Learning Peer Interface ID

• Remote Interface Identifier needs to be learnt before it can be advertised
• We want to know the Remote Interface ID before the adjacency comes up
  • No delay in advertising the adjacency
Learning Peer Interface ID

We propose to exchange Local Interface ID in OSPF Hellos using the LLS extension (RFC5613)

• We are guaranteed to learn the neighbor local Interface ID before the adjacency is brought UP

• OSPFv3 includes Local Interface ID in Hellos

• ISIS includes the Interface ID in the P2P 3-Way Adj. State TLV, that is part of Point-to-Point IIH
Next Steps

- Get Feedback
- Make a WG document