draft-ietf-mpls-lsp-ping-mpls-tp-oam-conf-02

Configuration of Pro-Active Operations, Administration, and Maintenance (OAM) Functions for MPLS-based Transport Networks using LSP Ping

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Overview

OBJECTIVE

To specify the mechanisms necessary to establish MPLS-TP OAM entities

to configure pro-active MPLS OAM functions.

- *BFD CC and CV*
- *Performance Monitoring Loss*
- *Performance Monitoring Delay*
- *Fault Management Signal*

Previous Version

Changes respect to the previous version [1]

- Major changes in the following sections in order to de-emphasize BFD
  - –
  - Section 1 – Introduction
  - Section 2 – Overview of MPLS OAM

- Section 3 - Theory of Operations
  - Changes in BFD configuration:
    - **CC&CV functions** are now part of the same functionality, it is not possible anymore to activate them separately
    - **Detect Multiplier** has been deleted from the configurable parameters because it has been fixed to value 3 in draft-ietf-mpls-tp-cc-cv-rdi-05
    - –
    - **Encapsulation** capability flags: allow to set either G-ACh encapsulation or UDP encapsulation
    - **Bidirectional/Unidirectional** flag

Changes respect to the previous version [2]

New ***"Performance Monitoring TLV"*** in order to allow configuration flags for Loss, Delay and Throughput Measurements that can't be handled in the corresponding sub-TLVs. Such flags are aligned with loss-delay-04

D: Delay Inferred/Direct

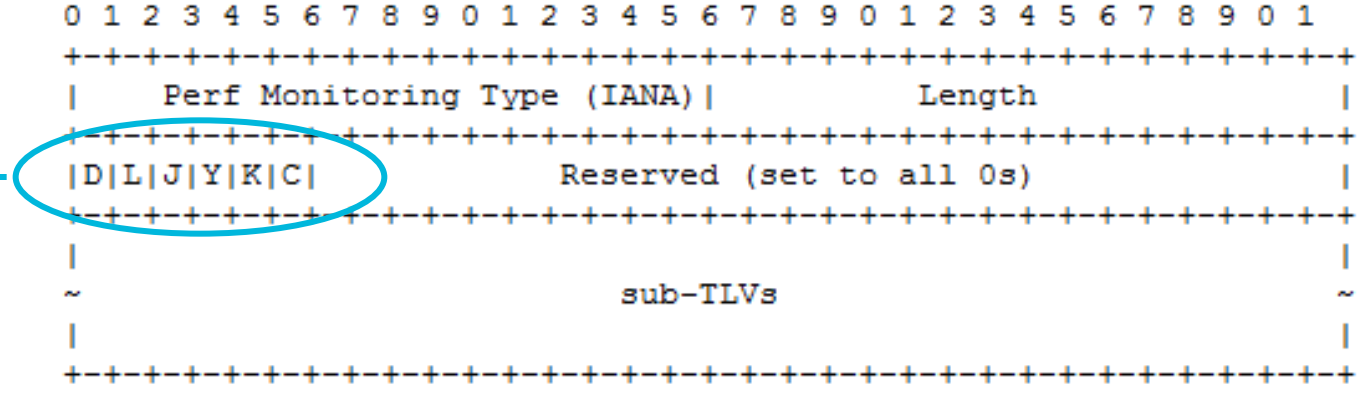
L: Loss Inferred/Direct

J: Delay variation/jitter

Y: Dyadic

K: Loopback

C: Combined



› Loss and Delay TLV are now sub-TLV of the new Performance monitoring TLV

› Loss and Delay sub-TLVs have been updated in order to conform to the new version of draft-ietf-mpls-loss-delay-04

Next Steps

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draft-ietf-mpls-tp-cc-cv-rdi-05

Continue keeping the three configuration drafts aligned

draft-ietf-mpls-lsp-ping-mpls-tp-oam-conf

draft-ietf-ccamp-rsvp-te-mpls-tp-oam-ext

– draft-zhang-mpls-tp-pw-oam-config (configuration for PW)

› **Authors think the document it is ready for last call**

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