

Encoding Network Slice Identification for SRv6

draft-cheng-spring-srv6-encoding-network-sliceid-05

Weiqiang Cheng (China Mobile)

Guangming Yang (China Telecom)

Changwang Lin (New H3C Technologies)

Liyan Gong (China Mobile)

Shay Zadok (Broadcom)

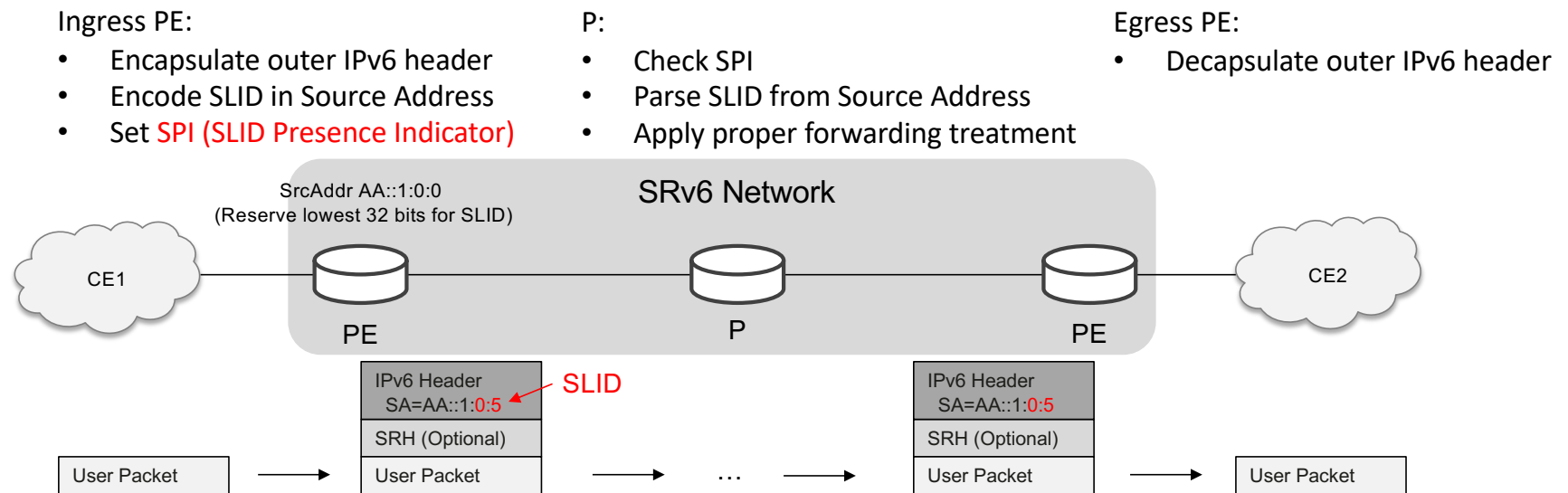
Mingyu Wu (CentecNetworks)

Xuewei Wang (Ruijie Networks Co., Ltd.)

IETF-115 Meeting, November 2022

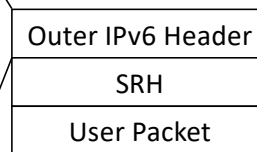
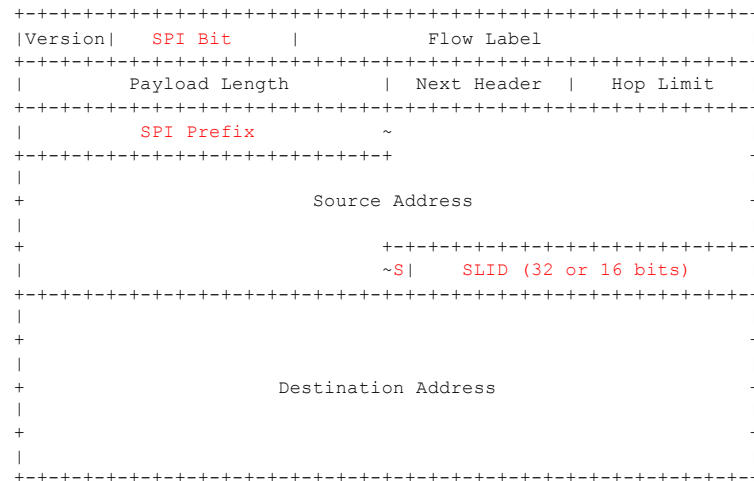
Why are we having this discussion here?

- This Draft describes a method to **encode SLID** (Slice identifier, May also be referred to as NRP-ID [I-D.ietf-teas-ietf-network-slices]) **in the source address of IPv6 header**
- Spring suggests that it modifies the usage of IPv6 header fields and should be discussed in 6man, and we also look forward the comments from 6man.



SLID & SPI

- SPI (SLID Presence Indicator) is used to inform transit routers that a SLID is encoded.
- Two possible places in the outer IPv6 header for SPI:
 - SPI-bit in Traffic Class
 - SPI-Prefix in Source Address



Governed by local policy and uniform within the SR domain:

- The length of SLID
- The position of SPI bit, or the assignment of SPI prefix