

# PCEP Extensions for Stateful PCE Usage in GMPLS Networks

PCE WG, IETF 90<sup>th</sup>, Toronto, Canada

draft-ietf-pce-pcep-stateful-pce-gmpls-01.txt

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# Changes from Version 00

- 1) Added <END-POINTS> in PCRpt;
  - ✓ Reason: Endpoints, which can be unnumbered interfaces, may not be reported via <ERO> or TLV within LSP object.
- 2) Added IS-IS PCED TLV extensions;
- 3) Updated all the texts, according to the changes made to the *draft-ietf-pce-gmpls-pcep-extensions-09*.
  - ✓ Not new object Class, but only new types;
- 4) Filled two TBD parts with texts:
  - ✓ IANA section; (TBD + suggested value)
  - ✓ The paragraph mentioning multi-domain issue

# Open Issue Summary

- **Issue 1**: Extensions for stateful PCE capability advertisement in multi-layer networks:
  - Requirement: the PCCs should be informed of which PCEs they should synchronize their LSP states with, as well as send path computation requests to
  - Solutions:
    - Negotiation capability through Open object (**to be discussed and taken action**)
      - Option 1: Define extension to OPEN object in [INTER-LAYER] draft to negotiate this capability
      - Option 2: Define extension OPEN object in this draft
- **Question: Which option is preferred by the WG?**
- Discovery capability: defined OSPF/ISIS PCED TLV in this draft(**already addressed** in this draft)

# Next Step

- Welcome feedback from the meeting or mailing list and further revision