BGP Registries

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draft-hares-idr-bgp-registries-01
Proposal

• Problem: Squatting on Attributes, errors in allocation.

• Possible Solutions:
  1. Deprecate squatted on attributes + Public shaming
  2. Tooling to check drafts for attributes
  3. Quicker Early Allocations
  4. Go to FCFS – First Come
  5. Better reviews for Early Allocation + WG LC + IETF LC
Better reviews for early allocation + WG LC

Choice 1: Send All through IDR WG

**Choice 2:** Send all through Expert Review of WG chairs for BGP Working Groups (BESS, IDR, GROW, SIDROPS)

Choice 3: Designated experts
How does it work

• IETF Standard $\rightarrow$ IETF Standards + Expert Review
  – WG Chairs are designed experts
  – 2 weeks (along with IETF LC)
  – No review of document from own BGP WG
  – IETF Consensus trumps Expert review

• Add to BGP Registries
In the meantime

• draft-evens-grow-bmp-adj-rib-out-00
  – Tom Petch - Squats on 4 attributes
  – John Scudder – works on getting new draft

• bgp-extended-communities
  – Jeff Haas reported contradictory descriptions in IANA allocation
Registries

• From standard action:
  – Message Types, BGP Path Attributes,
  – BGP Error (Notification) codes, BGP Error subcodes, Open Message Errors subcodes, Update Message Error subcodes, BGP FSM error codes subcodes, BGP CEASE NOTIFICATION subcodes, ROUTE-REFRESH subcodes,
  – ORF Filtering types
  – BGP Tunnel Encapsulations Attribute SubTLVs
  – Route Refresh Subcodes (codes 1-127)
Registries

• Standards review (continue)
  – AIGP Attribute
  – P-Multicast Service Interface Tunnel (PMSI) Attribute Flags,
  – BGP MCAST-VPN Route Types

• IETF Review
  – BGP Open Optional Parameter types
  – P-Multicast Service Interface Tunnel (PMSI) Tunnel Types
Expert Review

• BGP Layer 2 Encapsulation Types
• BGP Layer 2 TLV Types