

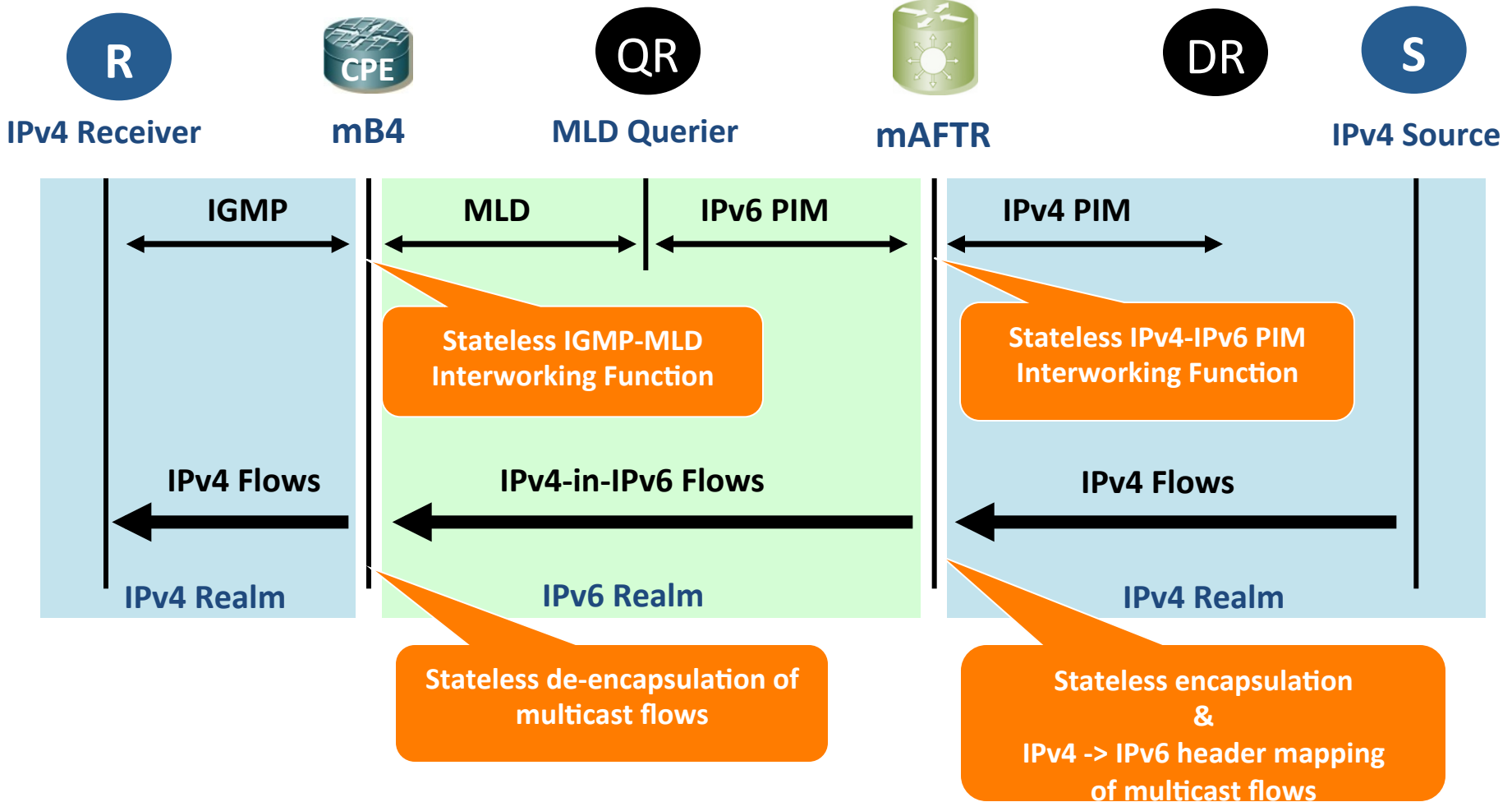
Multicast Extensions to DS-Lite Technique in Broadband Deployments

draft-qin-softwire-dslite-multicast-04

Xiaohong Deng

Context

- Deliver multicast service from IPv4 source to IPv4 receiver over IPv6 network by encapsulation



Overall procedures with involved interworking functions:
Need to provision the mB4 with mPREFIX64 and uPREFIX64

Addressing

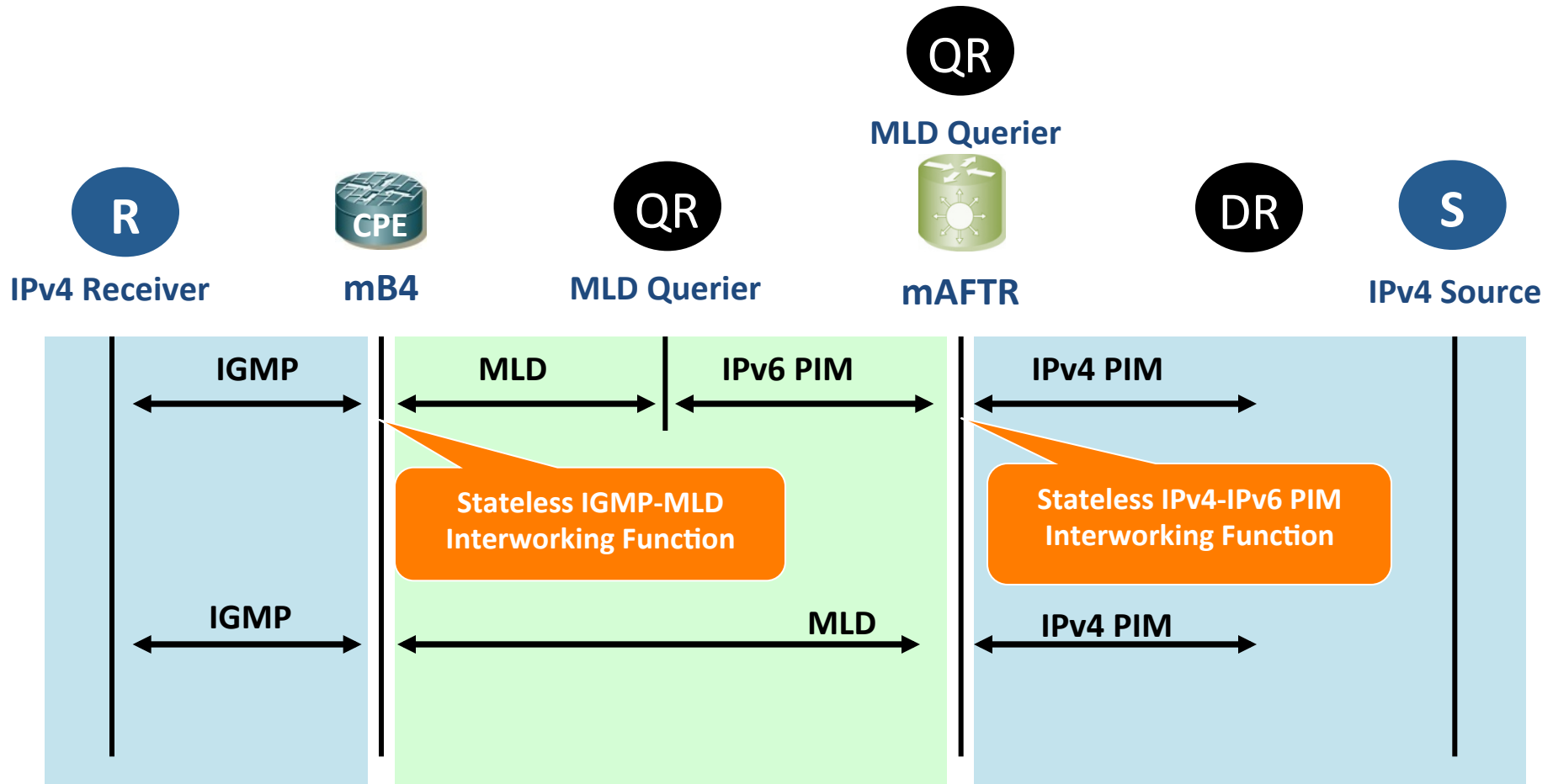
- Address Building
 - Use [I-D.boucadair-behave-64-multicast-address-format] to build multicast IPv4-embedded IPv6 addresses
 - Use [RFC6052] to build unicast IPv4-embedded IPv6 addresses representing IPv4 sources in the IPv6 realm
- All address translation in interworking functions are stateless

Operation Consideration

- The data packets received by the receiver are identical to the packets sent by the source regardless the mechanism
- RP Location for ASM
- Preserve layer 2 operations (IGMP snooping/proxy)
- Location of mAFTR

Location of mAFTR

IETF 81th



Comments & Questions

- *Questions?*
- *Anybody interested to participate?*
 - *Join the discussion in softwires WG/Mailing list*