

IETF 104 – Prague
Mar 2019

RFC8287 Sub-TLV Length Clarification

(draft-ietf-mpls-rfc8287-len-clarification)

Nagendra Kumar Nainar

Carlos Pignataro

(Cisco Systems, Inc.)

Faisal Iqbal

Individual

Alexander Vainshtein

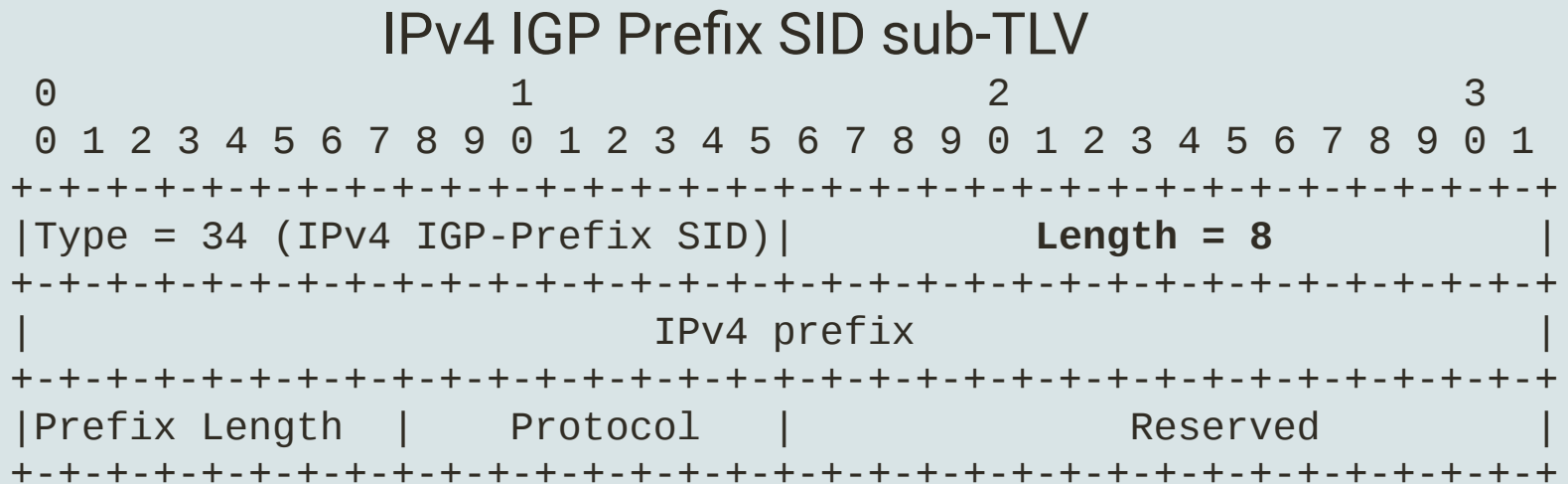
(ECI Telecom)

Problem Statement

- RFC-8287 defines SR-IGP Prefix SID and Adjacency SID FEC extensions for MPLS LSP Ping and Traceroute.
- Defines the Target FEC Stack sub-TLVs, their format, and handling procedure.
- Does not explicitly specify how the length of Segment ID TLVs should be computed for inclusion in Length field of TLV header.
- As vendors are implementing MPLS OAM for SR-MPLS using RFC-8287, there is a need to clarify how the length of sub-TLV should be computed to avoid interoperability issues.

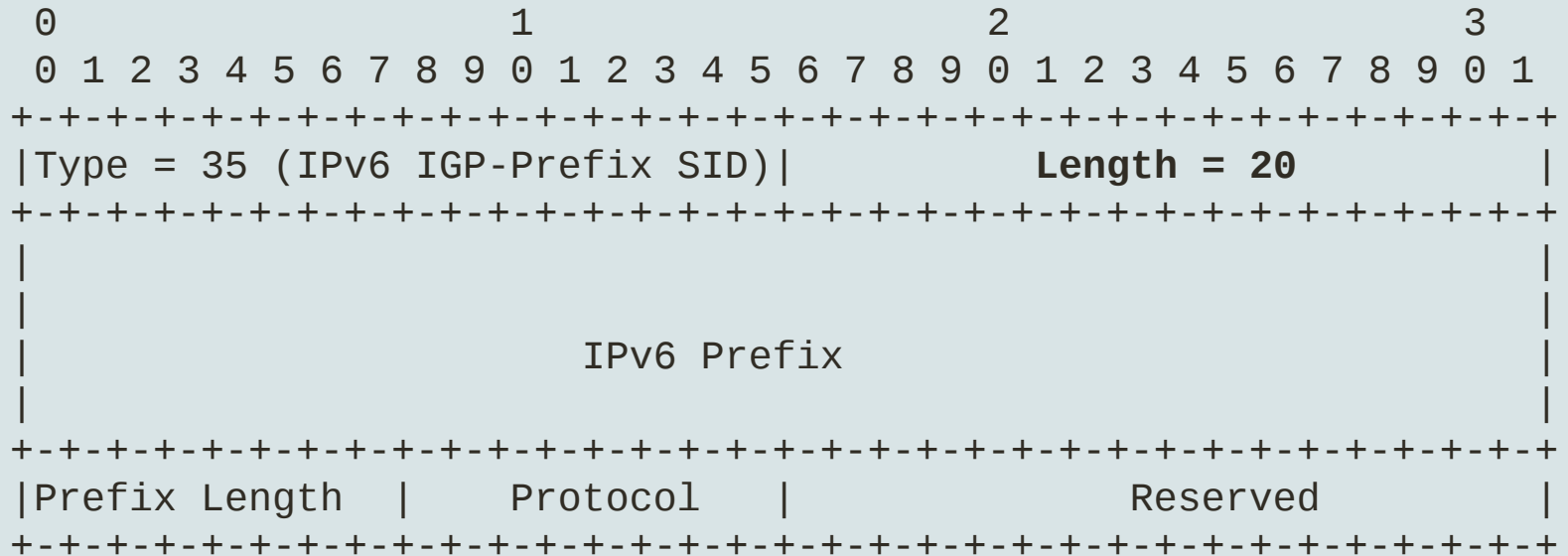
RFC-8287 Sub-TLV Length Clarification

- This I-D clarifies the length field the TFS sub-TLVs defined in RFC-8287.
- Length calculation MUST include Reserved field.



IPv6 IGP Prefix SID sub-TLV Length

IPv6 IGP Prefix SID sub-TLV



I-D Status

- Recently adopted as WG document
 - Surgical fix that is required immediately for interop

- Next Steps:
Seeking
 - WG feedback;
 - WGLC

- Thank you!