



**I E T F**

**6man WG**

**IETF 107 – Virtual (March 31, 2020)**

draft-ietf-6man-spring-srv6-oam-04.txt

## SRv6 OAM

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

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

Satoru Matsushima – Softbank ([satoru.matsushima@g.softbank.co.jp](mailto:satoru.matsushima@g.softbank.co.jp))

Daniel Voyer - Bell Canada ([daniel.voyer@bell.ca](mailto:daniel.voyer@bell.ca))

Mach Chen – Huawei ([mach.chen@huawei.com](mailto:mach.chen@huawei.com))

# List of Contributors

- Nagendra Kumar ([naikumar@cisco.com](mailto:naikumar@cisco.com))
- Carlos Pignataro ([cpignata@cisco.com](mailto:cpignata@cisco.com))
- Rakesh Gandhi ([rgandhi@cisco.com](mailto:rgandhi@cisco.com))
- Darren Dukes ([ddukes@cisco.com](mailto:ddukes@cisco.com))
- Frank Brockners ([fbrockne@cisco.com](mailto:fbrockne@cisco.com))
- Cheng Li ([chengli13@huawei.com](mailto:chengli13@huawei.com))
- John Leddy - Individual ([john@leddy.net](mailto:john@leddy.net))
- Robert Raszuk - Bloomberg LP ([robert@raszuk.net](mailto:robert@raszuk.net))
- Gaurav Dawra – LinkedIn ([gdawra.ietf@gmail.com](mailto:gdawra.ietf@gmail.com))
- Bart Peirens – Proximus ([bart.peirens@proximus.com](mailto:bart.peirens@proximus.com))
- Faisal Iqbal – Individual ([faisal.ietf@gmail.com](mailto:faisal.ietf@gmail.com))

# History of the Draft

- The first revision was posted in July 2017
- 11 revisions since the individual draft submission
- The WG LC started on December 4, 2019
  - <https://github.com/ietf-6man/srv6-oam> is used to post incremental changes
  - 17 commits are made to the github repository
  - The most recent changes has been posted as rev-4
- Actively discussed on the mailing list
  - Many thanks for your comments.

# Summary of Changes During LC

- Removed TLV section
- Clarified the externally observable behavior for the O-flag processing
- Added illustration section for O-flag processing
- Clarified scope of O-flag for passive OAM
- Added clarification text w.r.t. in-situ OAM and the use of O-bit for passive OAM
- Clarified processing of the O-Flag when SL = 0
- Added text to clarify the externally observable behavior related to the OAM process
- Removed END.OTP SID
- Added clarification text that no special OAM consideration is needed to handle PSP SIDs
- Removed section 4.1.3. on ICMP Error Reporting
- Added IANA consideration for O-flag registry.
- Many editorial changes

# Deployment Status

- 6 deployments of the draft in the production networks
  - Softbank, China Telecom, Iliad, China Unicom, CERNET2, MTN Uganda
- More deployments not publicly disclosed.

Source: draft-matsushima-spring-srv6-deployment-status

# Implementation Status

- Supported by at least 12 platforms with shipping implementation.
- Additional known implementations.

Source: `draft-matsushima-spring-srv6-deployment-status`

# Interoperability Status

- In March 2019, the European Advanced Networking Test Center (EANTC) successfully validated multiple implementations of the drafts.
- Results for Multi-vendor Interoperability Testing was showcased at MPLS World congress in April 2019.
- Authors are aware of additional private interoperability testing between different vendors.

Source: draft-matsushima-spring-srv6-deployment-status

## Next Steps

- Authors have addressed comments received from the WG.
- The authors request review the latest (rev-4) of the draft.