

RSVP-TE Recovery Extension for data plane initiated reversion and protection timer signaling

draft-takacs-ccamp-revertive-ps-09.txt

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Outline

- Requirements
- Updates since last version
- Solution
- Next Steps

Requirements

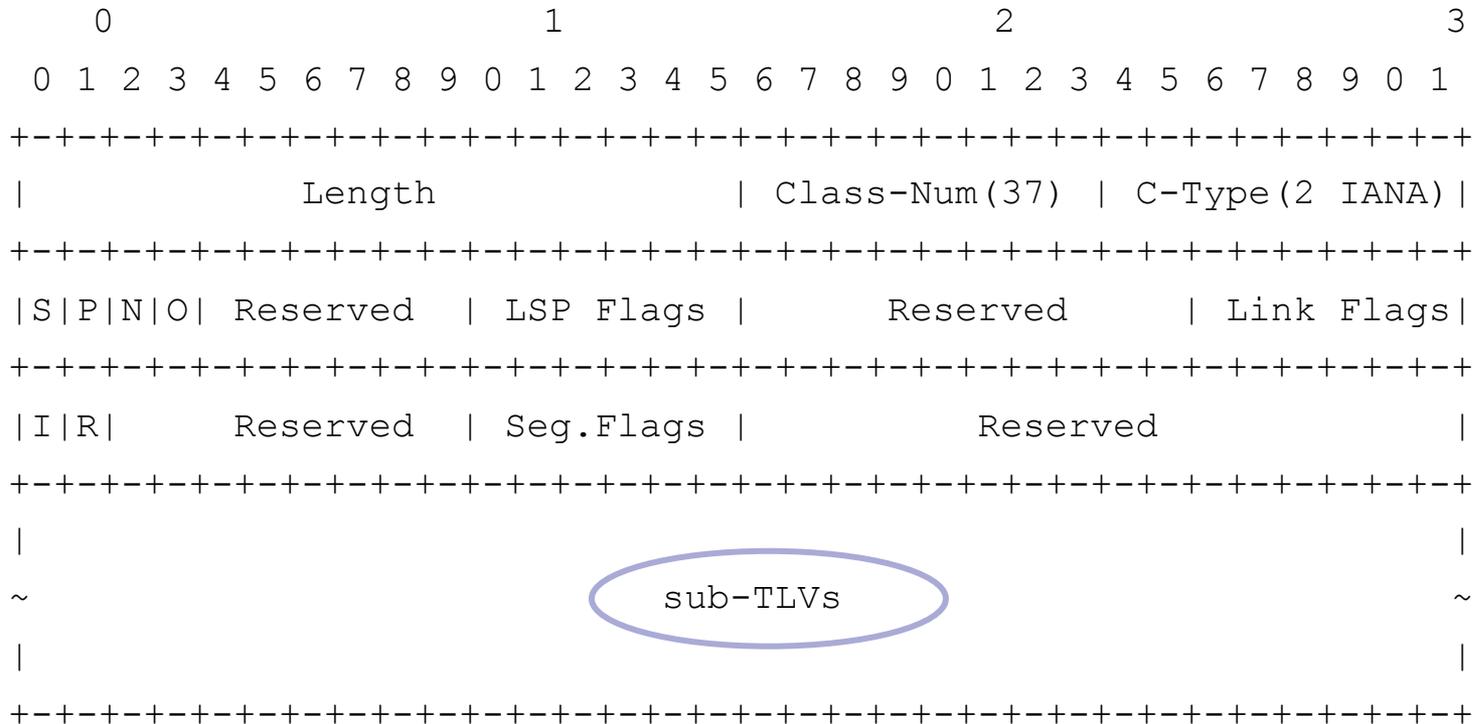
- For successful establishment of a protected service, Ingress and Egress nodes need to agree on the following protection attributes:
 - Protection Revert Mode (i.e., revertive or non-revertive) [RFC4427]
 - Hold-off time (HOFF) [RFC4427]
 - Wait-to-Restore time (WTR) [RFC4427]
- Pre-configuration of these protection attributes on per LSP basis is neither desirable nor scalable.
- Currently RSVP-TE does not specify signaling of these protection attributes.

Update Since Last Version

- Lou, et al asked us to justify why we did not make use of OAM configuration framework to the mailing list.
- We followed-up and closed on the mailing list with the justification.
- Removed signaling SNC sub-type based on the feedback.

Solution

- Update Protection Object format (a new C-Type) allowing sub-TLVs



- Introduce WTR and HOFF sub-TLVs
- If the WTR timer value is set to 0, the protection switching operation mode is assumed to be non-revertive (otherwise revertive).

Next steps

- Draft has been through various revisions and is quite stable
- We would like to make this draft a WG Document