Time-tag

— draft-ietf-cbor-time-tag

Passed short final WG last call
Interface to SEDATE is stable, can decouple now
Needs writeup, Shepherd: Barry Leiba
(One small editorial still discussed, can do in IETF call)

➔ ship it RSN
CBOR-Packed

— draft-ietf-cbor-packed

Passed WG last call in 2022
• Reference tags pretty stable
Implementation and use experience ➔ table setup updates in -09:
• two table setup tags (113 = common, 1113 = split setup)
• discuss unpopulated table entries during unpacking.

Use case draft-lenders-dns-cbor; other implementation experience?

— draft-amsuess-cbor-packed-by-reference
CBOR-associated languages

— **CBOR** = representation and interchange format (binary, concise, efficient)
  — low-level visualization in text as **cbor-pretty** (hex with comments)

Two associated textual languages:

— **EDN** (cbor-diag) ➔ examples, diagnostics
  — Text form for single **instance** (item/sequence), convert back and forth (**cbor.me**)
  — Derived from **JSON**, made more useful for humans, added binary, tags, ...

— **CDDL** ➔ specification, validation
  — Describe specific data **model** (grammar)
  — Inspired by **ABNF**, can describe JSON, CBOR, CSV*
Diagnostic Notation (EDN)

— draft-ietf-cbor-edn-literals

Originally: Define EDN literals
–00: WG adopted (2023-06-14)
–01: added ABNF for EDN (2023-07-10)
–02: added informative appendix on EDN vs. CDDL (2023-07-23)
other work?

Text needs review
ABNF needs implementation
➔ get a few reviews next
CDDL 1.1 + 2 mid-2023 pack (standards track)

— draft-ietf-cbor-update-8610-grammar: 2023-06-17
  Empty files (enabling CDDL 2), non-literal tags, errata fixes

— draft-ietf-cbor-cddl-more-control: 2023-06-14
  Additional control operators, another iteration like RFC 9165

— draft-ietf-cbor-cddl-modules: 2023-06-17
  (implemented in cddlc for import/include)

All three implemented in cddlc
Need application in spec work, review and more implementation ➔ get a few reviews next
New documents on deterministic encoding

— CBOR deterministic encoding defined by RFC 8949
draft-bormann-cbor-det: 2023-07-23
Informational document ("backgrounder")

— "dCBOR" numeric reduction without restatements:
draft-bormann-cbor-dcbor: 2023-07-23
dCBOR generic data model w/numeric types collapsed,
also request deterministic representation choice

Are these useful?
➔ Get initial reviews
Other active work

Technical:

— draft-lenders-dns-cbor ("Customer" for CBOR-packed)
— draft-bormann-cbor-cddl-csv (CDDL for CSV)
— draft-bormann-cbor-rfc-cddl-models: 2023-02-25

Process:

— draft-bormann-cbor-draft-draft-numbers: 2023-03-13