

# pim recharter

IETF 92 Dallas

# Status

- Relevancy (IETF and otherwise)
- Existing Charter
  - May take on work related to igmp/mld
  - Recharter if we take on yang modeling.
- Keep the name as pim
- Final rechartering after Dallas
- Primary proposed changes include adding:
  - YANG models for pim, igmp/mld
  - IGMP/MLD including wireless
  - Guide multicast in other WGs

# But, should we include?

- IGP based multicast where not otherwise specified?
- IP Multicast over 802.11

# Full recharter text

The PIM working group, so named because its scope was initially only Protocol Independent Multicast (PIM), is chartered to work on multiple 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 for PIM: YANG models for PIM, IGMP, and MLD will be developed. If updates to existing MIB modules are necessary, the WG may work on those.
- 2) Reliable PIM: The WG will develop mechanisms to improve the reliability of PIM signaling.
- 3) Improve PIM authentication: The WG will work on improvements to PIM authentication.
- 4) Improve and Extend PIM Join Attributes to support different types of multicast applications.
- 5) 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 distributing of multicast-related information. The WG must be explicitly rechartered to adopt any.

The WG should investigate any extensions needed to support BIER and BIER interworking. If additional work is required, then the WG may be rechartered to accomplish the specific extensions.

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 MPLS, BESS, ROLL, and BIER.