Agenda

[x]CDDL

Run through CBORbis issues

https://github.com/cbor-wg/CBORbis/issues
https://github.com/cbor-wg/CBORbis/commits/master

Tag validity (re #18)

IANA cons cons

cbor-seq

Tag validity

Food for thought:

https://github.com/cbor-wg/array-tags/issues/1

proposed a tag that can "return" an array.

This should be "valid" in all positions in which an array is currently valid.

How do we handle this in tag validity?

IANA Considerations Considerations for CBORbis

CBOR IANA Considerations

(application/cbor, ct 60)

Simple Values registry (not yet exercised)

Tags Registry

Original Objectives

Low thresholds for registration
Involve the community

Make good numbers available to the community
Keep only the really good numbers under close control

What actually happened

IANA ran the Tags space as "Expert Review" inadvertently

That worked reasonably well
(Except that the DE was a bit slow :-/)
Lots of free consulting by DE

After five years, there is still room
(except in 1+0-byte space)

Objectives for revision

Tighten up spaces that are too vulnerable

Stay reasonably low threshold

Allow the DE to do some nudging towards a good outcome:
• Specifications are available
• Tag definitions are "good"

Simple value space

	left	7049	CBORbis?
1+0	20	Standards Action	Standards Action
1+1	224	Specification Required	SR+

The added Designated Expert instructions for SR+ might give the Expert
more leeway to conserve the space.

Tag space

	left	7049	CBORbis?
1+0	12/24	Standards Action	Standards Action
1+1	202/224	Specification Required	SR+
1+2	65263/65280	FCFS	ER–
1+4	4Gi–64Ki – 1	FCFS	FCFS
1+8	all 16Ei–4Gi	FCFS	FCFS

New policy-lets

SR+: Designated Expert instructions might give the Expert stronger leeway to conserve the space.

ER– (~ sanity check) might provide some nudging for a basic specification, but encourage liberal assignment.

FCFS might need some rate limiting?

Circuit breakers?

— if ≥ 50 % of a space is allocated

— if ≥ 10 % is allocated within a month

the rules might automatically change **before** that last allocation takes place.

CBOR sequences

draft-bormann-cbor-sequence-00

Port json-seq to CBOR

— application/cbor-seq

    — Content-Format TBD63

— application/foo+cbor-seq

Different from json-seq:

— less processing (no RS boundaries, no closing LF)

— no increase in robustness by skipping malformed entries