IPN URI Allocators

• IPN URI Scheme defines up to $2^{32}$ “Allocators”
  • Each allocator can allocate $2^{32}$ IPN Node Numbers.
  • Each allocator has a unique ID
  • <Allocator ID>.<Node Number> uniquely identifies a node.
    • Example: Allocator ID 7, Node Number 3, Service 1
      • ipn:7.3.1

• IPN URI Update defines an Allocator ID Registry
  • Supports single-item registrations (Give me Allocator ID 7)
  • Supports range of registrations (Give me block X..Y)

• Governance of this registry is governance of Allocators
  • How do we decide who is an “allocator”?
  • How do we decide what is a reasonable range to allocate?
Managing the Allocator Id Registry

Plan A: IANA manages registry with Expert Review with IESG appeal as needed (default).

Plan B: IANA manages registry with IESG directly using expert support when needed.

Always: IANA provides allocator ID ranges to recognized organizations for their own distribution.
WG Concerns

- Who decides who gets the “small encodings”?
  - Allocator IDs are CBOR encoded (small number of small encodings).
- Who decides who gets ranges? What size range?

IANA

- Fair and transparent process.
- Avoid “land grabs”.
- Allow new players.
- Avoid bias.
- Apply rules consistently.
- Justify large range requests.

Allocate ID Registry

Individual ID

Range of IDs

Range of IDs
Proposed Plan

- Can “Expert Review” meet these criteria (with IESG oversight)?
  - Plan A/B discussed prior
- **Scheduling discussion with IESG**
  - Mid-August.
- **Already engaging with IANA.**
  - Requested hold on CBHE Node Number Registry
- **Does this address concerns?**
  - Open discussion