

# Proxy MPLS Traffic Engineering Label Switched Path(LSP) draft-li-mpls-proxy-te-lsp-00

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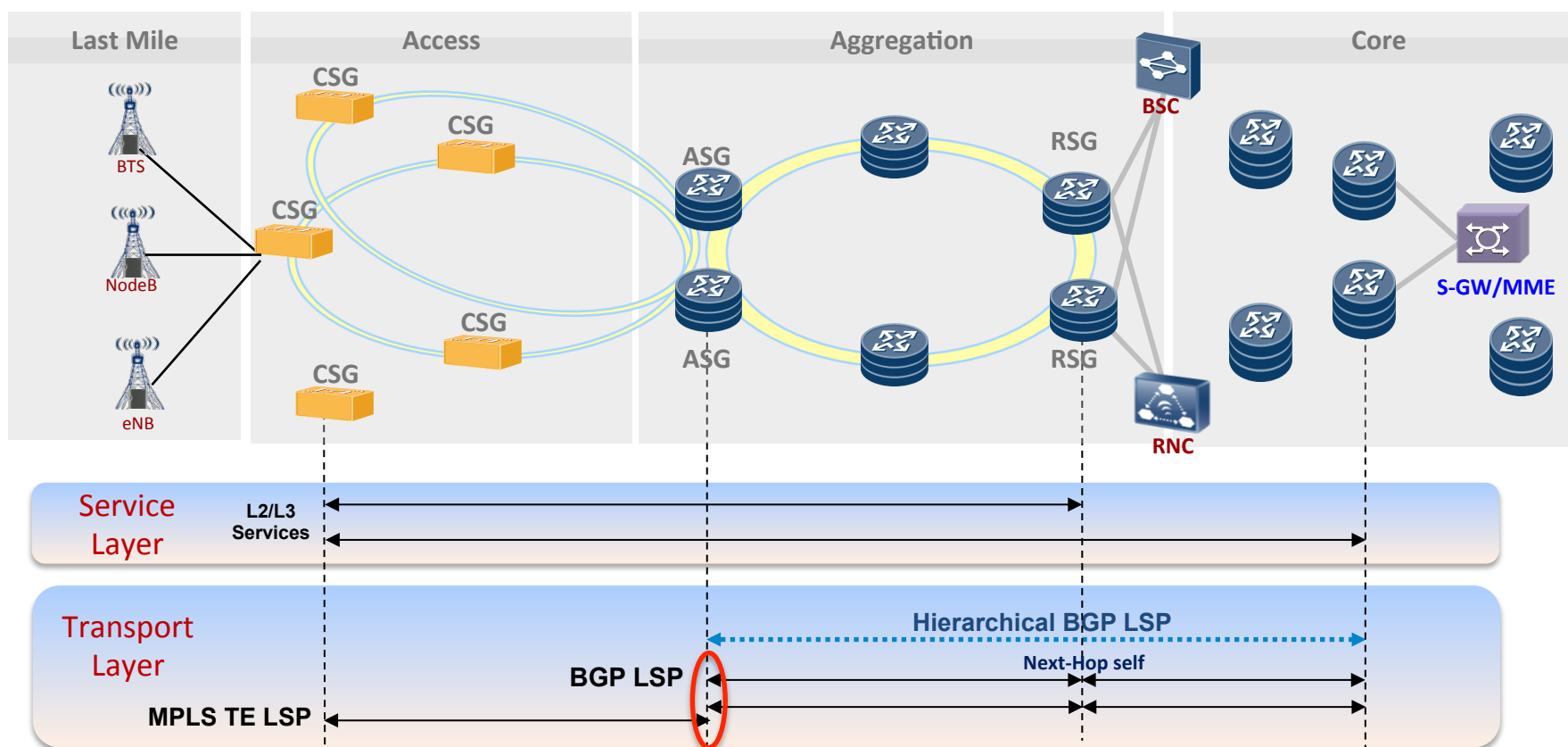
IETF 87, Berlin, Germany

# Introduction

- [I-D. draft-li-mpls-seamless-mpls-mbb-00 ] introduced the framework and requirement of Seamless MPLS for mobile backhaul networks.
- The draft is to provide a method, Proxy TE , to setup proxy egress MPLS TE LSP with RSVP-TE which could stitch with BGP LSP to form an end-to-end LSP.
  - Define a new RSVP-TE object: Proxy Destination Object
  - Procedures of Setup Proxy TE LSP

# Requirement on Proxy Egress MPLS TE LSP

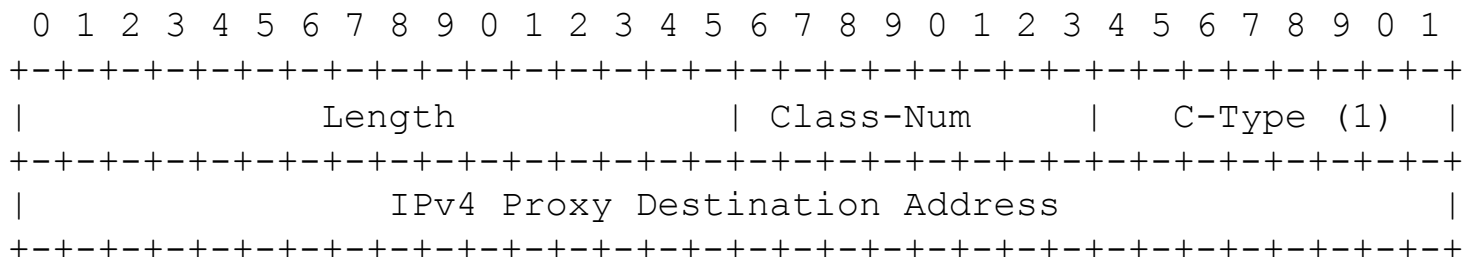
- Proxy egress MPLS TE LSP has to be setup in mobile backhaul networks to stitch BGP LSP for Seamless MPLS.



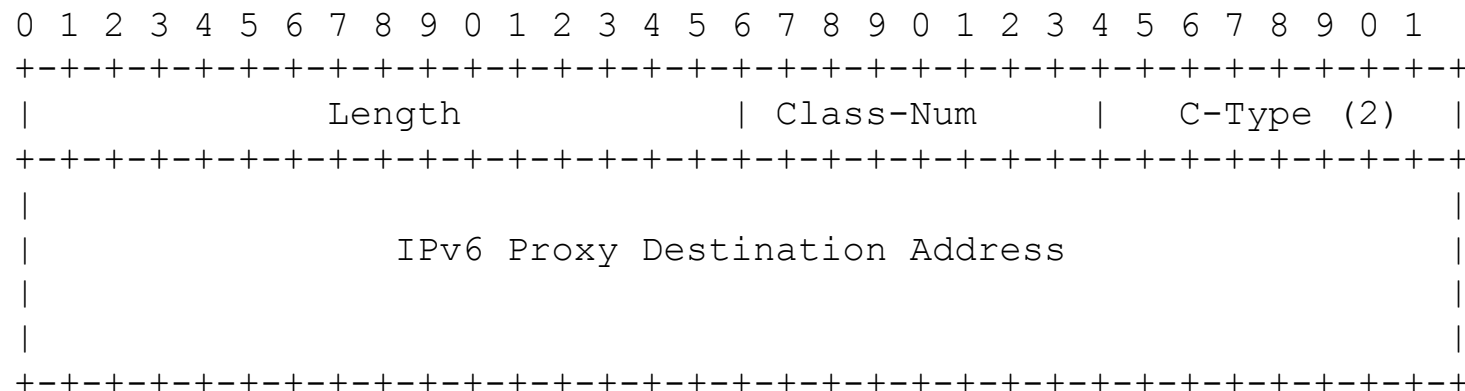
# RSVP-TE Extension

- IPv4 Proxy Destination Object

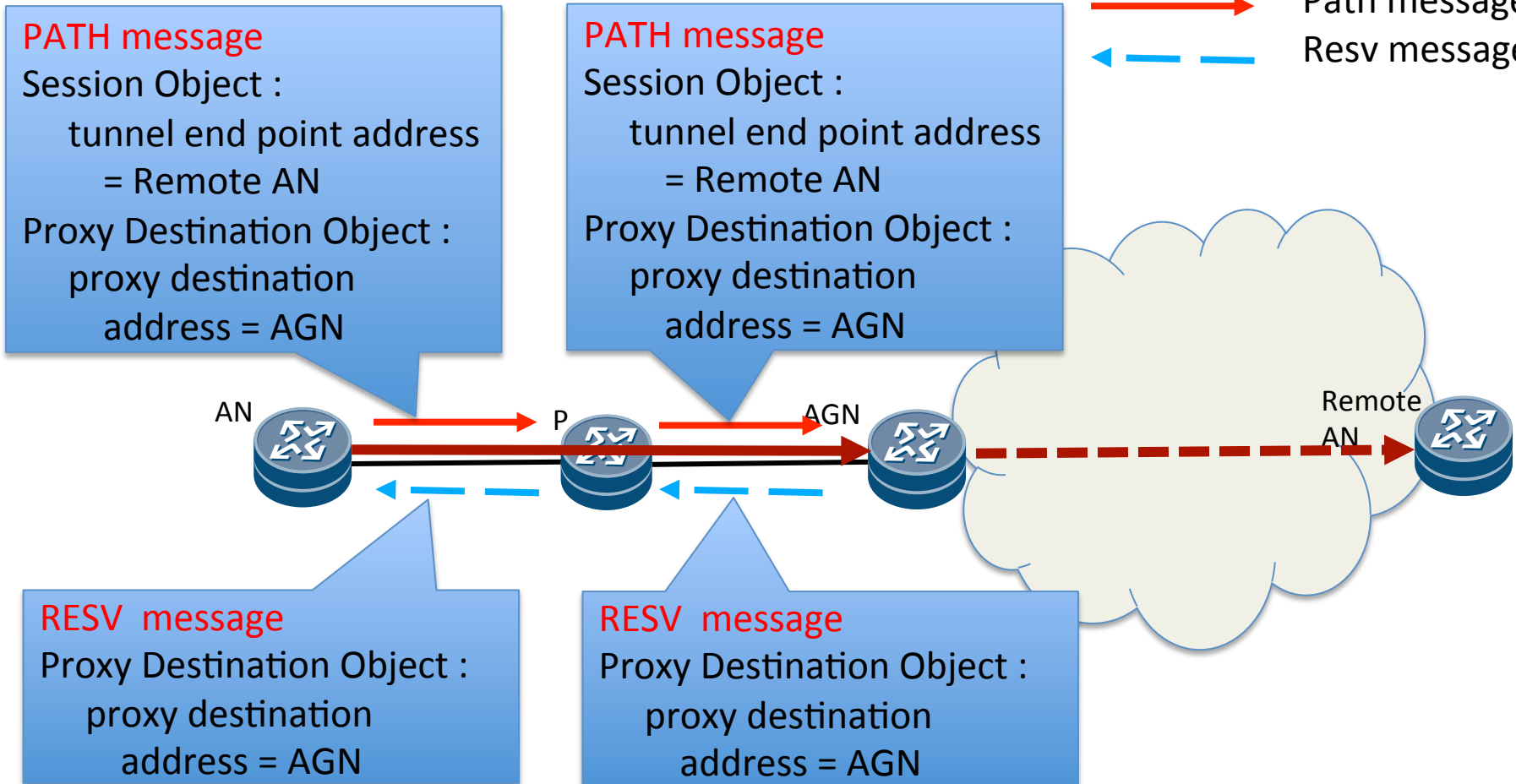
Class-Num = TBD ((of form 0bbbbbb))



- IPv6 Proxy Destination Object



# Procedures



- Ingress: Use the proxy destination address to calculate path and the setup procedure is the same as current process.
- Egress: Identify itself as the proxy node, stitch the proxy RSVP-TE with the other LSP, return RESV message with the same proxy destination object.

# Next Steps

- Solicit more Get comments on mailing list
- More scenarios will be taken into account.