

# Active OAM for SFC Networks

draft-ietf-sfc-multi-layer-oam

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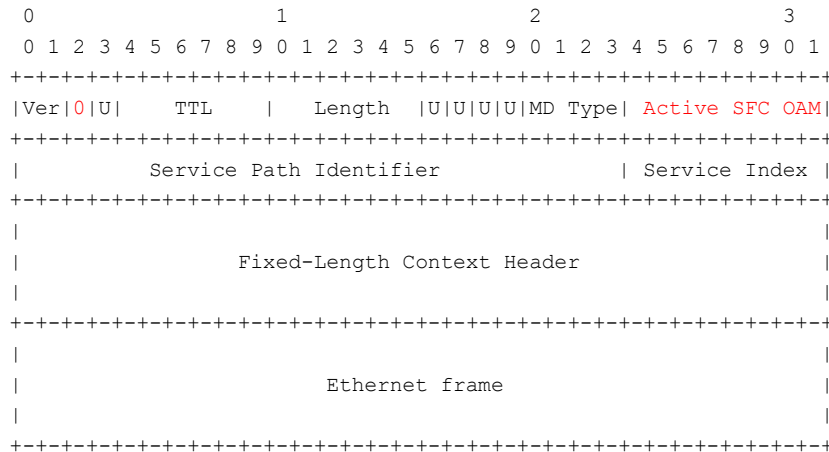
# Update

- Include the case suggested by Adrian
- Address comments and suggestions by Dirk von Hugo
  - SFC Echo Request Reception
  - Return Codes
  - SFC Echo Reply Reception
  - IANA Considerations:
    - SFC Echo Return Codes
    - SFC Echo TLV Types



# O bit and the Next Protocol interpretation II

- O bit is clear and the Next Protocol value is one of identifying active or hybrid OAM protocol MUST be identified and reported as the erroneous combination. An implementation MAY have control to enable processing of the OAM payload. For example, in case the Fixed-Length Context Header being used:



- ... the recommendation to avoid combination of OAM in a Fixed-Length Context Header or Variable- Length Context Header(s) and in the payload immediately following the SFC NSH because there is no unambiguous way to identify such combination using the O bit and the Next Protocol field.

# IANA Considerations

- SFC Echo Return Codes:

Value	Meaning
0	No Return Code
1	Malformed echo request received
2	One or more of the TLVs was not understood

- SFC Echo TLV:

Value	Description	Reference
0	Reserved	This document
1- 32767	Mandatory TLV, unassigned	IETF Review
32768 - 65279	Optional TLV, unassigned	First Come First Served
65280 - 65519	Experimental	This document
65520 - 65534	Private Use	This document
65535	Reserved	This document

# Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated