

IETF 116 Path Computation Element (PCE) WG

27 March 2023 15:30-17:00 Japan time

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IETF 116 Yokohama
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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)

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IETF 116 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*
- **Wear masks unless actively speaking at the microphone.**



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

Resources for IETF 116 Yokohama

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

Reminder for the IETF Guidelines for Conduct

- IETF participants extend respect and courtesy to their colleagues at all times.
- IETF participants have impersonal discussions.
- IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
- Individuals are prepared to contribute to the ongoing work of the group
- Please keep these in mind both at the mic and on Chat/Meetecho
- See BCP 54!

Administrivia

- Minute taker(s), scribe(s)
- Meetecho Etiquette
 - Join the queue (onsite/remote) 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 [zulip](#) chat)
- Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-116-pce>

Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WG LC, adoption, etc)!
- Use the WG wiki to track progress -
<https://wiki.ietf.org/en/group/pce>
- Use the zulip chat now or in between meetings -
<https://zulip.ietf.org/#narrow/stream/253-pce>
- Request for early code point allocation when you are planning to interop!

Agenda Bashing

Introduction

- 1.1. Administrivia, Agenda Bashing (Chairs, 5 min) [5/90]
- 1.2. WG Status (Chairs, 10 min) [15/90]
- 1.3. State of WG I-Ds, open issues and next steps (Chairs, 10 min)

Segment Routing

- 2.1 Open issues in SID Algo (Samuel Sidor, 10 min) [35/90]

draft-ietf-pce-sid-algo-00

- 2.2 PCEP SRv6 Extension (Cheng Li, 7 min) [42/90]

draft-ietf-pce-segment-routing-ipv6-16

- 2.3 SR Policy (Mike Koldychev, 5 min) [47/90]

draft-ietf-pce-segment-routing-policy-cp-09

- 2.4 P2MP SR Policy (Hooman Bidgoli, 7 min) [54/90]

draft-ietf-pce-sr-p2mp-policy-03

- 2.5 Circuit Style Policies (Samuel Sidor, 5 min) [59/90]

draft-sidor-pce-circuit-style-pcep-extensions-03

Stateful PCE

- 3.1 BFD (Sasha/Marina, 7 min) [66/90]

draft-fizgeer-pce-pcep-bfd-parameters-00

- 3.2 NRP (Jie Dong, 7 min) [73/90]

draft-dong-pce-pcep-nrp-00

Others

- 4.1 Updates for PCEPS (Sean Turner, 7 min) [80/90]

draft-dhody-pce-pceps-tls13-02

- 4.2 BIER-TE (Ran Chen, 5 min) [85/90]

draft-chen-pce-bier-10

- 4.3 DetNet Bounded Latency (Quan Xiong, 5 min) [90/90]

draft-xiong-pce-detnet-bounded-latency-01

WG Status

Beyond the WG

- Two new RFCs since IETF 115
 - RFC 9357 - draft-ietf-pce-lsp-extended-flags
 - RFC 9358 - draft-ietf-pce-vn-association
- I-Ds in the RFC Editor Queue
 - draft-ietf-pce-binding-label-sid-15 (MISREF)
 - Waiting for draft-ietf-pce-segment-routing-ipv6-16 (post-WGLC)
- and with the AD (Publication Requested)
 - draft-ietf-pce-pcep-stateful-pce-gmpls-20
 - draft-ietf-pce-local-protection-enforcement-07

Others

- Errata
 - No new Errata
- Liaison
 - Input for OTNT Standardization Workplan posted to ITU-T_SG-15
 - <https://datatracker.ietf.org/liaison/1811/>
- Early IANA codepoint allocation
 - draft-ietf-pce-multipath
 - Expires 2023-05-09
 - draft-ietf-pce-segment-routing-ipv6
 - Renewed
 - Expires 2024-01-12
 - draft-ietf-pce-local-protection-enforcement
 - Renewed!
 - Expires 2024-01-28
 - draft-ietf-pce-segment-routing-policy-cp
 - Renewed!
 - Expires 2024-03-30

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

Post WG-LC

- **draft-ietf-pce-pcep-yang (waiting for the chair go-ahead)**
 - -21 posted on 2023-03-06
 - Comments from Gyan (RTGDIR)
 - Added support for H-PCE, inter-layer, more association types,
 - Comments from Tom Petch
 - References and updated description in the YANG
 - Secdir Review (Scott)
 - Ready!
 - Yangdoctor review is also done!
 - Ready to pass on to the AD?

Post WG-LC

draft-ietf-pce-segment-routing-ipv6

- On the Agenda
- Comments from Adrian and Ketan needs handling
- Thanks Hari for shepherding

WG documents “nearing” WG LC

draft-ietf-pce-pcep-extension-native-ip

- No Change!
- Document reviewed by IDR already!
- Ready!

draft-ietf-pce-flexible-grid

- -09 posted on 2023-03-07
 - A refresh!
 - Lot of silence...
 - Any concern? Open Issues?

WG documents “nearing” WG LC

draft-ietf-pce-enhanced-errors

- -13 posted on 2023-03-09
 - No changes!
 - **STILL** no I-D currently using it
 - draft-ietf-pce-stateful-interdomain could, but hasn't!
 - RFC 8751 mentions it though
 - Is there still interest in this work?
- **Options:**
 - Progress this work as experimental
 - Would need reviewers to commit
 - Mark it as waiting for implementation
 - **STILL** no feedback received!

WG I-Ds

draft-ietf-pce-sr-path-segment

- -07 posted on 2023-02-20
 - A refresh!
- Includes two mechanism and plan to progress with both
 - No objections raised!
- Nearing WGLC!

draft-ietf-pce-sr-bidir-path

- -10 posted on 2023-03-08
 - A refresh!
- Nearing WGLC!

WG I-Ds

draft-ietf-pce-segment-routing-policy-cp

- On the agenda

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

- -06 posted on 2023-01-11
- Router-ID TLVs are added
- Various editorial changes!
- Looks like nearing WGLC?

WG I-Ds

draft-ietf-pce-multipath

- -07 posted on 2022-11-14
 - a refresh!
 - no change lately!
- Looks like nearing WGLC?

draft-ietf-pce-state-sync

- -04 posted on 2023-01-11
 - A refresh!
 - No change lately!
- No feedback from the WG on the priority setting used for Primary/Secondary selection to be out of scope of this I-D!

WG I-Ds

draft-ietf-pce-stateful-pce-option al

- -05 posted on 2023-01-11
 - A refresh
 - No change lately!
- Looks like nearing WGLC?

draft-ietf-pce-stateful-interdomain

- Expired since 2022-09-05
- Update was promised before the end of the year
- Is there still interest?
- draft-ietf-pce-enhanced-errors needs to be considered

draft-ietf-pce-sr-p2mp-policy

- On the agenda

WG I-Ds

draft-ietf-pce-pcep-l2-flowspec

- -03 posted on 2023-01-03
 - A refresh
- Waiting for IDR

draft-ietf-pce-sid-algo

- Expired!
- On the agenda!
 - Comments received during WG adoption are pending!!

WG I-Ds

draft-ietf-pce-pcep-pmtu

- -03 posted on 2023-01-15
- Updates RFC 5440 and editorial changes!

draft-ietf-pce-pcep-ifit

- -02 posted on 2023-01-31
- Mainly editorial changes

Recently adopted documents

draft-ietf-pce-pcep-srv6-yang

- -02 posted on 2023-03-07
- Mainly editorial changes

draft-ietf-pce-pcep-color

- -00 posted on 2023-01-03

draft-ietf-pce-pcep-extension-pce-controller-srv6-00

- -00 posted on 2023-02-08

WG Adoption Poll Queue

- Refer to <https://wiki.ietf.org/en/group/pce#wg-adoption-call-queue>
- draft-dhodylee-pce-pcep-ls
- draft-dhody-pce-stateful-pce-vendor
- draft-li-pce-controlled-id-space
- draft-dhody-pce-pcep-extension-pce-controller-p2mp
- draft-koldychev-pce-operational
- draft-dhody-pce-pceps-tls13...

Some discussion on the list

- Scoping Items from draft-koldychev-pce-operational
 - 2 drafts will be produced by the authors
 - Standards track that make updates to procedures
 - Informational draft that makes clarifications
- Question on draft-ietf-pce-local-protection-enforcement
 - resolved on the mailing list

Coordination with other WG/RG

- See <https://wiki.ietf.org/group/pce/coordination>
- Need help in keeping it up to date!

Thanks!

Backup!

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, response number is low.
- Please be vocal on the list to help us gauge the consensus better.
- The WG 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.
- Also help flushing our queues faster
 - we had to extend the calls when response was lacking!

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 and opportunities
 - pending actions
 - IPR polls
- Use this wiki
 - make sure this is up to date!
- <https://wiki.ietf.org/en/group/pce>

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
- Maintained at
 - <https://wiki.ietf.org/en/group/pce#candidate-for-early-iana-allocations>