

PCEP extensions for BIER-TE

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What's the latest version?

- Add the co-authors from Huawei and China Mobile.
- Update the END-POINT Object:
 - Delete the option for the New BIER END-POINT Object to carry the BFR-ids informations.
 - Reuses the P2MP END-POINTS object body for IPv4 and END-POINTS object body for IPv6 (Object-Type 4) which is defined in [RFC8306].

Introduction

- This document specifies extensions to the Path Computation Element Protocol (PCEP) that allows a stateful PCE to compute and initiate the path for the **BIER-TE**.

Extensions

- BIER Capability Advertisement.
 - Defines a new Path Setup Type (PST) for BIER.
 - Defines the BIER-TE-PCE-CAPABILITY sub-TLV to exchange BIER capability.
- The RP/SRP Object
 - Defines a new Path Setup Type (PST=TBD2) for BIER-TE.
- END-POINTS Object:
 - Reuses the P2MP END-POINTS object body for IPv4 and END-POINTS object body for IPv6 (Object-Type 4) which is defined in [RFC8306].
- ERO Object
 - Defines an BIER-ERO subobjects to carry the adjacencies BitStrings, BSL, subdomain and SI.

Next Step

- Comments welcome.
- WG Adoption ?

Thanks!