

IDR

IETF-101

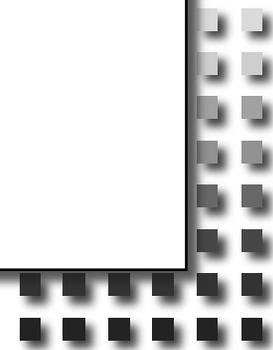
London

Monday, March 19, 2018

15:50 – 17:20



I E T F





Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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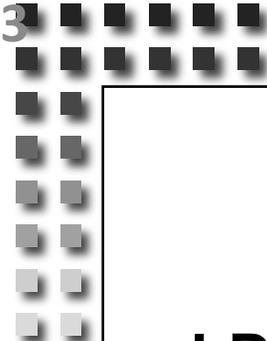
Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- 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)



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**MD5 “flag out” for LDP
draft-nslag-mpls-depreccate-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

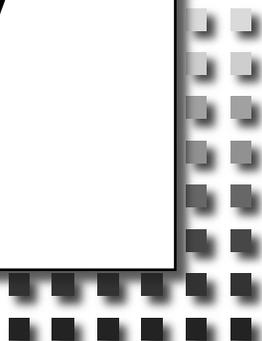
IDR, PIM, PCE, BESS, RTGWG, PALS and MPLS

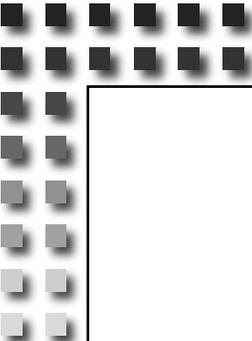
Asks for guidance from Security Area

Discussion takes place in the MPLS wg on Thursday morning.

 **Hallway discussions welcome!**

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Code Point Allocations

FCFS is very nice

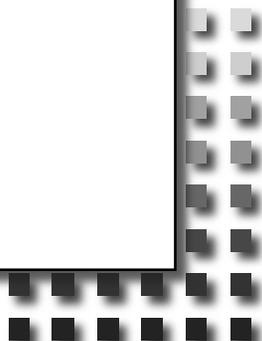
**Especially because it removes most of the
bottlenecks**

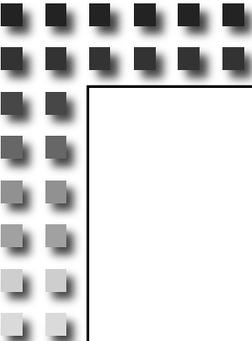
**Note this is only true if your FCFS request is
uncomplicated**

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



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Code Point Allocations

Being unclear in your request also generates exceptions

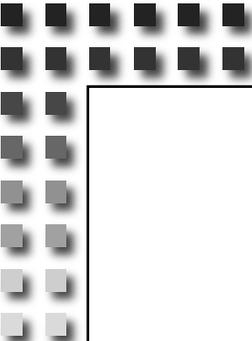
RFC 8126 “Guidelines for Writing an IANA Considerations Section in RFCs” is your friend

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.

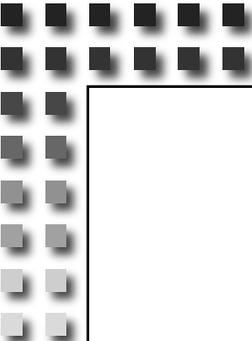
draft-ietf-idr-te-pm-bgp (requested, will start tomorrow)

draft-ietf-idr-bgp-extended-messages

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



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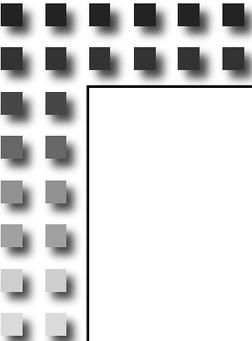


draft-ietf-idr-bgp-prefix-sid-17

**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:

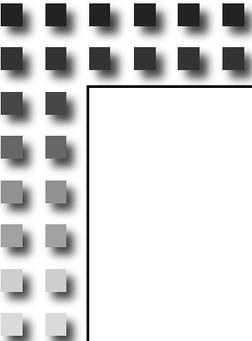
If multiple different prefixes are received with the same label index, ~~either all or all but one of the different prefixes MUST have their BGP Prefix-SID attribute considered as "conflicting". If one of the different prefixes is considered "acceptable", it is RECOMMENDED that the first prefix using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