

Re-Charter

PIM WG IETF 121 Dublin

Charter update

- We've progressed SR P2MP work in pim
 - We did this after discussion with spring on where the work should be done. The spring chairs and Routing ADs are in agreement to add this to our charter.
- We have existing drafts being held up by IESG due to the charter not being explicit enough...
- Way past time to re-charter. 2 week wglc.
- Next slide is existing charter followed by new charter with changes highlighted in red.

The Protocols for IP Multicast (PIM) working group, is chartered to work on multiple IP multicast protocols. The Working Group is responsible for the maintenance of PIM, IGMP, and MLD. The Working Group will work on the following specific items:

- 1) Management: YANG models for PIM, IGMP, and MLD will be developed, for both configuration and operational states. If updates to existing MIB modules are necessary, the WG may work on those.
- 2) Improve PIM authentication.
- 3) Improve and Extend PIM Join Attributes to support different types of multicast applications.
- 4) Optimization approaches for IGMP and MLD to adapt to link conditions in wireless and mobile networks and be more robust to packet loss.

Additional work items may be added with a recharter.

The WG should discuss and develop new ideas related to multicast protocols and distribution of multicast related information.

The WG is expected to use its extensive multicast knowledge to actively review and participate in WG Last Calls with multicast work that occurs in other WGs, such as MBONFD, LISP, MPLS, BFSS, ROU, and BIER. The WG

The Protocols for IP Multicast (PIM) Working Group is chartered to work on the development of IP multicast protocols. The Working Group is chartered to maintain, improve and add extensions to PIM, IGMP and MLD protocols including altering existing procedures for improvement within environments not optimal for multicast. The Working Group will also work on the following items:

- 1) YANG models for PIM, IGMP, and MLD will be developed for both configuration and operational states. If updates to existing MIB modules are necessary, the WG may work on those.
- 2) Develop P2MP Segment Routing protocols per agreement with the SPRING WG.
- 3) Develop PIM extensions to improve multicast distribution trees in LISP environments.
- 4) Improve and extend PIM Join Attributes to support different types of multicast applications.
- 5) Develop protocols to optimize and improve resilience in multicast networks.
- 6) Develop multicast group address allocation protocols.
- 7) Create multicast protocol design experience documents.

New ideas related to multicast protocols, and distribution of multicast related information, are welcome to be proposed to PIM. Adoption of such work, beyond the scope of the above areas or items, will require a recharter.

The PIM WG mailing list, and WG meetings, are open to support review discussions for multicast related work items from other WGs and RGs. Currently, such adjacencies exist for work in MBONED, LISP, MPLS, BELL, ROLL and BIER.