PCEP Extensions for Stateful PCE Usage in GMPLS Networks

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draft-zhang-pce-pcep-stateful-pce-gmpls-02.txt

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Outline

• Overview
• Update
• Next Step
• Follow one suggestion from IETF85

• Why draft-ietf-pce-gmpls-pcep-extensions is not sufficient for stateful PCEP extensions? It does not provide the <path> descriptor needed for LSP state update/report and relevant procedure description for handling Errors in GMPLS networks.

• Things covered in this document:
⇒Objects/TLVs/procedures making Core extensions + this draft provide a complete GMPLS-oriented stateful PCE solution
Update From Version 01 to 02

Major Updates:

(1) Move the Layer-Cap TLV to [Inter-layer] draft and cite it ONLY;
(2) Extensions added to advertise the ability using OSPF PCED TLV;
(3) Extensions provided for path updates usage in GMPLS networks;
(4) Extensions and explanation added for path report usage in GMPLS networks;
(5) New extension/Error codes provided for path computation requests;
(6) Remove time-base scheduling and WSON related extensions;
Next Step

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