Monitoring Mechanism Requirements

• SR Policies do not require any signaling.
  • Monitoring mechanism cannot rely on boot strapping during signalling phase.

• SR Policies result in the state being instantiated only at the head-end node and no other node in the network.
  • Monitoring mechanism should not create states at any other node, except the headend of the SR policy.

• In many deployments, SR Policies are instantiated dynamically and on-demand.
  • Need to validate the path before using it.
  • Faster session activation for the monitoring mechanism is desired.

• SR Policies can be instantiated for MPLS and IPv6 data-planes
  • Monitoring mechanism should work for both MPLS and IPv6 data-planes.
Applicability of Seamless BFD to SR Polices

• BFD state and Client Context at head-end only
  • Tail-end only validates BFD packet and respond, no need for BFD session at the tail-end

• Faster session activation
  • No tail-end BFD session bootstrapping delay
History of the Draft

- draft-ali-spring-bfd-sr-policy-00 was published in March 2018.
  - It was presented at IETF101 in London.
- draft-ali-spring-bfd-sr-policy-01 was Sept. 2018.
  - Refresh with minor editorial changes.
  - Addressed comments received on the list.
  - Added “Controlled Return Path” section to address comments received on the list.
Next Steps ...

• Authors have address all outstanding comments on the draft.
• The authors like to request the WG for adoption.