IETF 104, 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.

**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):