BGP-Based SPF
IETF Interim1

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Status Update

- Draft is now a wg document
  - 01 version submitted on 05-31-18
  - Received a lot of positive comments during the draft acceptance call
  - Most of the comments are incorporated
Changes to Draft version 1

- BGP Peering models section updated
  - Text added to suggest using BFD for link liveness

- BGP SPF SAFI section updated
  - Removed support for VPN SAFI as it is not used in RFC 7752 and the VPN SAFI is applicable to overlay

- Node NLRI section updated for SPF algorithm types

- Added text for relevance of MRAI timer
Changes to Draft version 1 (Cont’d)

- Rearranged the text for BGP Decision process for better readability
- Next_hop manipulation section augmented to cover MP_REACH_ATTRIBUTE next-hop
- IANA section simplified and the new attribute values will be assigned from existing “BGP-LS Node Descriptor, Link Descriptor, Prefix Descriptor, and Attribute TLVs”
- Finally fixed all the reported Editorial Nits
Things to discuss

- Any Discovery support for neighbor adjacency
- Deployment Use Cases
- Should we adopt AS hop count as an alternative metric
- Preference of usage on normal versus strict SPF algorithms
- Sequence number mechanisms and its effect on restarts
Things to discuss (Cont’d)

- Multiple SPF domain partitioning - using area-id?
- Poll operator community for deployments