IDR at IETF 83

Chairs slides
Note Well

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Agenda

• Administrivia - Chairs [10 minutes]
• BGP Operational - David Freedman [10 minutes]
• Revised Validation Procedure for BGP Flow Specs. - David Smith [10 minutes]
• North-Bound Distribution of Link-State & TE Info. using BGP - Hannes Gredler [10 minutes]
• Loop-Free BGP FRR using Repair Label - Ahmed Bashandy [10 minutes]
• Scalable BGP FRR Protection against Edge Node Failure - Bashandy [10 minutes]
• Multicast Geo-Distribution Control - Jeff Haas [10 minutes]
• BGP Persistence - Bruno Decraene [15 minutes]
• BGP attribute for QoS SLA advertisement - Shitanshu Shah [10 minutes]
• BGP Operational - David Freedman [10 minutes]
• Update on BGP convergence from BMWG group - Rajiv Papneja [10 minutes]
• Collaboration SIDR and IDR WG – Sandy Murphy [10 minutes]
• Route Leaks (SIDR) - Brian Dickson [20 minutes]

Speaker shuffling time 10 minutes: Total 160 minutes (2 hours 20 minutes)
Status - outgoing

• Published RFCs
  – RFC 6472: Recommendation for Not Using AS_SET and AS_CONFED_SET in BGP

• RFC Editor’s queue
  – draft-ietf-idr-fsm-subcode-03

• AD discussions (standards/informational)
  – draft-ietf-idr-bgp-bestpath-selection-criteria-05
  – Draft-ietf-idr-mrai-dep
Status – Incoming

• draft-ietf-idr-operational-message-00
• draft-ietf-idr-rfd-usage-00
Looking for implementations

- draft-ietf-idr-bgp-multisession-06
- draft-ietf-idr-aigp-07
- draft-ietf-idr-bgp-enhanced-route-refresh-01
- draft-ietf-idr-bgp-ipv6-rt-constrain-01
- draft-ietf-idr-bgp-optimal-route-reflection-02
- Draft-ietf-idr-bgp-mibv2-13
- draft-ietf-idr-dynamic-cap-14
- draft-ietf-idr-as4octet-extcomm-generic-subtype-05
- Draft-ietf-idr-bgp-enhanced-route-refresh-01
Looking for implementations (2)

- draft-ietf-idr-ext-opt-param-02
- Draft-ietf-idr-flow-spec-v6-02
- draft-ietf-idr-legacy-rtc-00
- Draft-ietf-idr-link-bandwidth-02
- draft-ietf-idr-rfc4893bis-04
- draft-ietf-idr-rfc4760bis-03
Status Error Handling

Key draft by Grow WG:
• draft-error-handling-01

Other documents:
• draft-idr-as0-03 – passed WGLC
• Draft-idr-bgp-extended-messages
• Draft-idr-operational-message-00
NM - MIBS

• Draft-ietf-idr-bgp-mibv2-13 –
  – Heading for Last call (see messages)

• Draft-ietf-idr-bgp-mibv2-tc-mib-03
  – Will be coming
Status Graceful Restart

• Graceful Restart Respin started

• Goal:
  – Clarify operational modes (helper, managed, headless),
  – Fix bugs, clarify language

• Related drafts
  – Draft-idr-bgp-gr-notification-00
  – Draft-idr-enhanced-gr-00
BGP Paths & Path Selection

- Draft-idr-add-paths-06
- Draft-idr-paths-guidelines-01
- Best-path-external-05 – WGLC not passed
- Idr-bgp-nh-cost-00
- draft-ietf-idr-custom-decision
Servers (adopted)

- Draft-jasinska-ix-bgp-route-server-03 –
  - Adopted: draft-ietf-ix-bgp-route-server-03
- Draft-hilliard-ix-bgp-route-server-operations-00
  - Putting it to grow as OPS area BCP
Upgrades

Need implementations for these upgrade drafts:

• Draft-ietf-idr-as4octet-extcomm-generic-subtype-05
• Draft-ietf-idr-bgp-enhanced-route-refresh-01

BIS-es

• draft-ietf-idr-rfc4893bis-04 (4 octet AS Number)
• draft-ietf-idr-rfc4760bis-03 (MP-BGP)
Q & A