



I E T F

6man WG

IETF 107 – Virtual (March 31, 2020)

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

SRv6 OAM

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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 <https://tools.ietf.org/html/draft-ietf-6man-spring-srv6-oam-04>
- Actively discussed on the mailing list
 - Many thanks for your comments.

Summary of Major Changes

Summary of the Change	Email Record
Removed TLV section	https://mailarchive.ietf.org/arch/msg/ipv6/OTmMwY5YDdQgHJCDhAb1JHSAafc/
	https://mailarchive.ietf.org/arch/msg/ipv6/esi3EWdjWMEu9zSP-pjzxl2gEmw/
	https://mailarchive.ietf.org/arch/msg/ipv6/DMzEby75J5lmwsNbZTj8aTo9ZFs/
Added illustration section for O-flag processing	https://mailarchive.ietf.org/arch/msg/ipv6/GyMlcFWiZmS4CuVnsPZqJ8OGXFg/
	https://mailarchive.ietf.org/arch/msg/ipv6/esi3EWdjWMEu9zSP-pjzxl2gEmw/
Removed ICMP Error Reporting section	https://mailarchive.ietf.org/arch/msg/ipv6/DMzEby75J5lmwsNbZTj8aTo9ZFs/
Added normative text for the OAM process	https://mailarchive.ietf.org/arch/msg/ipv6/PtpQA-l6jOOUZ0tEUq7l_nbfkp8/
	https://mailarchive.ietf.org/arch/msg/ipv6/OTmMwY5YDdQgHJCDhAb1JHSAafc/
Removed END.OTP SID	https://mailarchive.ietf.org/arch/msg/ipv6/w0C0mwvFaSeMjTsyPDaRwpmMoH8/

Summary of Clarification Text

Summary of the Change	Email Record
Clarified scope of O-flag for passive OAM	https://mailarchive.ietf.org/arch/msg/ipv6/esi3EWdjWMEu9zSP-pjzx12gEmw/
Added clarification text w.r.t. in-situ OAM and the use of O-bit for passive OAM	https://mailarchive.ietf.org/arch/msg/ipv6/esi3EWdjWMEu9zSP-pjzx12gEmw/
Added clarification text that no special OAM consideration is needed to handle PSP SIDs	https://mailarchive.ietf.org/arch/msg/spring/Y1D6AKAtrSZBBFWbxD1T3OLZYy4/
Added IANA consideration for O-flag registry	https://mailarchive.ietf.org/arch/msg/ipv6/LKsWbnA0aWYem4AbHWrUURNd-3c/

Summary of Editorial Changes

Comment Reference	Email Record
Loa Anderson provided a detailed review with ~36 comments. All except 2 comments addressed	https://mailarchive.ietf.org/arch/msg/ipv6/LKsWbnA0aWYem4AbHWrUURNd-3c/
Detailed review from Zhenqiang	https://mailarchive.ietf.org/arch/msg/ipv6/DMzEby75J5ImwsNbZTj8aTo9ZFs/
Comments from Ron Bonica	https://mailarchive.ietf.org/arch/msg/ipv6/oSp3MWQxK3mFp0evY-Sp4AAPGNM/
Detailed review from Xiao Min	https://mailarchive.ietf.org/arch/msg/ipv6/eJE5QIZKX6xj6_iREafPSWYFi7w/
Comments from Greg Mirsky	https://mailarchive.ietf.org/arch/msg/ipv6/esi3EWdjWMEu9zSP-pjzx12gEmw/
Comments from Brian E Carpenter	https://mailarchive.ietf.org/arch/msg/ipv6/SkpyJyjZJUdDiFahgkAGwnq_IFw/
Other Misc. editorial changes	The list is non-exhaustive

Pending Changes

- Two pending comments from Loa Anderson
 - Making intro and abstract align with RFC7322 convention.
 - Changing notions used for interface addresses in the illustration.
 - Please see the following for details:
 - > <https://mailarchive.ietf.org/arch/msg/ipv6/LKsWbnA0aWYem4AbHWrUURNd-3c/>
- Bob Hinden's comments (via emails to authors)
 - XML File in Github
 - > Convert the document to XML version 3.
 - > Fixing references
 - IDNITS issues
 - Misc. editorial comments.

Deployment, Implementation and Interoperability Status

- Deployment Status
 - 6 known deployments of the draft in the production networks
 - > Softbank, China Telecom, Iliad, China Unicom, CERNET2, MTN Uganda
 - Additional undisclosed deployments
- Implementation Status
 - Supported by at least 12 platforms with shipping implementation.
 - Additional known implementations.
- 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
- Authors plan to address the pending comments
- Authors would like to request chairs to clarify the expected usage of 6man Github
- The authors request review of the latest version of the draft
 - <https://tools.ietf.org/html/draft-ietf-6man-spring-srv6-oam-04>