

FAST HANDOVERS FOR PROXY MOBILE IPV6

<draft-ietf-mipshop-pfmipv6-00>

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Changes from -03

(other than MH vs. ICMPv6 issue)

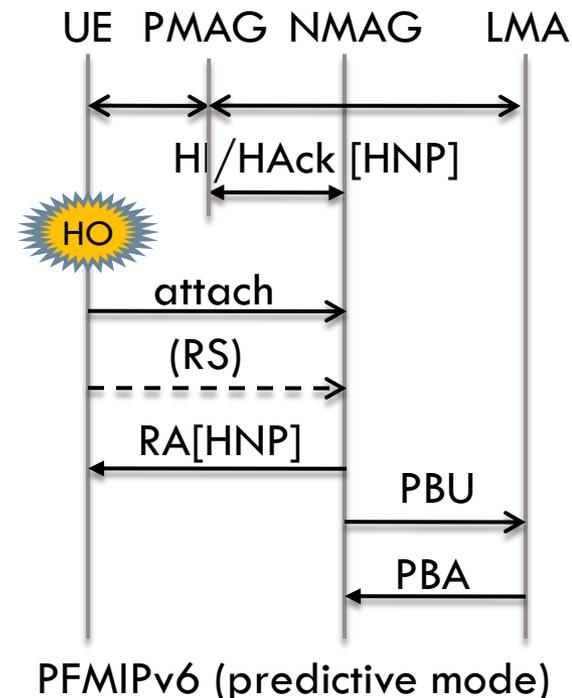
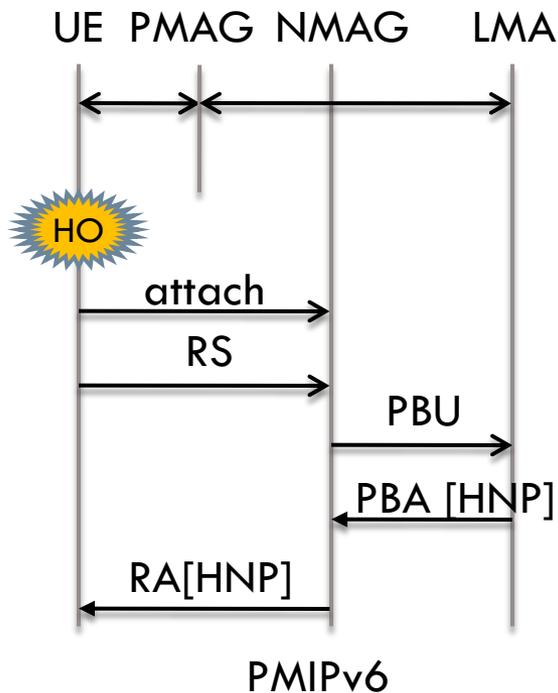
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- MN-HoA was replaced with MN-HNP
- IPv4 transport support was revised (Section 4.2)
 - ▣ Description about IPv4 transport between MAGs (formerly Section 7) was removed
- IANA Considerations were added (Section 9)
- Early Router Advertisement (Section 5)
- Description about NUD/RA on the new link (Section 5)
- GRE Key Option (Section 6.2.5)

Early Router Advertisement

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- PFMIPv6 allows the NMAG to send a RA to the MN before receiving PBA
- If PBA returns a failure code, the NMAG MUST invalidate the HNP by sending a RA with zero prefix lifetime (RFC5213 Section 6.12)



Description about NUD/RA on the new link

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- Link change may or may not be hidden from the MN
 - ▣ If it is hidden, the MN doesn't do anything and everything is fine
 - ▣ If it is not hidden, the MN performs NUD
 - If the NMAG can respond to it and send a RA, it will save a lot
 - All MAGs are supposed to have the same link-layer and link-local addresses

Next steps

6

- Resolve MH vs. ICMPv6 issue and move forward...