

# OAM Capabilities for IPv6

Draft-bonica-6man-comp-rtg-hdr

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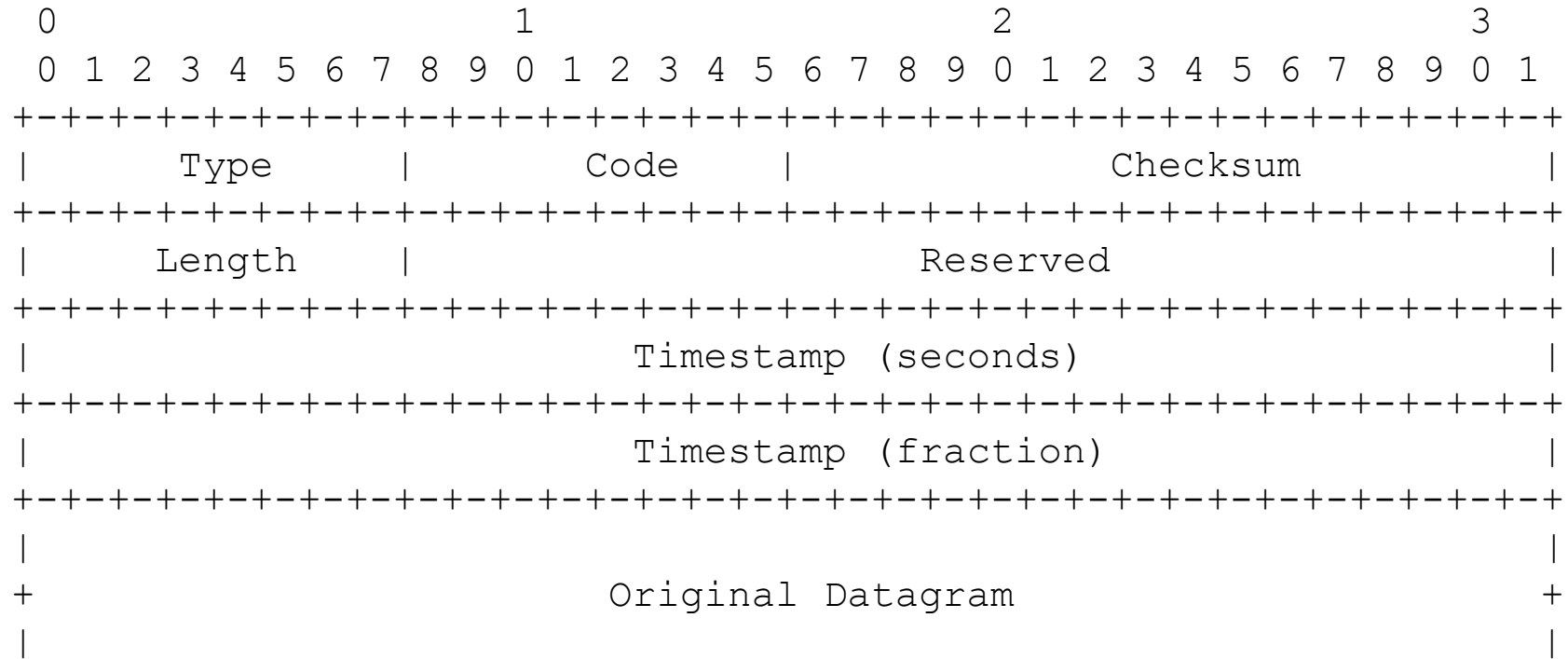
# IPv6 OAM Option

- Elicits OAM Action at processing node
  - Log a packet
  - Count a packet
  - Send ICMP message to the packet's source
    - Rate limited
  - Send telemetry
- Can appear in the following IPv6 extension headers
  - Hop-by-hop
    - Processed by every node in the path
  - Destination options preceding Routing header
    - Processed by each segment endpoint
  - Destination option preceding upper layer header
    - Processed by ultimate destination

# IPv6 OAM Option (continued)

- Option Type – OAM
  - Act bit – When unrecognized, skip (00)
  - Chg bit – Do not modify (0)
- Option Data Len – 2 bytes
- Option Data (flags)
  - Log
  - Count
  - Send ICMP
  - Send Telemetry
  - Reserved

# ICMP OAM Message



# Next Steps

- Call for adoption in 6man WG