

# Path Computation Element (PCE) WG Status

IETF 108 - Online  
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# 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**

# Administrivia

- Minute taker(s), jabber scribe(s)
- Meetecho Etiquette
  - Join the queue if you would like to speak/present
    - Do not send audio directly
  - Please state your name before speaking
  - Be mindful of the agenda time
    - Longer discussion on mailing list (or jabber)
- Collaborative minutes
  - <https://codimd.ietf.org/notes-ietf-108-pce?both>

# Using the Mailing List

- Please use the mailing list actively to discuss all working group business
- Open issues with drafts should be discussed on the list, and conclusions reported to the list
- New drafts should be introduced to the working group first on the mailing list, to gauge interest
- Working group consensus is determined from the mailing list
- Priority in meetings is given to drafts that have been discussed on the list

# Please be Vocal

- During WG Adoption and WG LC calls, the response is less.
- Please be vocal on the list to help us gauge the consensus better.
- The working group mailing lists are looked at by the IESG, IAB, and others (internal and external to IETF) to determine interest/participation level in our standards process.
- Please review ideas from your peers, these are community outputs of the working group as a whole.

# Using the Wiki

- A way to give you visibility as the document progress through the WG
  - adoption queue
  - WG LC queue
  - balancing work between chairs
  - shepherding responsibilities
  - pending actions
  - IPR polls
- Use this wiki
  - make sure this is up to date!
- <https://trac.ietf.org/trac/pce/wiki/WikiStart>

# Early Codepoint Allocation

- If you have an implementation of a WG I-D
  - that requires inter-operation with other implementations
    - Please request for early IANA codepoint allocation
  - Make sure to include an Implementation Status section in your I-D
  - Make sure the IANA section is correct and complete
    - And meets the condition set out in RFC 7120

# Agenda Bashing

## 1. Introduction

- 1.1 Administrivia, Agenda Bashing (chairs, 5 min)
- 1.2 WG Status (chairs, 10 min) [15/100]
- 1.3 State of WG I-Ds and next steps (chairs, 10 min) [25/100]

## 2. Segment Routing

- 2.1 SR Bidirectional (Rakesh, 10 min) [35/100]  
draft-ietf-pce-sr-bidir-path-02
- 2.2 Multipath ERO (Mike Koldychev, 10 min) [45/100]  
draft-koldychev-pce-multipath-03
- 2.3 Entropy (Quan, 10 min) [55/100]  
draft-peng-pce-entropy-label-position-03
- 2.4 SRv6-Yang (Luc-Fabrice/Shuping, 10 mins) [65/100]  
draft-li-pce-pcep-srv6-yang-01

- 2.5 IFIT (Giuseppe, 5 mins) [70/100]  
draft-chen-pce-sr-policy-ifit-02

## 3. Stateful PCE

- 3.1 Local Protection Enforcement (Andrew, 10 mins) [80/100]  
draft-stone-pce-local-protection-enforcement-01
- 3.2 Extended LSP Flag (Quan, 10 min) [90/100]  
draft-xiong-pce-lsp-flag-02
- 3.3 Path MTU (Shuping, 10 mins) [100/100]  
draft-li-pce-pcep-pmtu-01

## 4. If time permits

- 4.1 SR Path Ingress Protection (Huaimo, 10 mins) [110/100]  
draft-chen-pce-sr-ingress-protection-03



WG Status

# Beyond the WG

- 11 new RFC since IETF 106 (Singapore)
  - RFC 8780 - draft-ietf-pce-wson-rwa-ext
  - RFC 8779 - draft-ietf-pce-gmpls-pcep-extensions
  - RFC 8786 - draft-ietf-pce-stateful-flags
  - RFC 8751 - draft-ietf-pce-stateful-hpce
  - RFC 8745 - draft-ietf-pce-stateful-path-protection
  - RFC 8741 - draft-ietf-pce-lsp-control-request
  - RFC 8733 - draft-ietf-pce-stateful-pce-auto-bandwidth
  - RFC 8697 - draft-ietf-pce-association-group
  - RFC 8694 - draft-ietf-pce-inter-area-as-applicability
  - RFC 8685 - draft-ietf-pce-hierarchy-extensions
  - RFC 8664 - draft-ietf-pce-segment-routing
- *Thanks to everyone who contributed – authors, shepherd, reviewers, AD...*

# Beyond the WG

- Documents in RFC editor queue
  - draft-ietf-pce-association-diversity (AUTH48)
- Drafts with the IESG
  - draft-ietf-pce-stateful-pce-lsp-scheduling (DISCUSS)
  - draft-ietf-pce-pcep-flowspec
    - Authors found an issue with L2 flow specification's BGP registry and have posted an update to this I-D for feedback on the mailing list
- Early codepoint allocations
  - draft-ietf-pce-association-policy (Expires 2021-05)

# Beyond the WG

- Errata (all for RFC 8231)
  - 5796 Technical Errata by Hillol (Held for Document Update)
  - 5970 Technical Errata by Subham Burnwal (Verified)
  - 6012 Editorial Errata by Dhruv Dhody (Verified)
  - 6231 Technical Errata by Dhruv Dhody (Reported)
    - Chairs' opinion - should be accepted (companion to 5970)

# Liaisons and Communications

- ITU-T-SG-15 – LS
  - To CCAMP, MPLS, PALS, PCE, TEAS
  - Scott Mansfield is coordinating across WGs
  - Reply to LS on OTNT Standardization Work Plan
    - Sent on 2020-01-14
    - URL of the IETF Web page: <https://datatracker.ietf.org/liaison/1669/>
  - LS on OTNT Standardization Work Plan **Issue 27**
    - Received on 2020-02-19
    - URL of the IETF Web page: <https://datatracker.ietf.org/liaison/1673/>
    - Reply by 2020-08-20

# Status of WG I-Ds & Next Steps

# WG LC Queue

- draft-ietf-pce-pcep-extension-for-pce-controller-06
  - Mainly editorial changes with one additional IANA request
  - Last update on 2020-07-13
- draft-ietf-pce-association-policy-11
  - New Implementation details added
  - Last update on 2020-06-23
- draft-ietf-pce-association-bidir-06
  - Clarification on the PLSP-ID Usage and the B flag in the SRP object
  - Last update on 2020-03-13

# WG documents “nearing” WG LC

- draft-ietf-pce-pcep-yang-14
  - TE yang dependencies are progressing
  - Dependency on draft-ietf-netconf-tls-client-server (used for PCEPS/TLS) is also making progress
  - Very early YANG Doctor review was done
    - should get it done again...
  - Made open-wait-timer & keep-wait-timer as read-only.
  - Last updated on 2020-07-07



# WG documents

- draft-ietf-pce-pcep-stateful-pce-gmpls
  - Was merged with draft-ietf-pce-remote-initiated-gmpls-lsp
  - Implementation Status is missing
  - Last updated on 2020-04-24 (version -13)
- draft-ietf-pce-pcep-extension-native-ip
  - Update (-05)
    - Encoding changes, new fields – ETTL, Peer Cookie etc
    - Editorial changes
- draft-ietf-pce-enhanced-errors
  - Update (-07)
    - Editorial changes

# WG documents

- draft-ietf-pce-flexible-grid
  - Update (-03)
    - Mainly editorial
- draft-ietf-pce-segment-routing-ipv6
  - Update (-06)
    - Clarification statement on the use of term LSP in PCEP in the context of SRv6
    - Renaming of a field in SRv6-ERO/SRv6-RRO
    - Other editorial changes

# WG documents

- draft-ietf-pce-binding-label-sid
  - Update (-03)
    - Update in the length of TE-PATH-BINDING TLV
    - Other editorial changes
- draft-ietf-pce-vn-association
  - Adopted after 105
  - Update (-02)
    - Mainly editorial changes
- draft-ietf-pce-sr-path-segment
  - Adopted after 105
  - Update (-01)
    - Mainly editorial changes

# Recent WG documents

- draft-ietf-pce-sr-bidir-path
  - On the agenda
- draft-ietf-pce-segment-routing-policy-cp
  - No update since adoption

# Adoption Poll Queue

- draft-zhao-pce-pcep-extension-pce-controller-sr
- draft-dugeon-pce-stateful-interdomain
- Other adoption request's are at -  
<https://trac.ietf.org/trac/pce/wiki#IndividualdocumentsthatautomaticallyconsiderreadyforWGAdoption>

Thanks & Stay Safe!