

# Path Computation Element WG Status

Jean-Philippe Vasseur (jvasseur@cisco.com)  
Julien Meuric (julien.meuric@orange.com)

# Administrivia

- Blue Sheets, scribe(s)
- JP's apology for being unable to attend
- Presenters, stick to your timeslot
  - including questions...
- People at the mic, state you name
  
- Reminder: please consider requesting slots if there is **enough interest expressed** by the WG

# Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

## **The brief summary:**

- **By participating with the IETF, you agree to follow IETF processes.**
- **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**
- **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

# Milestones

- |          |  |
|----------|--|
| Done     | Submit the GMPLS requirements to the IESG                |
| Sep 2013 | Submit inter-area/AS applicability statement to the IESG |
| Sep 2013 | Submit PCEP extensions for GMPLS to the IESG             |
| Nov 2013 | Submit inter-layer extensions to the IESG                |
| Nov 2013 | Submit extensions for hierarchical model to the IESG     |
| Jan 2014 | Submit the PCEP MIB to the IESG                          |
| Apr 2014 | Submit the discovery MIB to the IESG                     |
| Apr 2014 | Submit P2MP MIB to the IESG                              |
| Sep 2014 | Submit the stateful PCE document(s) to the IESG          |
| Feb 2015 | Evaluate WG progress, recharter or close                 |

# Agenda Bashing

## **1. Introduction**

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

PCEP Extensions to Compute Service-Aware LSPs (Zafar Ali, 5 min)

## **3. Stateful PCE**

3.1. Stateful PCE Applicability (Xian Zhang, 5 min)

3.2. PCEP Extensions for Stateful PCE and PCE-Initiated LSPs (Ina Minei, 10 min)

3.3. PCEP Extensions for Stateful PCE and GMPLS LSPs (Xian Zhang, 5 min)

3.4. PCEP Extensions for Remote-initiated GMPLS LSPs (Zafar Ali, 15 min)

3.5. Conveying Path Setup Types in PCEP (Siva Sivabalan, 5 min)

3.6. PCE Path Profiles (Santiago Alvarez, 5 min)

3.7. Use Cases for PCE as Central Controller (Quintin Zhao, 10 min)

3.8. Application-oriented Stateful PCE Architecture and Use Cases (Young Lee, 10 min)

## **4. Discussed IDs**

4.1. Secured Transport for PCEP (Diego Lopez, 10 min)

4.2. PCE Discovery Using DNS (Qin Wu, 10 min)

4.3. PCEP Extensions for Receiving SRLG Information (Dhruv Dhody, 5 min)

## **5. New I-Ds not Discussed...**

5.1. TED Dissemination for Hierarchical PCE (Oscar Gonzales de Dios, 10 min)

5.2. PCEP Extensions for Link Bandwidth Utilization (Qin Wu, 10 min)

5.3. PCE Support for Domain Diversity (Dhruv Dhody, 5 min)

5.4. PCEP Extensions for Cross-Domain Label Distribution (Huaimo Chen, 10 min)

# Documents beyond WG

- One new RFC since Berlin
  - RFC 7025: GMPLS Reqs in PCEP
- Two I-Ds in IESG review
  - draft-ietf-pce-pcep-inter-domain-p2mp-procedures
  - draft-ietf-pce-vendor-constraints

# Expired Documents

- draft-ietf-pce-inter-area-as-applicability
  - pending an unreliable contributor
- draft-ietf-pce-enhanced-errors
  - pending confirmation of new editor
- draft-ietf-pce-inter-layer-ext
  - pending GMPLS extensions
- draft-ietf-pce-disc-mib
  - ready for last call?

# Recent WG documents

- draft-ietf-pce-hierarchy-extensions
- draft-ietf-pce-stateful-pce-app
  - on the agenda
- draft-ietf-pce-questions

# Not on the Agenda

- draft-ietf-gmpls-pcep-extensions
  - editor is changing company, will resume after
- draft-ietf-pce-pcep-domain-sequence
  - pending feedback
- draft-ietf-pce-pcep-mib
  - to be sent to MIB Doctor?
- draft-ietf-pce-wson-routing-wavelength
  - ready for last call?
- draft-ietf-pce-wson-rwa-ext
  - pending GMPLS document

# Related Initiatives

- 6TiSCH WG has been formed (INT area)
  - “IPv6 over TimeSlotted Channels”
  - may interact with the PCE WG
    - e.g., see draft-thubert-6tisch-architecture
- Deterministic Ethernet
  - chairs have been approached to see whether the PCE infrastructure could be used
    - will be discussed on the mailing list