pim summary

SR+P2MP

- Since July 2020, pim (protocols for ip mcast) has had responsibility of p2mp sr in agreement with spring.
    - In process of making it official with charter update.
        - "Develop P2MP protocols including SR/SRv6 P2MP work per agreement with the SPRING WG. This may also require other P2MP protocols as requested from other Working Groups."
- We have adopted:
    - draft-ietf-pim-sr-p2mp-policy-04
    - draft-ietf-pim-p2mp-policy-ping-01
    - SR p2mp creates a policy to instantiate a p2mp tree by stitching replication segments together. The replication segment (draft-ietf-spring-sr-replication-segment) is defined in spring .
- Related work:
    - draft-hb-idr-sr-p2mp-policy modifies BGP-LS.
    - draft-ietf-pce-sr-p2mp-policy specifies extensions to PCEP to compute and initiate P2MP paths.
    - draft-ietf-bess-mvpn-evpn-sr-p2mp specifies extensions to BGP encodings and procedures for P2MP.

Others

- DR Improvement

  Have adopted two solutions 1) to make DR election more sticky. DR doesn't change, even if the newcomer has a higher priority. And 2) new BDR role which monitors DR and takes over the responsibility as DR fails in the LAN. Solutions may converge or one will progress.

  - draft-ietf-pim-dr-improvement
  - draft-ietf-pim-bdr

- Yang Drafts

- New drafts proposed involving pim light (no pim hellos needed to accept joins/prunes/asserts) and mrh (encoding p2mp path in IPv6 routing header).