

IPN URI Allocators

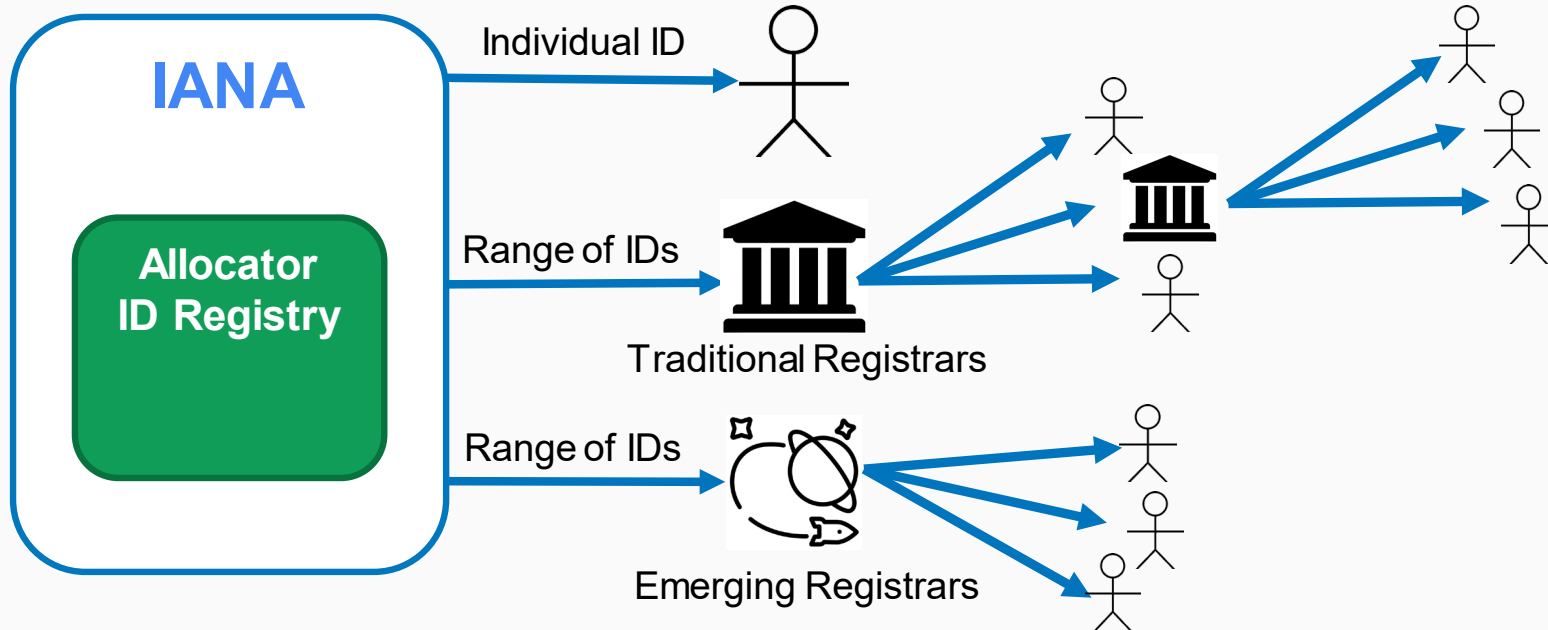
- **IPN URI Scheme defines up to 2^{32} “Allocators”**
 - Each allocator can allocate 2^{32} IPN Node Numbers.
 - Each allocator has a unique ID
 - `<Allocator ID>.<Node Number>` uniquely identifies a node.
 - Example: Allocator ID 7, Node Number 3, Service 1
 - `ipn:7.3.1`
- **IPN URI Update defines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

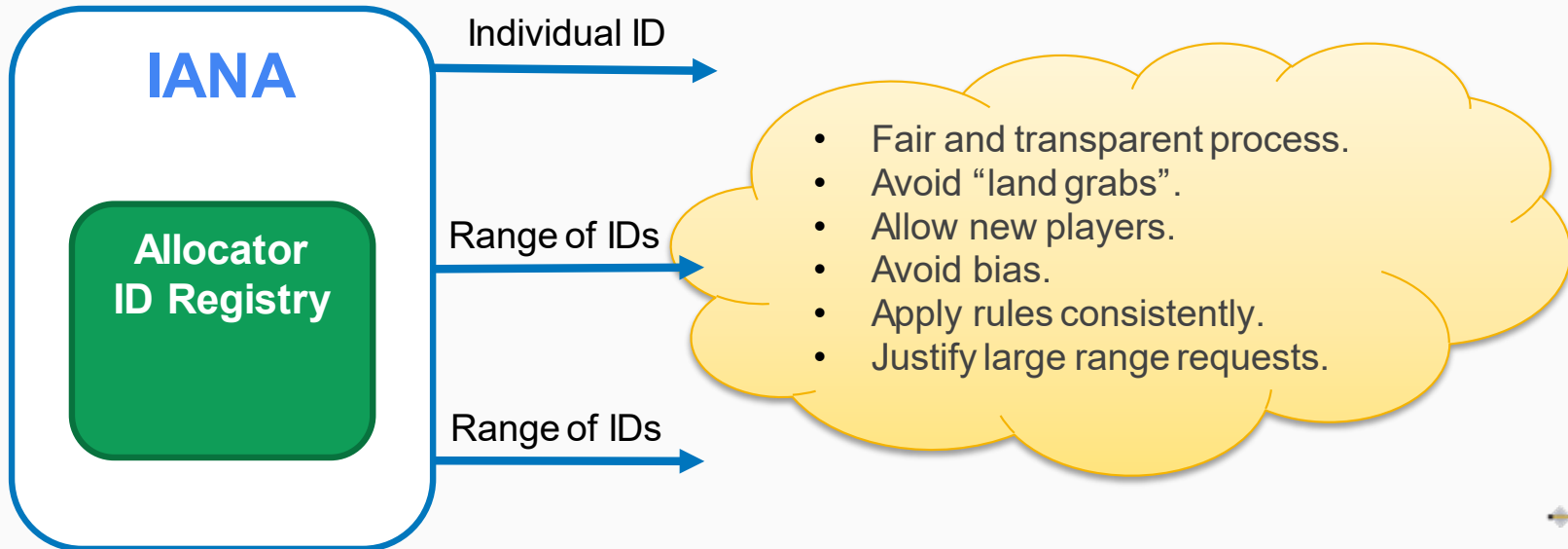
Plan B: IANA manages registry with IESG directly using expert support when needed.

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?**



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