

# Path Computation Element WG Status

IETF 100 - Singapore

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**I E T F**

# Administrivia

- Please, sign blue sheets
- Minute taker(s), jabber scribe(s)
- Audio & video streaming
  - Please speak only using the microphones
  - Please state your name before speaking
  - Presenters, please stay within the pink box
- Julien couldn't travel: sorry everyone!
  - Please mind audio/video 😊

# 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

# Agenda Bashing

## **1. Introduction**

1.1. Administrivia, Agenda Bashing (chairs, 5 min)

1.2. WG Status (chairs, 20 min)

## **2. WG's I-Ds**

2.1. Stateful PCE for P2MP LSPs (Pavan, 5 min)

## **3. New I-Ds**

3.1. PCEP Extensions for SR leveraging the IPv6 data plane (Dhruv Dhody, 10 min)

## **4. Previously Discussed Topics**

4.1. Association for Path Projection (Dhruv Dhody, 10 min)

4.2. Association for Bidirectional LSP (Rakesh Gandhi, 10 min)

4.3. PCEP to support Resource Sharing (Haomian Zheng, 10 min)

4.4. Synchronization between Stateful PCEs (Dhruv Dhody, 5 min)

# Status of WG I-Ds

# Beyond the WG

- Four new RFCs since Prague
  - 8231: PCEP Extensions for Stateful PCE
  - 8232: Optimization of LSP State Synchronization
  - 8233: PCEP Extensions for Service-Aware LSPs
  - 8253: TLS for PCEP (PCEPS)
- Three I-Ds in RFC Editor's queue
  - draft-ietf-pce-pce-initiated-lsp
  - draft-ietf-pce-inter-layer-ext (ref on draft-ietf-pce-pce-initiated-lsp)
  - draft-ietf-pce-rfc6006bis
- One I-D submitted to IESG
  - draft-ietf-pce-pcep-exp-codepoints

# Administrative Items

- New errata
  - on RFC 8253 (already!)
    - indirect/wrong reference
    - confirmed by the authors
    - no technical impact
- New early allocations for draft-ietf-pce-association-group
  - PCEP Object: 40
    - Types: 1..2
  - PCEP TLV Type Indicators: 29..31
  - PCEP-ERROR Object Error Types: 26
    - Values: 1..7
  - Cf. <https://www.iana.org/assignments/pcep/pcep.xhtml>



# With the WG

- Shepherd review shared, waiting for update
  - draft-ietf-pce-inter-area-as-applicability
- Shepherd assigned
  - draft-ietf-pce-lsp-setup-type (waiting for update)
  - draft-ietf-pce-gmpls-pcep-extensions (review to be shared)
  - draft-ietf-pce-wson-rwa-ext (pending GMPLS extensions)
- In queue for WG Last Call
  - draft-ietf-pce-segment-routing (pending LSP setup type)
  - draft-ietf-pce-hierarchy-extensions (to be refreshed)
  - draft-ietf-pce-association-group (cf. early allocation)
  - draft-ietf-pce-stateful-pce-auto-bandwidth
  - draft-ietf-pce-stateful-pce-p2mp

# Not on the Agenda

- draft-ietf-pce-pcep-yang
- ACTN-related
  - draft-ietf-pce-stateful-hpce
  - draft-ietf-pce-applicability-actn
- Association-based
  - draft-ietf-pce-association-diversity
  - draft-ietf-pce-association-policy
- Stateful-related
  - draft-ietf-pce-pcep-stateful-pce-gmpls
  - draft-ietf-pce-stateful-pce-lsp-scheduling

# Expired Documents

- Already flagged in previous slides (“slow but OK”)
  - draft-ietf-pce-inter-area-as-applicability (to update)
  - draft-ietf-pce-gmpls-pcep-extensions (shepherd)
  - draft-ietf-pce-wson-rwa-ext (shepherd)
  - draft-ietf-pce-hierarchy-extensions (to update)
- Still an editor in charge?
  - draft-ietf-pce-remote-initiated-gmpls-lsp
  - draft-ietf-pce-enhanced-errors

Thanks