

PCEP extensions for GMPLS

PCE WG, IETF 84,

draft-ietf-pce-gmpls-aps-req-06

draft-ietf-pce-gmpls-pcep-extensions-06

Authors & Contributors

Difference from 05

Requirements:

- Refined the requirement on label restrictions
- Editorial updates (Mainly references)
- Welcome Cyril Margaria as new co-author.

Solution

- editorial points : manageability section has been added
- Encoding :
 - Condensed Label information (6->2 TLVs)
 - GENERALIZED-BANDWIDTH: use only one OT

ENDPOINTS

Previous version 6 TLVs

Label restriction : LABEL, UPSTREAM LABEL,
LABEL SET

Reoptimization :

OLD_LABEL/OLD_UPSTREAM_LABEL

Label suggestion : SUGGESTED_LABEL_SET

ENDPOINTS

New : move the upstream/reoptimization as flags in the LABEL_SET.

A LABEL can be represented as a LABEL_SET with one LABEL.

→Cons :

→Coding less efficient

→Pro :

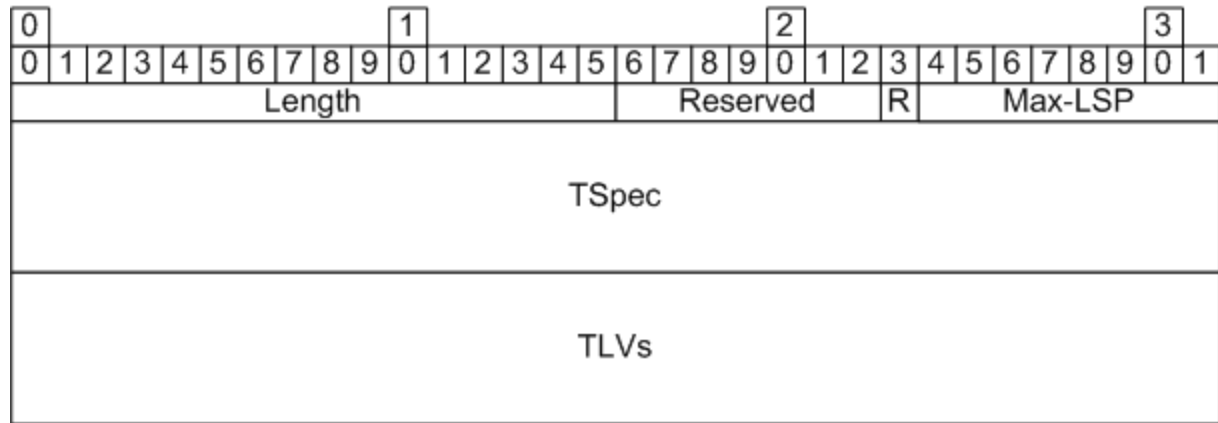
→ Less TLVs (2 versus 6)

→PCE procedure are not impacted

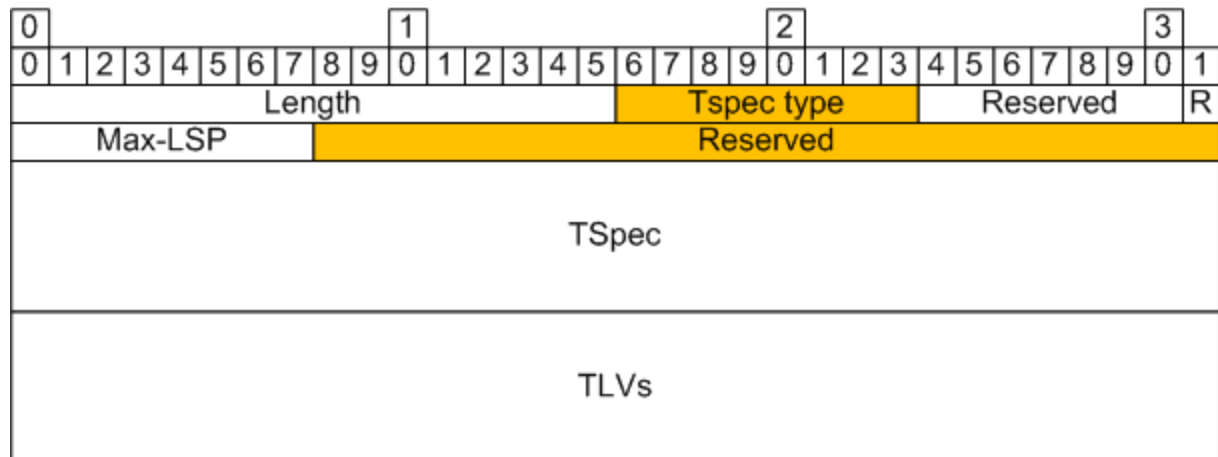
GENERALIZED-LOAD-BALANCING

Same logic as GENERALIZED-BANDWIDTH

Previous



New



Next Steps

- The document addressed the comments raised
- Authors think the solution is ready for Last Call,
 - Last call after reqs.

Questions?