vectors (in particular: failing ones)