

# MPLS-TP CV Advertisement in PW VCCV

draft-mirsky-mpls-tp-cv-adv-00

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# Problem Statement

- PE can support multiple CV Types (actually CC Types)
- Only two bit fields in CV Types field of VCCV Interface Parameter sub-TLV currently available
- RFC 6428 introduces Coordinated and Independent modes of CV monitoring
- Combination of two modes with two functional use of BFD message (Fault Detection Only and Fault Detection and Status Signaling) produces four new CV Types
- Not enough space in CV Types field!

# VCCV Extended CV Advertisement sub-TLV

Type	Length	Reserved	CV Types
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Type - IANA to reserve a new PW Interface Parameters Sub-TLV, 0x19 expected

Length – number of octets in the TLV

Reserved – set to 0 on transmit and ignored on receive

CV Types – following values defined:

0x01 – independent mode for PW Fault Detection only

0x02 – independent mode for PW Fault Detection and AC/PW Fault Status Signaling

0x04 – coordinated mode for PW Fault Detection only

0x08 – coordinated mode for PW Fault Detection and AC/PW Fault Status Signaling

Can be used only if VCCV CV sub-TLV present

# Next steps

- Solicit comments & feedback from the WG