

06 Nov 2024

PCE WG @ IETF 121

This session is being recorded

Internet Engineering Task Force
© 2024 IETF Trust
Production by Meetecho



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.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

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)

Note Really Well

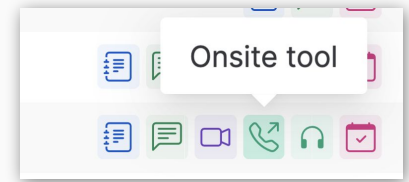
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

This session is being recorded

IETF 121 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the "Meetecho lite") client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Administrivia

- Minute taker(s)
 - Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-121-pce>
- Meetecho Etiquette
 - Join the common queue (onsite/remote) via meetecho
 - Do not send audio directly
 - Please state your name before speaking
 - Be mindful of the agenda time
 - Longer discussion on mailing list (or [zulip](#) chat)

Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WGLC, adoption, etc)!
 - *We are also requesting direct reviews from some WG participants, please continue to provide help*
- Use the WG wiki to track progress - <https://wiki.ietf.org/en/group/pce>
- Use the WG GitHub - <https://github.com/ietf-wg-pce>
- Request for early code point allocation when you are planning to interop!

Agenda Bashing

Introduction

- 1.1. Administrivia, Agenda Bashing
- 1.2. WG Status
- 1.3. State of WG I-Ds, open issues and next steps

Segment Routing

- 2.1 Circuit Style SR Policies
draft-ietf-pce-circuit-style-pcep-extensions
- 2.2 SRv6 Policy SID List Optimization
draft-ali-pce-srv6-policy-sid-list-optimization

Stateful PCE

- 3.1 Updating Open Message Content
draft-stone-pce-update-open
- 3.2 LSP State Reporting Extension
draft-sidor-pce-lsp-state-reporting-extensions

Others

- 4.1 Bounded Latency
draft-xiong-pce-detnet-bounded-latency
- 4.2 PCEP over QUIC
draft-yang-pce-pcep-over-quic

WG Status

Beyond the WG

- **2** new RFCs since IETF 120
 - **RFC9603** - PCEP for SRv6
 - **RFC9604** - BSID
- **2** I-Ds in the RFC Editor Queue
 - **draft-ietf-pce-pceps-tls13** (MISSREF)
 - Waiting for *draft-ietf-tls-rfc8446bis* (post WGLC)
 - **draft-ietf-pce-pcep-extension-native-ip** (MISSREF)
 - Waiting for draft-ietf-pce-iana-update (in IETF-LC)
- **5** I-Ds with the ADs
 - **draft-ietf-pce-stateful-pce-optional-10** (2024-04-16; on telechat; Roman)
 - **draft-ietf-pce-pcep-yang-26** (2024-05-22; AD Eval; Gunter)
 - **draft-ietf-pce-segment-routing-policy-cp-18** (2024-07-05; In IETF-LC; Roman)
 - **draft-ietf-pce-stateful-pce-vendor-10** (2024-08-28; on telechat; Roman)
 - **draft-ietf-pce-iana-update-02** (2024-10-07; IETF-LC done, waiting on AD; John)

Early IANA Allocation

- **draft-ietf-pce-segment-routing-policy-cp**
 - (1) Renewed and Expires 2025-03-30
 - (2) Expires 2025-02-13
- **draft-ietf-pce-pcep-extension-native-ip**
 - Renewed and Expires 2025-08-14
- **draft-ietf-pce-multipath**
 - Renewed and Expires 2025-05-09
- **draft-ietf-pce-sid-algo**
 - (1) Renewed and Expires 2025-09-13
 - (2) Expires 2025-07-30
- **draft-ietf-pce-pcep-color**
 - Expires 2024-10-30
 - Renewal in progress
- **draft-ietf-pce-sr-bidir-path**
 - Expires 2024-11-30
- **draft-ietf-pce-circuit-style-pcep-extensions**
 - Expires 2025-02-23
- **draft-ietf-pce-sr-p2mp-policy-09**
 - Expires 2025-08-27

Others

- Errata
 - **No** new Errata
- Liaison
 - **New** Liaison <https://datatracker.ietf.org/liaison/1963/>
 - From **ETSI-ISG-F5G**
 - To ccamp, pce, RTG, teas
 - regarding Optical Cloud Network (OCN) based on underlay Optical Transport Network (OTN) for F5G Advanced Architecture to improve and evolve the E2E optical fixed network architecture
 - <https://datatracker.ietf.org/liaison/1936/> is **pending**
 - From **ITU-T-SG-15**
 - To ccamp, mpls, pals, pce, teas
 - Requesting for updates to the material after Issue 34 of the OTNT SWP, the latest version updated by the SG15 during a plenary meeting in July 2024.
 - Deadline 2025-03-03

Status of WG I-Ds, Open Issues & Next Steps

Post WGLC

- **draft-ietf-pce-pcep-color**
 - -05 posted on 2024-10-21
 - Thanks Andrew for Shepherding this!
 - Applicable for both RSVP-TE and SR
 - Ignored in case of SR-Policy association
 - New Error codes
 - *Another version might be needed before pushing it off to the AD*

In queue for WGLC

- **draft-ietf-pce-flexible-grid**

- -10 posted on 2024-07-05
- There are pending comments and need for a cleanup!
- No update since last IETF meeting!

- **draft-ietf-pce-sr-bidir-path**

- -14 posted on 2024-08-11
 - A refresh
- Ready for WGLC!

- **draft-ietf-pce-state-sync**

- -09 posted on 2024-10-21
- Handled comments from Adrian
- Update needed, merge the proposed text from Dhruv for new notifications as discussed earlier!

- **draft-ietf-pce-sid-algo**

- -14 posted on 2024-09-25
- Ready for WGLC! - next in our queue!

- **draft-ietf-pce-pcep-extension-pce-controller-sr**

- -09 posted on 2024-07-04
- Ready for WGLC!

"Nearing" WGLC

- **draft-ietf-pce-sr-path-segment**

- -12 posted on 2024-10-14
- Allow the Path Segment TLV to be also included in Path Attributes Object for multi-path handling
- Nearing WGLC?
 - Has normative dependencies

- **draft-ietf-pce-circuit-style-pcep-extensions**

- -06 posted on 2024-09-03
- On the agenda

- **draft-ietf-pce-entropy-label-position**

- -02 posted on 2024-09-19
- Implementation section missing
 - *Otherwise, seems ready for WGLC!*

“Nearing” WGLC

- **draft-ietf-pce-pcep-ls**

- -02 posted on 2024-10-20
- Adrians comment on “experimental” status
 - A new subsection “Evaluation of the Experiment” added
- *Ready for WGLC?*

- **draft-ietf-pce-pcep-ifit**

- -05 posted on 2024-07-05
- Implementation section missing
 - *Otherwise, seems ready for WGLC!*

WG I-Ds

- **draft-ietf-pce-stateful-interdomain**

- -05 posted on 2024-07-05
- A major update made that needs review!

- **draft-ietf-pce-multipath**

- -12 posted on 2024-10-08
- Should the PCEP extension go beyond the SR Policy SPRING's SR Policy RFC?

- **draft-ietf-pce-sr-p2mp-policy**

- -09 posted on 2024-08-02
 - Update to IANA Consideration
- Comments from IETF 119/120 are not yet handled

- **draft-ietf-pce-pcep-l2-flowspec**

- -06 posted on 2024-06-19

WG I-Ds

- **draft-ietf-pce-pcep-pmtu**
 - -06 posted on 2024-07-08
 - No update
 - Waiting on Spring WG I-D
- **draft-ietf-pce-pcep-srv6-yang**
 - -06 posted on 2024-10-19
 - Aligned with PCEP YANG changes
- **draft-ietf-pce-pcep-extension-pce-controller-srv6**
 - -03 posted on 2024-08-18
 - Editorial changes
 - *Ready for WGLC?*
- **draft-ietf-pce-bier-te**
 - -01 posted on 2024-10-10
 - A major update made that needs review!

WG I-Ds

- **draft-ietf-pce-controlled-id-space**
 - -01 posted on 2024-10-21
 - During IETF 120 it was decided to continue to use Open message
 - A new draft (which is on the agenda) handles updates to Open message information
 - WG adoption comments are handled
 - Should there be separate TLV for SRGB and SRLB?
 - Authors: No, the SRGB and SRLB configurations of the node is done independently, it is advertised independently via IGP/BGP-LS. The label range that is set aside is orthogonal to it.

WG Adoption Poll Queue

- Refer to <https://wiki.ietf.org/en/group/pce#wg-adoption-call-queue>
 - draft-peng-pce-stateful-pce-autobw-update - Adoption poll started on 7th Oct 2024
 - Still open, be vocal, it is a small I-D!
 - draft-fizgeer-pce-pcep-bfd-paramters
 - draft-dhody-pce-pcep-extension-pce-controller-p2mp
 - draft-koldychev-pce-operational (*need to break into 2 drafts*) - expired
 - *Chairs would like to move the clarification informational I-D fast...*
 - draft-chen-pce-sr-mpls-sid-verification
 - draft-chen-pce-sr-ingress-protection - expired
 - draft-dong-pce-pcep-nrp
 - draft-wang-pce-vlan-based-traffic-forwarding

Thanks!

