



IETF 103 – Bangkok  
November 2018

# draft-ali-spring-ioam-srv6-00

Segment Routing Header encapsulation for In-situ OAM Data

*Zafar Ali - Cisco Systems ([zali@cisco.com](mailto:zali@cisco.com)) – Presenter*

*Rakesh Gandhi - Cisco Systems ([rgandhi@cisco.com](mailto:rgandhi@cisco.com))*

*Clarence Filsfils - Cisco Systems ([cfilsfil@cisco.com](mailto:cfilsfil@cisco.com))*

*Frank Brockners – Cisco Systems ([fbrockne@cisco.com](mailto:fbrockne@cisco.com))*

*Nagendra Kumar - Cisco Systems ([naikumar@cisco.com](mailto:naikumar@cisco.com))*

*Carlos Pignataro – Cisco Systems ([cpignata@cisco.com](mailto:cpignata@cisco.com))*

*Cheng Li – Huawei ([chengli13@huawei.com](mailto:chengli13@huawei.com))*

*Mach(Guoyi) Chen- Huawei ([mach.chen@huawei.com](mailto:mach.chen@huawei.com))*

*Gaurav Dawra – LinkedIn ([gdawra.ietf@gmail.com](mailto:gdawra.ietf@gmail.com))*

# 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 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.
- 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 modify the IOAM TLV in SRH with local IOAM data.

# 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 may telemeter the IOAM data to a controller.

# Next Steps

- The authors would like to request WG for the review and the feedback.
- The authors would like the WG to adopt the document.