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
    - Now prepare for WGLC …

- The SR Policy Architecture (draft-ietf-spring-segment-routing-policy) is also stable with multiple implementations and likely to start WGLC soon in SPRING WG

Overview of Updates in v08

- Error Handling aspects consolidated

- IANA Considerations updated

- Security Considerations added

- Updated text to reflect the discussion on use of RT on the list

- Align with Segment Types updated in SR Policy draft to avoid mix-up with codepoints

- Updated codepoints allocated via Early Allocation process

- Minor editorial updates

Error Handling

- Consolidated all Error Handling procedures in a new Sec 5 that covers these aspects
- Treat-as-withdraw for all errors related to TLVs/sub-TLVs and procedures defined in this document
- AFI/SAFI disable or session-reset for errors when the NLRIs cannot be parsed
- Clarified that Semantic Validation of information in TLVs/sub-TLVs that are consumed by SR Policy processing (i.e. not used by BGP) is not performed by BGP.

IANA Consideration

- Add request for new Registry for Color Extended Community Field for the 2 CO (color-only) bits defined in this document

- Changed allocation policy to Specification Required since the flags and some other fields are very small space for FCFS policy

- Added guidance for DE

Next Step – Preparing for WGLC

- Request WG review & inputs
- Update implementation report on IDR wiki