

Prefix Delegation for Proxy Mobile IPv6

Zhou Xing Yue

(draft-zhou-netext-pd-pmip)

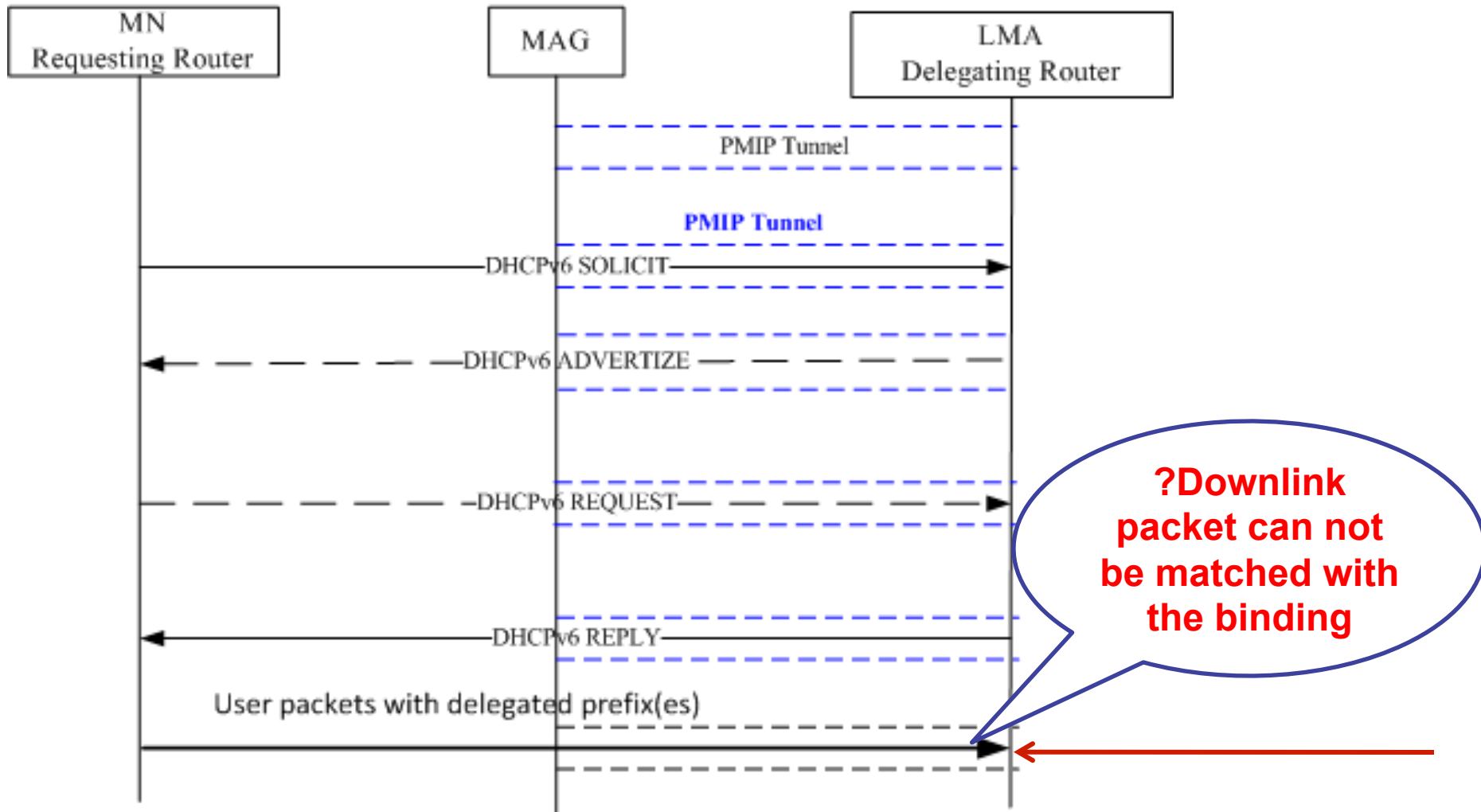
What is problem

- The objective of this draft is to support DHCPv6 based prefix delegation for a mobile node in a proxy mobile IPv6 domain.
 - The prefixes that are hosted on the MN-AR link are not delegated prefixes.
 - The objective of this is that the MN can obtain a set of delegated prefixes that it can use on its ingress interfaces.

Purpose of document

- This document identifies the considerations for supporting DHCPv6 PD in PMIPv6 environment.
 - DHCPv6 PD is already supported in Mobile IPv6 and we are extending to PMIPv6.
 - Prefix Delegation is already there in 3GPP on the GTP link and DSMIPv6 link.

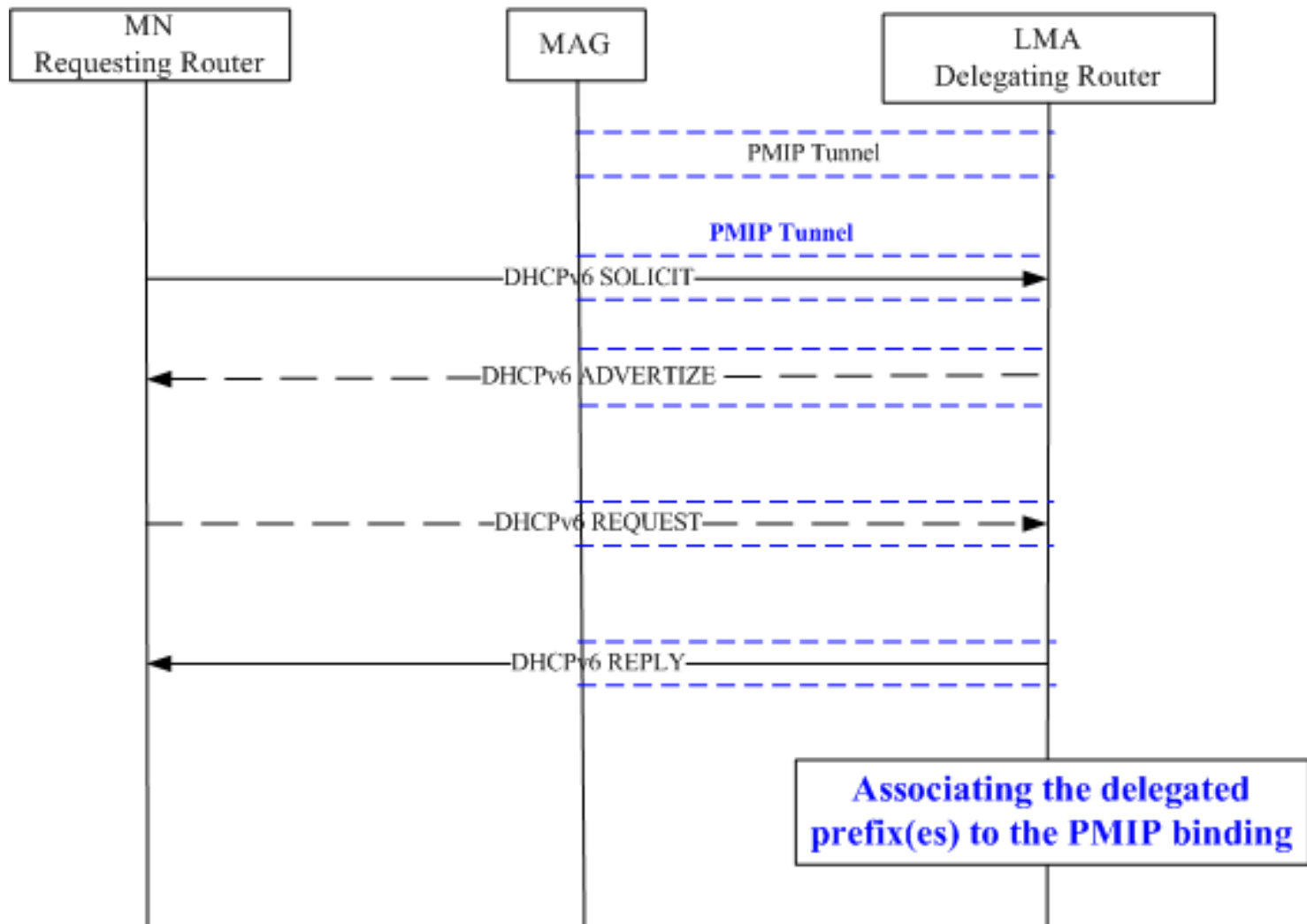
What is the problem?



Minimal extension

- Delegated prefix(es) need to be associated with PMIPv6 binding.
 - Associating the delegated prefixes to the mobility session tied to the mobile node
 - setting up the forwarding

Call Flows



Next Step

- Consideration to adopt as a working group document.