

# Use Cases and Requirements for MPLS-TP multi-failure protection

draft-cui-mpls-tp-mfp-use-case-and-requirements-03.txt

Zhenlong Cui, Rolf Winter (NEC)

Himanshu Shah (Ciena)

Sam Aldrin (Huawei)

Masahiro Daikoku (KDDI)

# Updates in -03

- Architecture
  - Deleted the limit of  $n \geq m$ .
- Use cases
  - $m:1$  is separated from  $m:n$ .
  - Detailed description on  $m:1$  cases
    - Pre configuration
    - On-demand configuration
    - On-demand activation

# Detailed description on m:1 cases

- Pre configuration
  - backup paths is preconfigured before detect a failure.
- On-demand configuration
  - When detected a failure,  $m^{\text{th}}$  ( $m > 2$ ) backup paths will be configured by control-plane or NMS.
- On-demand activation
  - When detected a failure, resource allocation for pre configured backup paths will be activated by both ingress node and egress node.

# Next steps

- We like to make this draft a WG document.