PIM Light

Draft-hb-pim-light-02

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Background

- The idea was born because of “last call” meeting of draft-ietf-bier-pim-signaling
  - Draft-ietf-bier-pim-signaling use PIM Join/Prunes and Assert messages to communicate the multicast state between two PIM domains over a BIER network

- RFC 7761 Section 4.3.1 describes that PIM Join/Prune or Asserts messages are not accepted from a router unless a Hello message has been Heard from that router.

- With PIM Light, ONLY PIM Join/Prunes are accepted from a Neighbor without receiving PIM Hello

Changes to version 2 of the draft

- Keeping the name as PIM Light
- The goal of the draft is to remove PIM Hellos and PIM adjacency between peers and still accepts MC States via accepting Join/Prune messages
  - As such any message that relies on the PIM Hellos to be accepted will not be supported.

- The new version of the draft removed Assert message from being accepted on a PLR.

- PIM light interface (PLI) configuration, 2 cases
  - If PLI is configured on a router interface explicitly, then the system only accepts PIM Join/Prune messages on the interfaces that have PLI configured on it.
  - If a router is automatically enabling PLI on a special interface, as an example BIER interface, then the router only accepts PIM Join/Prune messages on these special interfaces.

Next Steps

- Asking for adoption

Thank You!