Not this time:

— draft-ietf-cbor-time-tag → "ship it RSN"
  Passed short final WG last call
  Interface to SEDATE is stable, can decouple now
  Writeup in progress, Shepherd: Barry Leiba

— draft-ietf-cbor-packed
  (Further validation by implementation;
   use case dns-cbor.)
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
➔ work on GitHub issues raised
➔ get a few reviews next
Open floodgates for JSON-transcending features:

— #8: Comment syntax: Probably not /*** ... ***/
  Add end-of-line comments instead?  # ; //
  Both # and ; have been seen in the wild
  // would be like JS (via C++), clashes with / syntax

— #5: enable trailing commas (PR#10): much-requested

Maintenance: #7 hex floating point; PR#4, PR#9 ABNF fixes
Editorial: #6 document NR1 ➔ int vs. NR2/3 ➔ float
New documents on deterministic encoding

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

— CDE common CBOR deterministic encoding profile
"dCBOR" numeric reduction without restatements:
draft-bormann-cbor-dcbor: 2023-07-23...2023-08-23

— dCBOR: draft-mcnally-deterministic-cbor and
D-CBOR: draft-rundgren-deterministic-cbor
A layer model

Split "deterministic serialization" into:

— Common CBOR Deterministic Encoding Profile (CDE)
  concerned with mapping: bytes ↔ data items at data model level

— Domain D.E. Profiles
  concerned with mapping: data items at different data model levels
  (generic CBOR ↔ domain specific)
Domain profile, CDE encoding profile

Example Domain Profile: dCBOR

— excludes $-10^{19}$ and undefined
— reduces 4.0 to 4
(in range $[-2^{63}..2^{64}-1]$)

Common: CDE (Section 4.1.1 +)

— selects preferred encoding
— no indefinite length
— defined map ordering

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Objectives

Facilitate wider use of deterministic serialization:

— Use CDE as a common set of encoding decisions (small tweaks to RFC 8949 Section 4.2.1: "core deterministic encoding requirements")
Can implement in a generic encoder/decoder

— Enable the creation of multiple simple domain profiles (no restatement anti-pattern)
dCBOR as the first instance (could also use D-CBOR)
Document slate

Backgrounder **draft-bormann-cbor-det** probably useful (informational, needs work now)

CDE part of **draft-bormann-cbor-dcbor** (should be standards track)

Domain profile part of **draft-bormann-cbor-dcbor** (should be _??_)

Absorb -mcnally/-rundgren documents? Split?
Technical issues (CDE > core d.e. requirements)

— Clarify the mt0/1 ➔ tag 2/3 transition
— Possibly do work on a tag 5 integration?
— Maybe do a bit more work on NaN and their payloads