PIM Light

Draft-hb-pim-light

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PIM Light, what is it

- 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, PIM Join/Prunes and PIM Asserts are accepted from a Neighbor without receiving PIM Hello
PIM Light, Limitations

- Lack of Hello Messages on a PIM Light Interface (PLI) means:
  - No mechanism to discover PIM neighbors
  - No DR Selection and DR Priority options.
  - The router doesn’t create any General-Purpose state for neighboring PIM router
PIM Light

- PIM with Zero calories!
- Desire to build multicast states between two or more directly connected or remote routers via PIM Joins/Prunes and Assert messages, without creating a PIM Adjacency
- The connecting interface or the transit network might not be optimized to create PIM neighborship
- As an example, a BIER network connecting two PIM domains.
  - draft-ietf-bier-pim-signaling
Next Steps

• Comments welcome
• Asking for adoption
Thank You!