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PCE WG @ IETF 123

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Internet Engineering Task Force
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- BCP 25 (Working Group processes)
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- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
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I E T F

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I E T F

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- 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-123-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 SR-Algorithm in PCEP

draft-ietf-pce-sid-algo

2.2 BSID Extensions

draft-sidor-pce-binding-label-sid-extensions

2.3 Topology Filter

draft-xpbs-pce-topology-filter

2.3 MSD Considerations

draft-ali-pce-sr-policy-msd-consideration

2.4 SRv6 SID List Optimization

draft-all-pce-srv6-policy-sid-list-optimization

Stateful PCE

3.1 Operational Clarification

draft-ietf-pce-operational

3.2 Amendments to Stateful PCEP

draft-many-pce-stateful-amendment

3.3 LSP State Reporting Extensions

draft-sidor-pce-lsp-state-reporting-extensions

3.4 Multipath TE Directed Acyclic Graph (MPTED) Tunnels

draft-beeram-pce-pcep-mpted

Others

4.1 Topology Filter

draft-xpbs-pce-topology-filter

4.2 Source Address Validation

draft-song-pce-pcep-sav

4.3 Precision Availability Metrics

draft-contreras-pce-pam

4.4 PCEP over QUIC

draft-yang-pce-pcep-over-quic

4.5 VLAN Forwarding

draft-wang-pce-vlan-based-traffic-forwarding

WG Status

Beyond the WG

- **2** new RFCs since IETF 122
  - **RFC 9753**: *draft-ietf-pce-stateful-pce-optional*
  - **RFC 9752**: *draft-ietf-pce-stateful-pce-vendor*
- **4** I-Ds in the RFC Editor Queue
  - **draft-ietf-pce-pceps-tls13** (MISSREF)
    - Waiting for *draft-ietf-tls-rfc8446bis* (Approved-announcement to be sent::Revised I-D Needed)
  - **draft-ietf-pce-pcep-yang** (RFC-EDITOR)
  - **draft-ietf-pce-pcep-color** (EDIT)
  - **draft-ietf-pce-segment-routing-policy-cp** (EDIT)
- **1** I-D with the AD
  - **draft-ietf-pce-sid-algo** (AD Evaluation::Revised I-D Needed)
    - On the agenda!

Early IANA Allocation

- **draft-ietf-pce-multipath**
  - Renewed two times and Expires 2026-05-09
- **draft-ietf-pce-sid-algo**
  - Two Allocations
  - (1) Renewed and Expires 2025-09-13
  - (2) Expires 2025-07-30
- **draft-ietf-pce-sr-bidir-path**
  - Renewed and Expires 2025-11-30
- **draft-ietf-pce-circuit-style-pcep-extensions**
  - Renewed and Expires 2026-02-23
- **draft-ietf-pce-sr-p2mp-policy**
  - Renewed and Expires 2026-08-27

Others

- **Errata** - Three new Errata
  - RFC 5440 - Two Editorial errata about OVERLOADED-DURATION TLV
    - https://www.rfc-editor.org/errata/eid8344
    - https://www.rfc-editor.org/errata/eid8349
  - RFC 8231 - Technical errata about TLV length where the length indicate the length of the value portion and not the total length
    - https://www.rfc-editor.org/errata/eid8370
- **Liaison**
  - No new Liasons

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

Post WGLC

- **draft-ietf-pce-state-sync**
  - -12 posted on 2025-05-29
  - Authors handled early reviews and WGLC comments
  - Pending Shepherd review and write up [Dhruv]
- **draft-ietf-pce-flexible-grid**
  - *- Expired!*
  - Authors need to post an update handling WGLC comments
  - We did not receive 1 IPR response from Francesco Lazzeri, who is now retired
    - Authors - please confirm how you wish to proceed?

WGLC queue

- **draft-ietf-pce-circuit-style-pcep-extensions**
  - -09 posted on 2025-06-26
  - *Ready for WGLC!*
- **draft-ietf-pce-sr-bidir-path**
  - No change
  - *Ready for WGLC!*
- **draft-ietf-pce-sr-p2mp-policy**
  - No change
  - Implementation section missing
    - *Otherwise, seems ready for WGLC!*
- **draft-ietf-pce-pcep-extension-pce-controller-sr**
  - -11 posted on 2025-07-07
  - *Ready for WGLC!*

WGLC queue

- **draft-ietf-pce-multipath**
  - -13 posted on 2025-04-09
  - What is the conclusion to - Should the PCEP extension go beyond the SR Policy SPRING's SR Policy RFC?
  - 2nd IANA renewal coming up!
  - Manageability section missing
- **draft-ietf-pce-pcep-ifit**
  - -07 posted on 2025-07-03
  - Implementation section and Manageability section missing
    - *Otherwise, seems ready for WGLC!*
- **draft-ietf-pce-stateful-pce-autobw-update**
  - -02 posted on 2025-06-01
  - Implementation section and Manageability section missing
    - *Otherwise, seems ready for WGLC!*
- **draft-ietf-pce-entropy-label-position**
  - -03 posted on 2025-04-17
  - Manageability section is missing
    - *Otherwise, seems ready for WGLC!*
- **draft-ietf-pce-pcep-extension-pce-controller-srv6**
  - -04 posted on 2025-02-19
  - Implementation section missing
    - *Otherwise, seems ready for WGLC!*

“Nearing” WGLC

- **draft-ietf-pce-sr-path-segment**
  - -13 posted on 2025-04-16
    - A refresh!
  - Nearing WGLC?
    - Has normative dependencies
- **draft-ietf-pce-pcep-ls**
  - -03 posted on 2025-04-21
  - *Ready for WGLC?*

WG I-Ds

- **draft-ietf-pce-stateful-interdomain**
  - No update since 122
  - Boris and Oscar promised reviews
- **draft-ietf-pce-pcep-l2-flowspec**
  - No update since 122
  - Has normative dependencies
- **draft-ietf-pce-pcep-pmtu**
  - No update since 122
  - Clarification on use with other PST
  - Has normative dependencies
- **draft-ietf-pce-pcep-srv6-yang**
  - -07 posted on 2025-04-21
    - Changed msd-type to identityref
    - Reusing sr-policy-types
- **draft-ietf-pce-bier-te**
  - -02 posted on 2025-06-04

WG I-Ds

- **draft-ietf-pce-controlled-id-space**
  - -02 posted on 2025-04-29
    - A refresh
- **draft-ietf-pce-pcep-bfd-parameters**
  - No update since 122
  - Please handle comments from adoption poll
- **draft-ietf-pce-operational**
  - -01 posted on 2025-06-30
  - On the agenda

WG Adoption Poll Queue

- Refer to https://wiki.ietf.org/en/group/pce#wg-adoption-call-queue
  - draft-dhody-pce-pcep-extension-pce-controller-p2mp - In adoption call
  - draft-dong-pce-pcep-nrp
  - draft-chen-pce-sr-mpls-sid-verification
  - draft-chen-pce-sr-ingress-protection - *expired*
  - draft-wang-pce-vlan-based-traffic-forwarding - *on the agenda*

- draft-zhang-pce-resource-sharing has been revived
  - is there interest?

PCEP Extension Mind Map

- Finding your way around the PCEP extensions can be tricky
- Proposal: Maintain a mind map and add the RFCs and WG I-Ds in this map
  - Would this be useful?
  - Best way to do this?
    - [Github](#) using [Mermaid](#)?
    - Manually at [Miro Board](#)?
  - Volunteers?

Thanks!