

PCEP Extensions for Stateful PCE Usage in GMPLS Networks

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

Fatai Zhang (zhangfatai@huawei.com)

[Xian Zhang \(zhang.xian@huawei.com\)](mailto:zhang.xian@huawei.com)

Young Lee (leeyong@huawei.com)

Ramon Casellas (ramon.casellas@cttc.es)

Oscar Gonzalez de Dios (ogondio@tid.es)

Dhruv Dhody (dhruv.dhody@huawei.com)

Outline

- Overview
- Update
- Next Step

Overview

- Follow one suggestion from IETF85
- Why [draft-ietf-pce-gmpls-pcep-extensions](#) is not sufficient for stateful PCEP extensions?

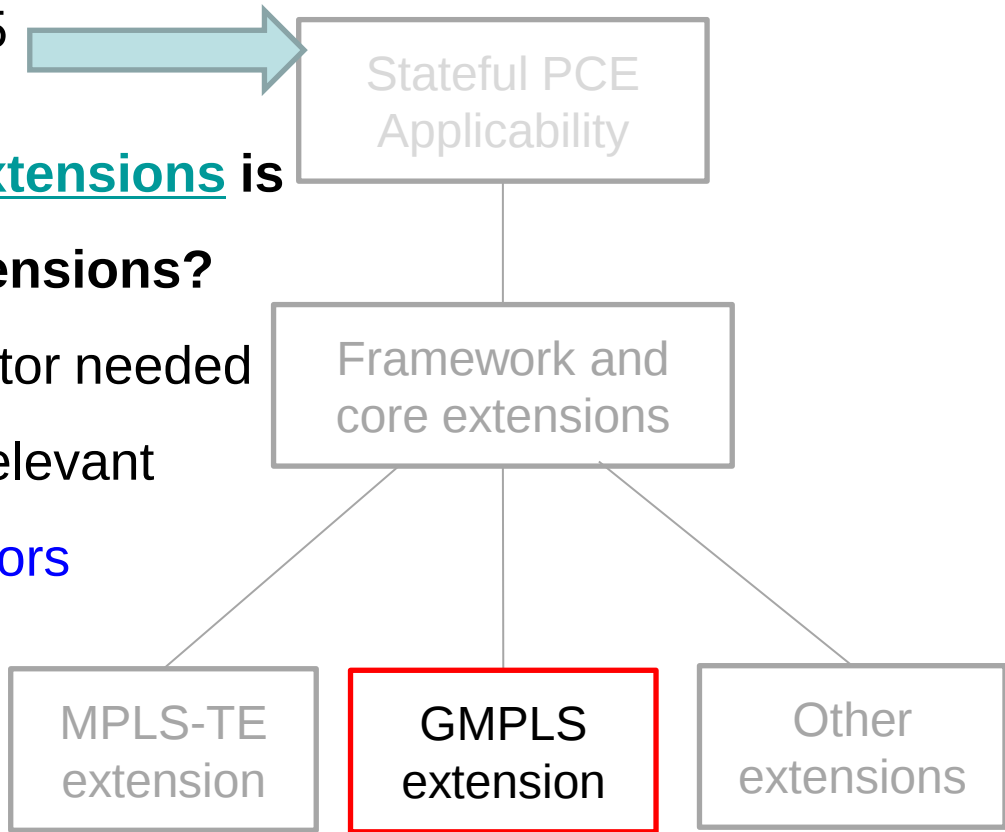
It does not provide the <path> descriptor needed for LSP state update/report and relevant procedure description for handling Errors in GMPLS networks.

- 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