

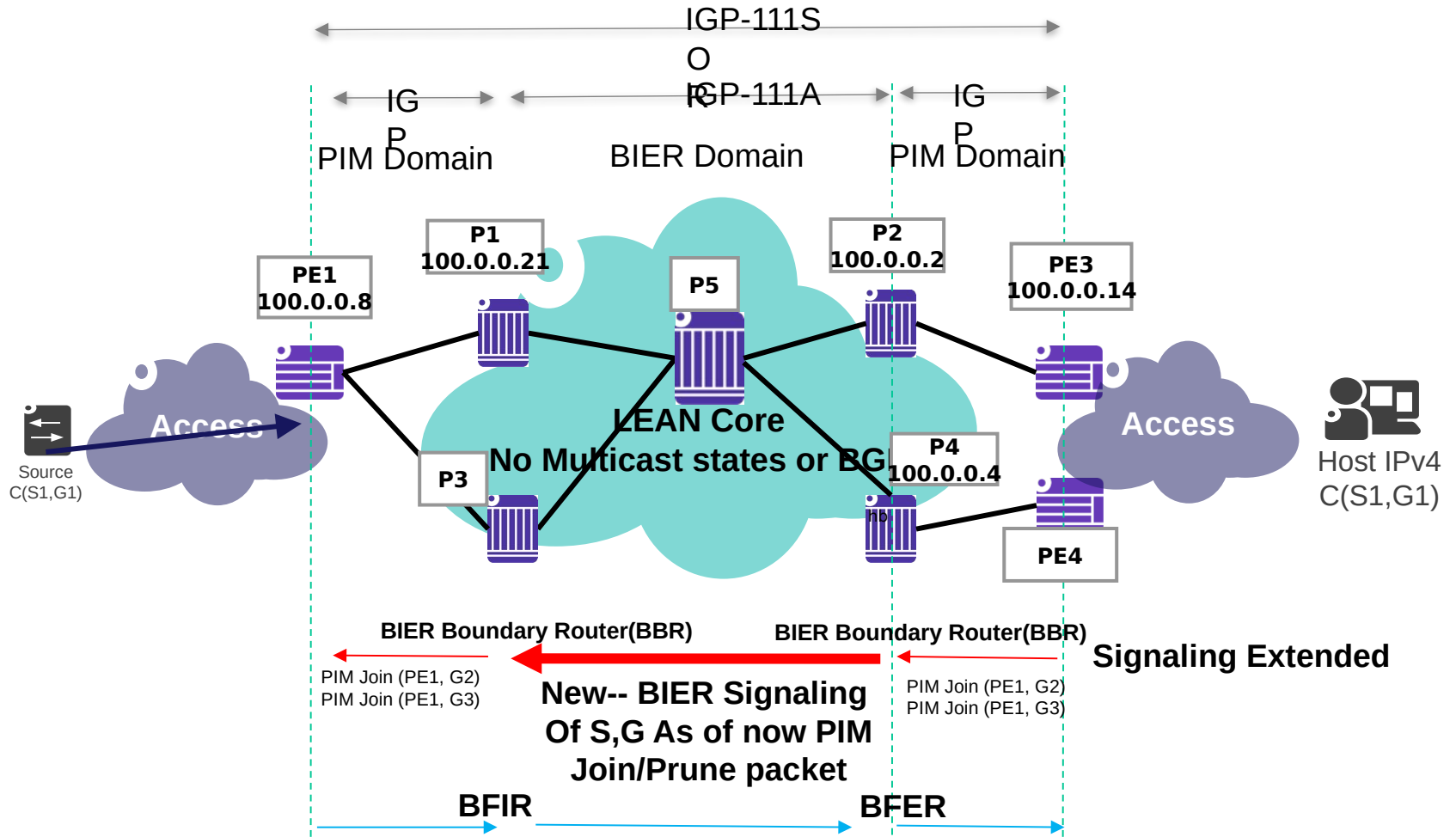
BIER PIM SIGNALLING

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Background

- **Some MNO/MSO providers are converging their core for wireless and wireline services.**
 - **“Lean core”, (BGP and Multicast state free) is ideal for designing a converge core via Segment Routing and BIER.**
 - **From multicast point of view BIER is ideal for these cores but extending it to all PEs (1000s) is operationally difficult and not necessarily desired (access networks design are proven and work fine it is core that needs to evolve)**
 - **Operators are concentrating with upgrade of the core historically (from PIM->mLDP tunneling, Rosen MVPN)**
- **Problem:**
 - **introduce BIER to the Core only (technology and operations) without a duplication from multi-SI to achieve the scale**
 - **Gradual upgrade to BIER starting with core and eventually upgrading the access to BIER aware hardware.**
 - **Reduce multicast states in the core and the access.**

Solution



Refresher

- Last call was done on this draft
- Shepperd review was done on this draft
- It was so close to become an RFC ☐
- The director suggested the team should mainstream the PIM signaling portion of the draft in a separate draft so we can reuse the concept for other functionalities as well.
- Hence with pim light was born.

Next Steps

- Will incorporate pim light into the draft
- Pim light should not change the solution in anyway