draft-koike-mpls-tp-temporal-hitless-psm-03

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Overview

- Backgrounds and detailed requirements of new hitless and temporal path segment monitoring based on section 3.8 of OAM framework

- Elaborates differences from Sub Path Maintenance Element (SPME)

- Relevance for OAM tools:
  - Intended for on-demand (temporal) OAM functions.
  - In particular, mandatory for performance monitoring (LM and DM) to localize a degraded point in a transport path

- Further considerations on
  - Single- vs Multi-level monitoring
  - Independency from pro-active OAM functions
  - Flexibility in setting of segment

- Applicable in both per-node and per-interface model

Updates from ver2

- New co-authors
Mr. Manuel Paul (Deutsche Telekom)
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- Reflected minor comments in off-line discussion

Changes to be reflected in the next update (-04)

- Refined requirements on hitless and temporal segment monitoring

- Considering how to handle the issue of TTL distance in such as protection events shown in section 3.8 of OAM framework draft (temporarily invalidating OAM information)

- Add note that this draft will need IETF consensus

Next steps

- Solicit further comments on ver.3

- Update the draft very shortly

- Invite further comments on ver.4

- Ask for WG poll

Thank you