

# On-Path Telemetry for Active Performance Measurements

draft-fioccola-ippm-on-path-active-measurements-00

Vancouver, Jul 2024, IETF 120

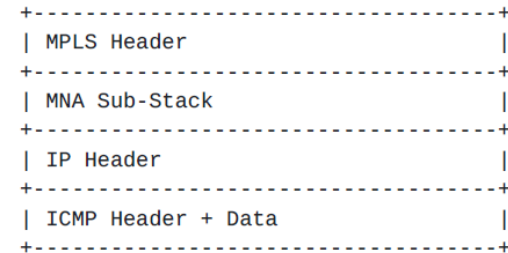
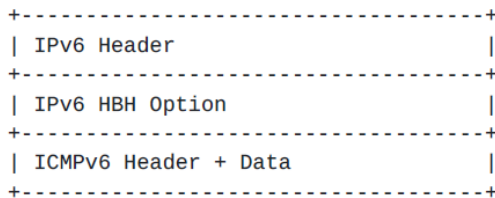
Giuseppe Fioccola  
**Huawei**

# On-Path Telemetry for Active Performance Measurements

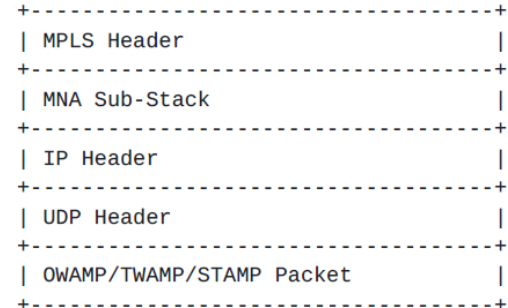
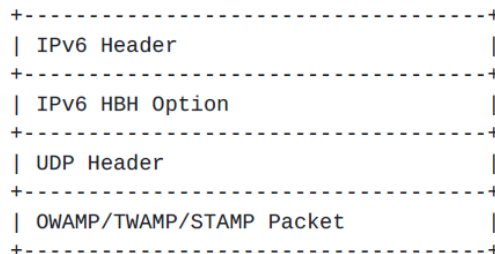
In several scenarios it is beneficial to perform HBH and E2E active measurements.

- Active test packets can be used in combination with Hybrid Methods to perform On-path Active Performance Measurements.

## ICMP and ICMPv6



## OWAMP, TWAMP and STAMP



The IPv6 HBH options (AltMark or IOAM) augments the active measurement methods by enabling on-path HBH measurements together with E2E measurements.

- This approach is not adding any new functionalities to ICMPv6, OWAMP, TWAMP or STAMP, but it is only leveraging existing mechanisms.
- It is possible to use YANG to configure, and IPFIX or YANG notifications to report telemetry information (STAMP TLV has also been proposed in draft-ietf-ippm-stamp-ext-hdr).

Thank You

Comments are welcome!