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IDR WG

## Segment Routing BGP/LS Egress Peer Engineering Extensions *draft-previdi-idr-bgp/ls-segment-routing-epe-01*

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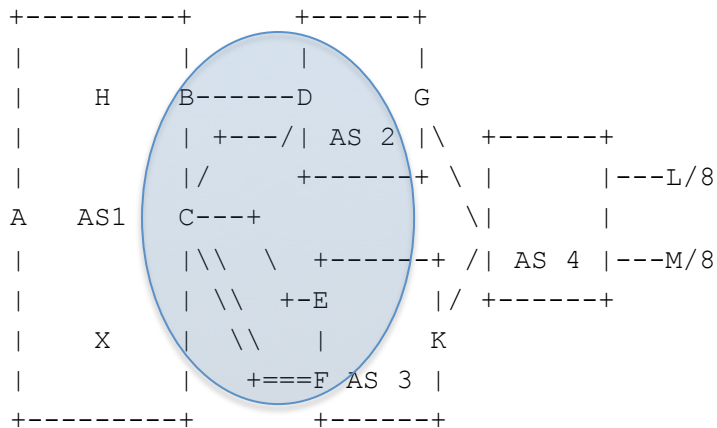
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# Motivations

- Problem statement / use case described in draft-filsfils-spring-segment-routing-central-epe



- Section 1.2 Problem Statement A **centralized controller** should be able to instruct an ingress PE or a content source within the domain to use a specific egress PE and a specific external interface to reach a particular destination.

# -01 Update

- Merged proposal of
  - draft-previdi-idr-bgppls-segment-routing-epe-00
  - draft-dong-idr-inter-as-te-link-distribution-00
- New Node Descriptors (not strictly related to EPE, may be used in other contexts):
  - BGP Identifier
  - Confederation Member ASN
- New Attribute: PeerSet SID
- Clarified the use of existing node/link descriptors and attributes

# -01 Update

- Added text on mandatory Local and Peer Descriptors
  - MUST appear: BGP Router ID  
ASN  
BGPLS Identifier (Local Node Descriptor only)
  - MAY appear: Member-ASN  
Node Descriptors as defined in draft-ietf-idr-ls-distribution

# -01 Update

- Added Codepoints section
- Added Security section
- First implementation

# Questions?

# Thanks!