Updates

• Mr. Alessandro D‘Alessandro of Telecom Italia joined as a co-author.
• Reflected comments from mailing-list discussion
• Aligned the network objectives with the descriptions in 3.8 of mpls-tp-oam-framework
• Added an example of Sub-path Maintenance Element (SPME) to clarify the necessity of the enhanced in-service segment monitoring
• Added requirements for enhanced in-service segment monitoring
(1) On-demand hitless segment monitoring at least in single layer

✓ On-demand and in-service “single-layer” hitless segment monitoring is mandatory. It provides a method for a defect localization.
✓ On-demand and in-service “multi-layer” hitless segment monitoring is optional. Multi-layer measurements in parallel achieve a strict and efficient defect localization by using the results of the same time flame.
from proactive monitoring of ME

• “On-demand and in-service” segment monitoring should be supported without disabling the pro-active monitoring of an original transport path.

Note: Bandwidth design for OAM packets used by the on-demand and in-service segment monitoring is operators’ design issue.
(3) Diagnostic procedures for defect localization

- On-demand and in-service segment monitoring should be
- On-demand and in-service segment monitoring should be

Flexible segment monitoring: proposed

Constrained segment monitoring: not reasonable

is not desirable because it limits deployment scenarios
Summary of additional requirements

• On-demand and in-service “single-layer” segment monitoring is proposed. Multi-layer segment monitoring is optional.

• “On-demand and in-service” single layer segment should be done independently from pro-active monitoring of an original ME of a transport path.

• On-demand and in-service segment monitoring should be able to be set in an arbitrary segment of a transport path.
Next Steps

operators

- Reflect comments from Deutsche Telekom
- Mr. Manuel Paul joins as a co-editor

• Request to make this a WG draft
Thank you