# Path Computation Element WG Status

IETF 99 - Prague

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I  E  T  F

# On IETF Agenda

- Two PCE-related sessions appear
  - 1st one: right now
    - usual PCE WG session
  - 2nd one: Thursday at 1:30pm
    - appears as "TEAS"
    - Yang session
    - joint with TEAS, MPLS and CCAMP WGs

# 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

# Some Change

- Dan steps down as a secretary
  - not as a contributor
    - nor as supporting note taker… (smooth transition)
  - thank you Dan for your help!
- Dhruv has agreed to take over
  - he knows PCE well
  - please welcome him

# 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**

**2. WG's I-Ds**
2.1. PCEP Extensions for Association Groups (Dhruv Dhody, 10 min)

**3. New I-Ds**
3.1. PCEP Extensions for Residual Bandwidth (Daniele Ceccarelli, 10 min)
3.2. PCEP Extensions for Flexible Grid (Young Lee, 10 min)
3.3. PCEP Extensions for Multilayer LSP Association (Fangwei Hu, 10 min)
3.4. PCEP Extensions for Stitching with H-PCE (Young Lee, 10 min)

**4. Previously Discussed Topics**
4.1. PCEP Extension for Flow Specification (Adrian Farrel, 10 min)
4.2. PCE as Central Controller (Dhruv Dhody, 10 min)
4.3. PCEP for Distribution of Link State and TE (Young Lee, 10 min)

# Status of WG I-Ds

# Beyond the WG

- No new RFC since Chicago

- Four I-Ds in RFC Editor's queue
  - draft-ietf-pce-stateful-pce
  - draft-ietf-pce-stateful-sync-optimizations (ref on stateful base)
  - draft-ietf-pce-pcep-service-aware (ref on stateful base)
  - draft-ietf-pce-inter-layer-ext
    - ref on stateful base + draft-ietf-pce-pce-initiated-lsp
- Three I-Ds with the IESG
  - draft-ietf-pce-pce-initiated-lsp (waiting for IETF LC)
    - IANA's allocations secured
  - draft-ietf-pce-pceps (IESG telechat on August 3)
  - draft-ietf-pce-rfc6006bis

# 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
  - 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)

# Not on the Agenda (1/3)

- ACTN-related
  - draft-ietf-pce-stateful-hpce
  - draft-ietf-pce-applicability-actn
  - For both
    - Added text for stitching per domain LSP in context of H-PCE
    - Editorial changes
- draft-ietf-pce-pcep-yang
  - Last update
    - Compliant to NMDA (Removed –state tree)
    - Added support for TLS (reusing TLS grouping from Netconf WG)
    - Authentication per peer basis
  - Open Issue: keep notifications or not?
  - Next Step: prepare for Last Call

# Not on the Agenda (2/3)

- draft-ietf-pce-stateful-pce-auto-bandwidth
  - Last update
    - Addressed outstanding review comments from Adrian
    - Added missing default values for parameters
    - Added minimum-threshold as a suppression parameter for percentage threshold
    - Various editorial changes
  - Authors believe it is ready and request WG LC: welcome your review comments and suggestions
- draft-ietf-pce-stateful-pce-p2mp
  - Last update
    - Aligned to changes in Stateful PCE draft
    - Aligned to RFC6006bis draft
    - Refined IANA section
    - Implementations Exist
  - Next step: WG Last Call / IANA Early code point allocation

# Not on the Agenda (3/3)

- draft-ietf-pce-pcep-exp-codepoints
  - Editorial update
  - Authors believe it is ready and request WG LC
- draft-ietf-pce-association-diversity
  - presented in last IETF, no change since
- draft-ietf-pce-association-policy
  - recently updated
- draft-ietf-pce-pcep-stateful-pce-gmpls
  - recently updated
- draft-ietf-pce-stateful-pce-lsp-scheduling
  - recently adopted as WG document

# Expired Documents

- Already flagged in previous slides
  - 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)

- draft-ietf-pce-remote-initiated-gmpls-lsp
  - still an editor in charge?

- draft-ietf-pce-enhanced-errors
  - latest editor no longer active in the IETF (again)…

# Thanks