

Expressing Label Set in ERO

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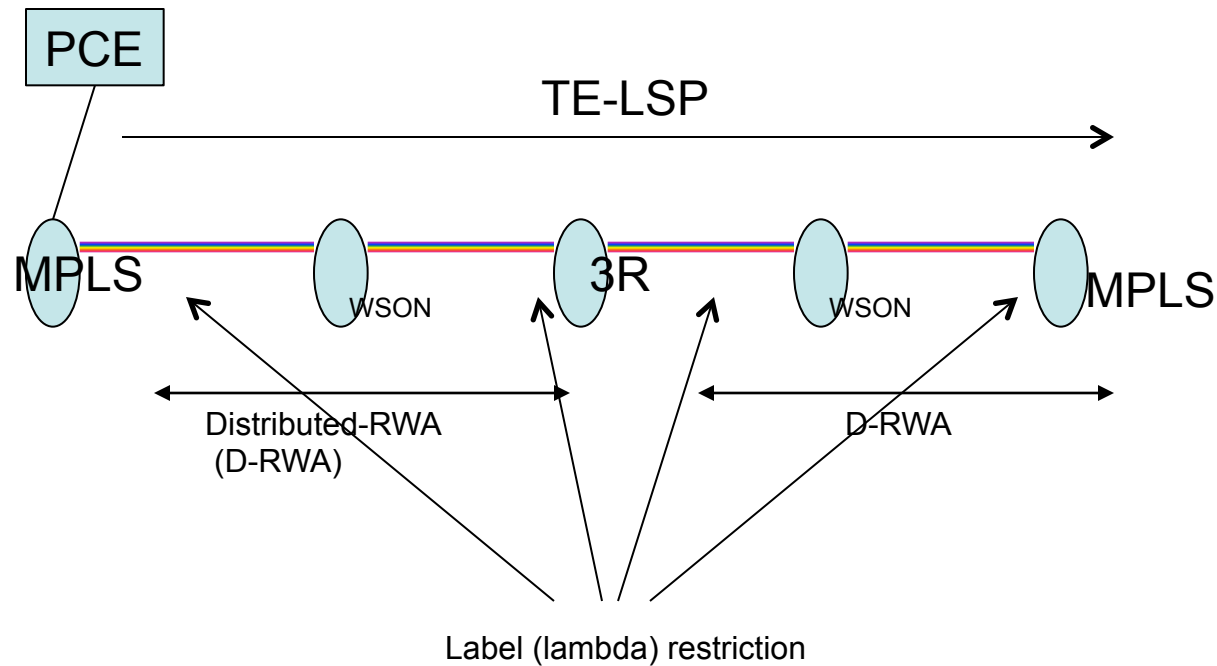
CTTC

Outline

- When is a Label set needed in ERO? (use case)
- Requirements
- Solutions overview and problems

Label Set in ERO

Use case



- Known label restriction on links
- Such restriction is a set of labels

Requirements

Indicating a label restriction for a given link on RSVP and PCEP interface:

- Explicit Label control address 1 label
- Explicit control of a set of label
- Explicit control of a set of suggested label?

Be backward compatible.

Solutions overview

- Allow several LABEL sub-objects per ERO (After an interface sub-object)
 - No new sub-object
 - No extensions required for PCEP
 - Change existing procedures
- New LABEL_SET sub-object ERO
 - New sub-object
 - No extensions required for PCEP
- Use LSP_ATTRIBUTE
 - Need “targeted” LSP attribute
 - Require PCEP extensions

Next steps

Get feedback from the WG whether such extensions are needed.

Feedback on the solutions

(Authors preference is a LABEL_SET sub-object)

Refine the document based on comments and discussions.

Questions?