

draft-kumar-spring-sr-oam-requirement-00

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Goals

- Describe functional requirements for OAM in Segment Routing based network
- Requirements are generic to both MPLS and IPv6 data planes
- And also focuses on OAM from centralized controller device(s)
- Requirements are listed in a numbered list (currently REQ#1 to REQ#16)

Currently Listed Requirement Areas

- On-demand & Continuous
- In-band traversal
- Best-Path/ECMP/UCMP/Any-Path
- CV & CC
- Initialized from anywhere (i.e., arbitrary node, controller dev)
- Fault isolation
- Loss, delay measurements
- Minimal state (no per path state other than in the Initiator)
- Centralized
- Others.

Next Steps

- Good discussion on the list. Looking for more comments/contributions to solidify SR OAM requirements