PCEP Extensions for Stateful PCE Usage in GMPLS Networks

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draft-zhang-pce-pcep-stateful-pce-gmpls-03.txt

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Motivation and Outline

◆ Motivation

Identifying the gaps for PCEP extensions, in supporting stateful PCE implementation in GMPLS-controlled networks

◆ Overview

- LSP capability advertisement;
- LSP state synchronization in GMPLS-controlled networks;
- Modification of existing PCEP procedure;
The Update from Version 01

Update highlights:

✓ Update the entire document according to the draft-ietf-pce-stateful-pce (version 6) (mainly terminologies and notation);

✓ Add Zafar Ali as a co-author;
Open Discussion

• Section 2.5 and 2.6 describes the impact of introducing the PLSP-ID to existing PCEP messages
  – Extensions to XRO and add <LSP> object to PCReq.
  – Useful for a passive stateful or an active stateful PCE (not assuming all LSPs are delegated)

• **Discussion:**
  Since they are generic, should be put in the core extension draft. Thoughts?
Next Step

• The draft is stable and the authors would like to ask for WG adoption.