draft-ali-spring-ioam-srv6-03
Segment Routing Header encapsulation for In-situ OAM Data

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History of the Draft

- The work started in October 2018.

- It was first presented in the Spring WG in November 2018.

- It has been presented in IPPM and 6man WGs (a multiple times).

Summary of the Draft

- Defines how iOAM data fields defined in [I-D.ietf-ippm-ioam-data] are transported in SRv6 Networks.

- iOAM data field are carried in the SRH, using a single pre-allocated SRH TLV.

- Defines procedure for the Ingress node.

- Defines processing at the Segment Endpoint Node.

- Defines procedure for the Egress node.

- The draft does not introduce any new procedure or iOAM encoding defined in IPPM WG.

Procedure – Ingress Node

- Ingress node MAY insert the IOAM TLV in the SRH of the data packet.

- Based on the size of the segment list (SL), the ingress node pre-allocates space in the IOAM TLV.

- The ingress node MAY also insert the IOAM data about the local information in the IOAM TLV in the SRH.

Procedure – SR Segment Endpoint Node

- If an IOAM TLV is present in the SRH and is supported by the segment Endpoint node, the SR segment endpoint node MAY add local node data at the pre-allocated position in the IOAM TLV.

Procedure – Egress Node

- The processing of IOAM TLV at the Egress node is similar to the processing of IOAM TLV at the SR Segment Endpoint Node.

- The Egress node telemeters the IOAM data to an external entity.

Next Steps

- The authors would like the WG feedback.