

Segment Routing IPv6 for Mobile User Plane

draft-ietf-dmm-srv6-mobile-uplane-10

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Introduction

- This document discusses the applicability of SRv6 to the user-plane of mobile networks (i.e., 3GPP N3, N9, N6 interfaces)
- This document standardizes:
 - An SRv6-based end-to-end mobile dataplane
 - ... in two modes, Traditional and Enhanced
 - Three interworking mechanisms for legacy N3 interfaces (IPv4/GTP, IPv6/GTP)

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1. Introduction

In mobile networks, mobility management systems provide connectivity

I-D History

- First revision of this draft posted in July 2017
- Adopted as WG item in November 2017

- Several parallel documents that evolved with this one:
 - draft-camarillo-dmm-srv6-mobile-pocs
 - draft-camarilloelmalcky-springdmm-srv6-mob-usecases

I-D History

- The last significant update to the document was rev07 (Nov 2019), to add the “Drop-in interworking” mode
- Rev08 was only a refresh
- Rev09 improved the document with the review requested by WG Chairs to **Carlos Jesus Bernardos**.
- Rev10 few typos/editorial fixed

Technology status

- PoCs:
 - **Sprint** in the context of their C3PO Project (M-CORD NGIC)
 - **Arashmid's** with Open Air Interface (OAI): showcased live in previous IETF
- Open-source implementations:
 - FD.io VPP (since rel 20.05) contributed by **Tetsuya Murakami**
 - P4 implementation contributed by **Kentaro Ebisawa**

Next steps

- Time for WG LC?