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IETF 109 – Online
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IDR Working Group

draft-ietf-idr-segment-routing-te-policy

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Overview & Status

- BGP SR Policy SAFI introduced for signaling of SR Policies from controllers to headend(s) via BGP
 - It is the companion document of draft-ietf-spring-segment-routing-policy and covers the BGP protocol encoding part only
- Stable draft with multiple implementations and deployments
 - First individual draft version posted in 2016
 - WG adopted in 2017
 - Last presented in IETF 106
- The SR Policy Architecture (draft-ietf-spring-segment-routing-policy) is also getting ready to for WGLC in SPRING WG

Overview of Updates (in the past year)

- Changes related to alignment with SR Policy Architecture Draft
 - Existing “name” sub-TLV was for SR Policy Candidate Path Name
 - New sub-TLV added for SR Policy Name
- Clarification for the use of Route Origin Community
- Changes related to SRv6 for alignment with SRv6 Network Prog Draft
 - Details in the next slide
- IANA Considerations updated to refer to Tunnel Encaps draft where the Color ExtComm Flags field registry is now created
- Other editorial fixes, clarifications and nits (thanks to the WG for pointing them out!)

Alignment with SRv6 Network Prog. Draft

- Introduction of the SRv6 Binding SID sub-TLV
 - MAY have multiple BSIDs associated to the same SR Policy
 - Also indicate the desired behavior
 - Clarifications on the use of existing Binding SID sub-TLV for SRv6
- Updated SRv6 Segment Types (B, I, J & K)
 - Enabled the optional signaling of Algorithm, SRv6 Endpoint Behavior and SID structure
 - Previous sub-TLVs are proposed to be deprecated to ensure no backward compatibility issues (now kept in the appendix)

Next Step – Preparing for WGLC

- Implementation report is updated (with 2) but aware that there are more (please update)

<https://trac.ietf.org/trac/idr/wiki/draft-ietf-idr-segment-routing-te-policy%20implementations%20>

- Plan for WGLC once the SR Policy Architecture WGLC is done in Spring WG?