

# PIM Light

## Draft-ietf-pim-light-03

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# Changes to version 3 of the draft

- As per IANA PIM supports 12 messages, PIM Light Router (PLR) only supports message type 3 (Join/Prune)
  - PLR accepts Join/Prune messages on a PIM Light Interface (PLI) without creating a PIM adjacency and exchanging Hello messages.
- PIM Spars Mode
  - Lack of register message means, the Source, Designated Router (DR) and Rendezvous Point (RP) must be in the “SAME” PIM domain and can “NOT” be connected over PIM Light Interfaces.
- Lack of Hello Message
  - Since PLR doesn't process Hello Messages it is not aware of its neighbor's capability of processing the Join Attribute.
    - As such a PLR should process Arriving Join Attributes in the Join message unless it does not understand the type 1 encoded source Address.
  - DR selection should be done in PIM domain and not across PLRs.

# Changes to version 3 of the draft

- Failures in PLR Domain
  - Lack of Hello messages means multicast routes will not be pruned toward the source in PIM domain. Leaving the Source sending PDUs to leaves over a failed Pim Light Interface
    - Other protocols like BFD can be used between PLRs to signal failure on the PIM Light Interface and remove the interface from multicast state.

# Next Steps

- Comments
- Any other areas we need to cover?
- Draft-ietf-pim-light-00 was on 2022-09-20 submitted but not approved?

**Thank You!**