PCEP extensions for BIER-TE

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What’s the latest version?

• Add the co-authors form 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!