

# IETF 115 IDR

IETF 115 (London & Online) – November 2022

## **WG Chairs:**

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## **Secretary :**

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**This session is being recorded**

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)



# Meeting Information

- **Blue Sheet**
  - Blue sheets will be automatically generated when you login into the Meetecho
- **Minutes Taking:**
  - <https://notes.ietf.org/notes-ietf-115-idr>
- **IDR Session Agenda at:**
  - <https://datatracker.ietf.org/doc/agenda-115-idr>
- **Materials/Slides at:**
  - <https://datatracker.ietf.org/meeting/115/session/idr>
- **Data Tracker:**
  - <http://datatracker.ietf.org/wg/idr>
- **IDR WG Wiki:**
  - <https://trac.ietf.org/trac/idr/wiki>
- **IDR WG Github:**
  - <https://github.com/ietf-wg-idr/drafts>

Bashing Agenda

Document Status on Wiki

# IDR Interim held on Oct 13 2022

- CAR/DT Discussion
  - Update on Car progress report - Forum 3 report: on IDR wiki
  - Interoperability Procedures for BGP Routes with Color (draft-haas-idr-bgp-diffract) – adopted as drat-ietf-idr-bgp-diffract
- Next Hop Discussion
  - draft-ietf-idr-entropy-label-01
  - draft-ietf-idr-bgp-attribute-announcement
  - draft-kaliraj-idr-multinexthop-attribute-03 - LSVR drafts with BGP next hop changes
  - BESS drafts with BGP next hop changes - call for input

# IDR Current Draft Status

## Adopted drafts (announced at 10/13 interim)

- draft-ietf-idr-ts-flowspec-srv6-policy
- draft-ietf-bgp-entropy-label-01
- draft-spaghetti-deprecate-8-9-10-01

## Adopted since 10/13

- draft-haas-idr-diffract-00 (11/5)
- draft-dunbar-idr-5g-edge-service-metadat-02 – on hold IETF-115 CAN BOF

## Not adopted:

- draft-wang-idr-vpn-prefix-orf-04

## Drafts still in Adoption process

- draft-dong-idr-node-target-ext-comm-05 (Chairs review)

## Next steps on Adopted drafts

- AD review of status, WG LC
- Implementations
- Draft-spaghetti-deprecate-8-9-10 – contained in existing RFC (9234)

# Major Work Items

- BGP-Auto-configuration - DC drafts to ISE/drop, Non-DC?
- BGP-FS -
  - FSv1: Need revised drafts (path-redirect, interfaceset) or drop?
  - FSv2: New drafts should target
- Color/Intent -
  - CAR/CT - Awaiting authors resolution of issues
  - Interop CAR/CT (diffract) – adopted as WG
  - draft-wang-idr-cpr-0 – adoption pending
- NextHop – Working started at 10/13 interim
- Clean-up – Drafts older than 10 years or 5 years?

Details at end of slides

# Agenda

- Agenda bashing and Chairs' Slides (10 mins)
- Distribution of TE Policies using BGP-LS (10 mins)
- BGP YANG Model for Service Provider Networks (10 mins)
- Deprecation of AS\_SET in BGP (10 mins)
- BGP Extension for 5G Edge Service Metadata (10 mins)
- GP SR Policy Extensions for metric (10 mins)
- Connecting IPv4 Islands over IPv6 Core (4PE) (5 mins)
- BGP Flowspec for IETF Network Slice Traffic Steering (9 mins)
- Problem statement of IDR Traffic Redirection Risks (9 mins)
- BGP for Mirror Binding (9 mins)
- Extended Communities Derived from Route Targets (9 mins)
- BGP MultiNextHop Attribute (14 mins)

Speaker Shuffling Time/Buffer: 5 minutes Total Time: 120 minutes

# Details on Major Work Items



# Major work – BGP Auto-config

		Drafts to WG LC	WG adoption	Implemented	Publication
BGP Auto-Config	DC	<a href="#">draft-ietf-idr-bgp-autoconf-considerations-02</a>	Adopted	n/a	? IDR
	DC	draft-acee-idr-lldp-peer-discovery draft-minto-idr-bgp-autodiscovery draft-ymbk-idr-l3dn draft-ymbk-idr-l3dn-ulpc	Not adopted By IDR	TBD	ISE
	DC lsvr	draft-ietf-lsvr-l3dl draft-ietf-lsvr-l3dl-uplc	No adopted by IDR	Yes	No – LSVR draft
	Non-DC	Requirements?	Shall we start?	n/a	?
	Non-DC	draft-acee-ospf-bgp-rr draft-raszuk-idr-bgp-auto-discovery	?	?	?

# Major Work – Flow Specification

FS work	Drafts to WG LC	WG LC	Implemented	Update required
FSv1	draft-ietf-idr-flowspec-redirect-ip-03 draft-ietf-idr-ts-flowspec-srv6-policy draft-ietf-idr-path-redirect draft-ietf-idr-flowspec-interfaceset-05	Pending Pending TBD TBD	Yes Yes – Info draft Maybe Maybe	In process No Y: expired Y: expired
FSv2 IDR	draft-ietf-idr-flowspec-v2-01 draft-ietf-idr-flowspec-srv6 draft-ietf-idr-flowspec-l2vpn draft-ietf-idr-flowspec-nv03 draft-ietf-idr-flowspec-mpls-match draft-ietf-idr-flowspec-label	TBD TBD TBD TBD In FSv2 In FSv2	No: starting TBD No No n/a n/a	- TBD In review In review EOL EOL
	Individual drafts	Adopt		
FS – ID	draft-dong-idr-flowspec-network-slice-ts draft-wang-idr-flowspec-dip-origin-as-filter draft-dmc-flowspec-tn-aware-mobility draft-ietf0-idr-srv6-flowspec-path-redirect		Filter Community Community Filter	FSv2 Filter FSv2 Filter FSv2 action FSv2 Action

# Major Work – Color/Intent

Intent/ Color	Drafts to WG LC	WG LC	Implemented	Update required (github)
IDR drafts	draft-ietf-idr-car-00 draft-ietf-idr-ct-00 Draft-ietf-idr-diffract-00	TBD TBD TBD	Yes Yes TBD	Needs resolution of issues Needs resolution of issues Jeff Haas – will open github
IDR ID	draft-wang-idr-cpr	TBD	Yes (partial?)	WG Adoption call pending

# Major Work – Next Hop

BESS Chairs asked IDR Chairs to look at Next Hop

	Drafts to WG LC	Implementation	Update required
IDR drafts	draft-ietf-idr-entropy-label-01 draft-ietf-idr-bgp-attribute-announcement	TBD TBD	
IDR IDs	draft-kaliraj-idr-multinexthop-attribute-03		
BESS drafts	EVPN IPVPN MPVPN	Yes	Need review of drafts to determine
LSVR	LSVR IBGP Next Hops	Yes	