



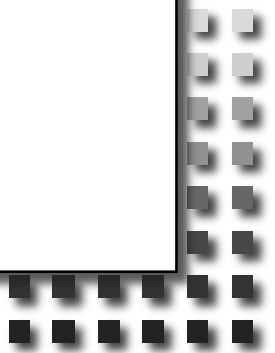
# **IDR**

**IETF-101**

**London**

**Monday, March 19, 2018**

**15:50 – 17:20**





# Note Well

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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)



**I E T F**



## **MD5 “flag out” for LDP draft-nsdag-mpls-deprecate-md5**

**LDP currently uses TCP MD5 for authentication, which is no longer considered secure (see RFC 5925)**

**Looking at TCP-AO + a yet TBD cryptographic mechanism as replacement**

**Protocols and working groups that we’d like to coordinate with**

**BGP, MSDP, and PCEP**

**IDR, PIM, PCE, BESS, RTGWG, PALS and MPLS**

**Asks for guidance from Security Area**

**Discussion takes place in the MPLS wg on Thursday morning.**

 **Hallway discussions welcome!**

**I E T F**



# Code Point Allocations

**FCFS is very nice**

**Especially because it removes most of the  
bottlenecks**

**Note this is only true if your FCFS request is  
uncomplicated**

**Requesting a specific, out-of-sequence code point  
moves you to the exception path (jitter, latency,  
etc)**



# Code Point Allocations

**Being unclear in your request also generates exceptions**

**RFC 8126 “Guidelines for Writing an IANA Considerations Section in RFCs” is your friend**

**If intimidated by page count, jump to Section 1.3, “A Quick Checklist”**

**Moral of the story:**

**be clear**

**request early, request often**



# Early allocations

**draft-ietf-idr-eag-distribution-05**

**IANA section needs update, then to AD and IANA**



# WGLCs

draft-ietf-idr-bgp-ls-segment-routing-ext-04 (ends this Wednesday)

Good support on list so far, some discussion about semantic validation of TLVs.

draft-ietf-idr-te-pm-bgp (requested, will start tomorrow)

draft-ietf-idr-bgp-extended-messages

Active discussion; inconclusive. Chairs will wrangle, expect another WGLC (or continuation of it)

# **draft-ietf-idr-bgp-prefix-sid-17**

**Previous version was last called, sent to IESG.  
Returned to WG with comments.**

**Subsequent to list discussion, -17 makes several  
changes, most of which were discussed (removes  
IPv6 SID) or are clearly editorial.**

**One normative change was made following  
discussion, but doesn't seem to have been  
flagged to the group:**



# draft-ietf-idr-bgp-prefix-sid-17

-16:

If multiple different prefixes are received with the same label index, ~~either all or all but one of the different prefixes MUST have their BGP Prefix-SID attribute considered as "conflicting". If one of the different prefixes is considered "acceptable", it is RECOMMENDED that the first prefix using the label index is selected.~~

-17:

If multiple different prefixes are received with the same label index, all of the different prefixes MUST have their BGP Prefix-SID attribute considered as "conflicting".

**FYI and discussion.**

**Has anyone implemented the “or all but one” clause?**



# Post-WGLC

**draft-ietf-idr-bgp-gr-notification-13**

**draft-ietf-idr-tunnel-encaps-09**

**draft-ietf-idr-rfc5575bis-06**

**draft-ietf-idr-bgppls-segment-routing-epe-15**

**draft-ietf-idr-bgp-ls-node-admin-tag-extension-03**

**draft-ietf-idr-bgp-optimal-route-reflection-15**

**awaiting revision or reply**