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IGMP/MLD-Based Explicit Membership Tracking Function for Multicast Routers

draft-ietf-pim-explicit-tracking-10

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Status

- Abstract
 - IGMP/MLD-based explicit membership tracking function for multicast routers and IGMP/MLD proxy devices supporting IGMPv3/MLDv2. The explicit membership tracking function contributes to saving network resources and shortening leave latency
- WGLC was passed
 - draft-ietf-pim-explicit-tracking-09
- IESG review was not completed
- Next actions
 - Revise the draft -> WGLC again -> IESG review (if passed)

IESG Review – 1

- IESG comment
 - It is not clear why this document should be the proposed standard document even there are no on-wire behavior changes
- Reply
 - WG agreed on PS. The explicit tracking is important for the scalability of multicast networks and the wrong implementation could seriously break IGMP/MLD if not implemented correctly. In this respect, we see this work as similar to RFC 4605 which was also published as Standards Track.
 - We will also add “Interoperability” section

IESG Review – 2

- IESG comment
 - Need to describe statements about what implementations must/should/etc. do if it's PS
- Reply
 - Will do in the revised draft
 - We did in -10
 - We also clarified several sentences in the document

Interoperability

- Section 9
 - There might be various ways to implement the explicit tracking function. Some existing implementations may not implement the mechanisms such as specific query suppression described in this document. Yet, the explicit tracking function does not change on-wire behavior, and the function or mechanisms described in this document do not break the interoperability between the existing implementations and the implementation based on this specification.
 - On the other hand, for the future implementation for the explicit tracking function, since this document specifies the minimum but effective sets of the explicit tracking function, it is RECOMMENDED to refer and follow this specification as the standard implementation for that function.

Conclusion

- 2nd WGLC?
- Please review the draft and give us comments
- After pass the WGLC, 2nd IESG review?