Overview

- RFC8662 proposes to apply the entropy labels to SR-MPLS networks and provides following criteria to determine the best ELI/ELs placement:
  - a limited number of <ELI, EL> pairs SHOULD be inserted in the SR-MPLS label stack;
  - the inserted positions SHOULD be within the Entropy Readable Label Depth (ERLD) of a maximize number of transit LSRs;
  - a minimum number of <ELI, EL> pairs SHOULD be inserted while satisfying the above criteria.

- The controller (e.g. PCE) MAY perform the end-to-end path computation as well as the the Entropy Label Position (ELP) including the number and the place of the ELI/ELs especially in inter-domain scenarios.
PCEP Extensions

• Open Object
  • indicate that it supports the SR path with ELP configuration.

• LSP Object
  • indicate to compute the SR path with ELP information.

• ERO Object
  • indicate that the position after this SR-ERO subobject is the position to insert <ELI, EL>, otherwise it cannot insert <ELI, EL> after this segment.
Next Step

• Comments and discussions are very welcome!
Thank you!