

IETF 105, IPPM WG [draft-geib-ippm-connectivity-monitoring](#)

Scope:

Monitor Segment Routed subpaths or links to detect and locate loss of connectivity and congestion.

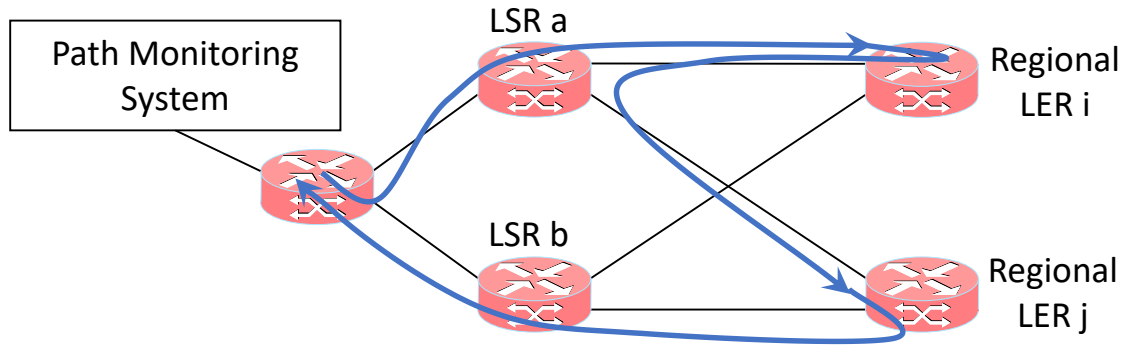
Properties:

- Designed to monitor network sections with known topology.
- One measurement path per monitored link (or 0,5 per monitored interface).
- Change point detection doesn't require well synchronised timestamps.
- Applies segment routing to allow for an a priori designed network tomography evaluation and a limited number of monitoring systems.
- Round-Trip Delay and One-Way Delay estimate of the monitored link or path.

Aim:

- Standardise suitable metrics.
- Interested? Read and comment.

Set-up of each individual measurement path (one only shown):
 1 round trip, 1 downstream & 1 upstream pass of different monitored LSR – LER IFs.



Detection of events (different measurement paths combine as shown below to create an individual measurement path combination per monitored interface):

