

Mobile Multicast Sender Support in PMIPv6 Domains with Base Multicast Deployment

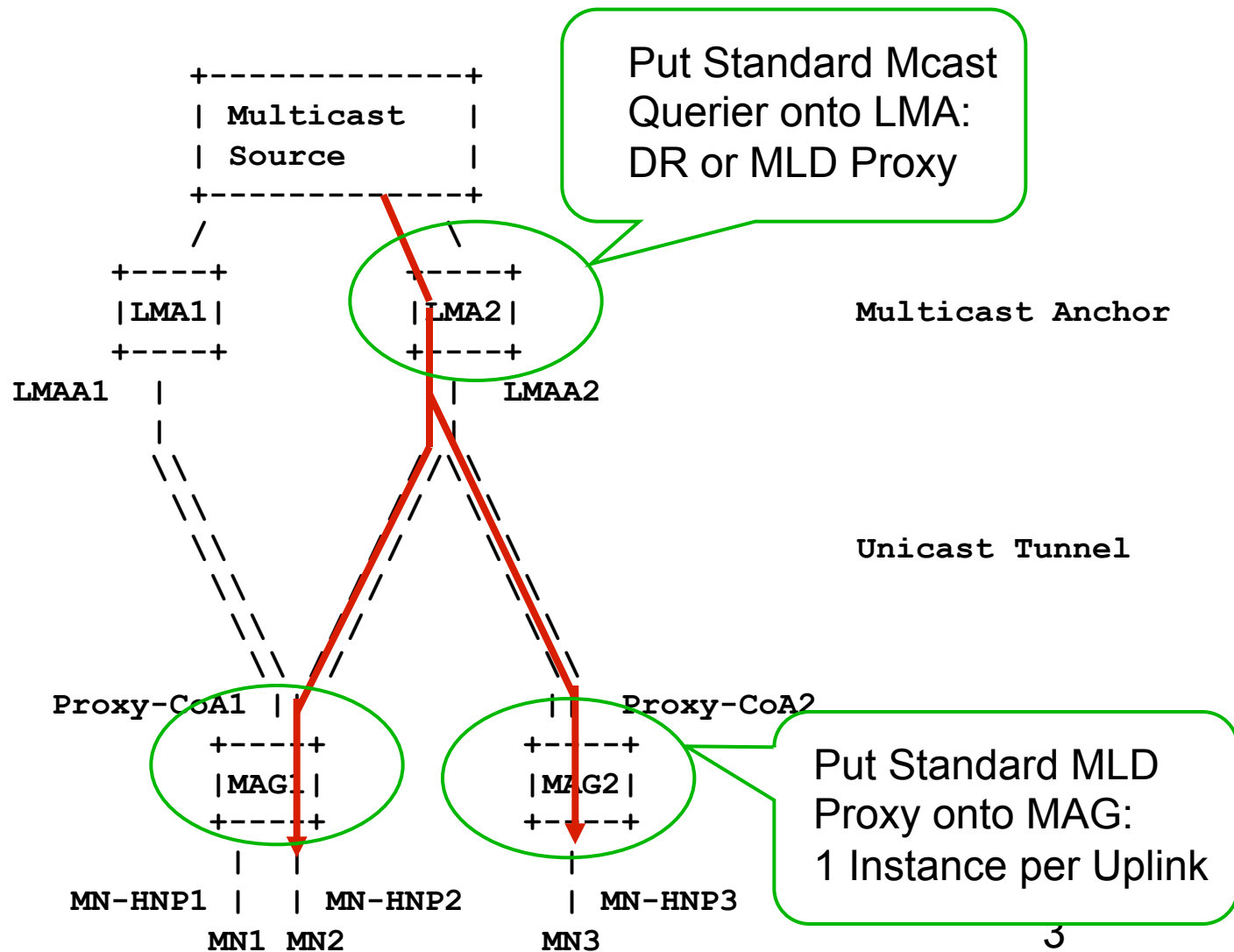
draft-schmidt-multimob-pmipv6-base-source-00

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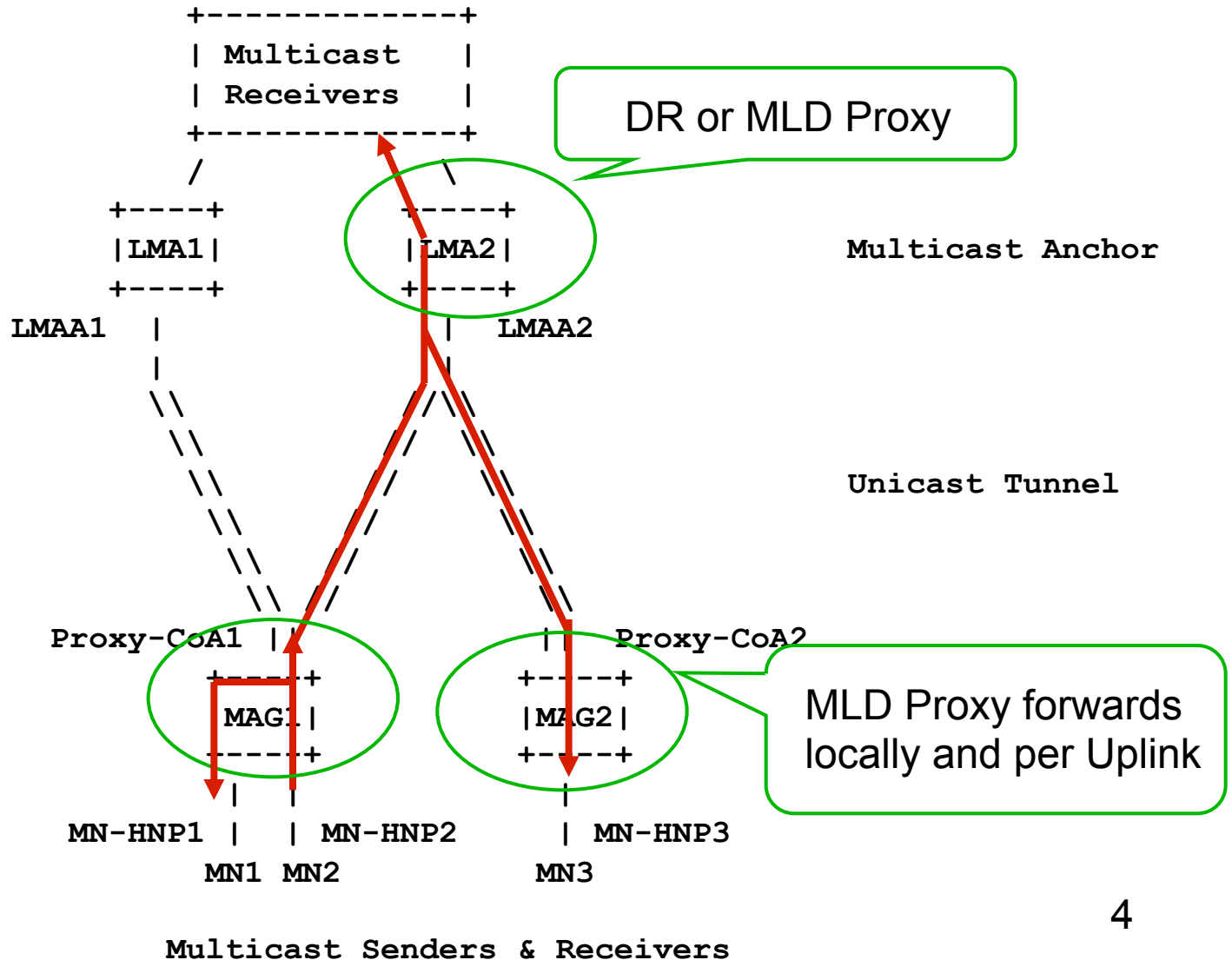
Objective of the Draft

- o Clarify operations of mobile multicast sources at basic deployment of multicast support in PMIPv6 domains – i.e., source mobility in the scenario of draft-ietf-multimob-pmipv6-base-solution
 - Demystification: it works
- o Informational work: No new protocols needed
- o Pragmatic base approach as for listeners:
 - Suboptimal routes are price for simplicity

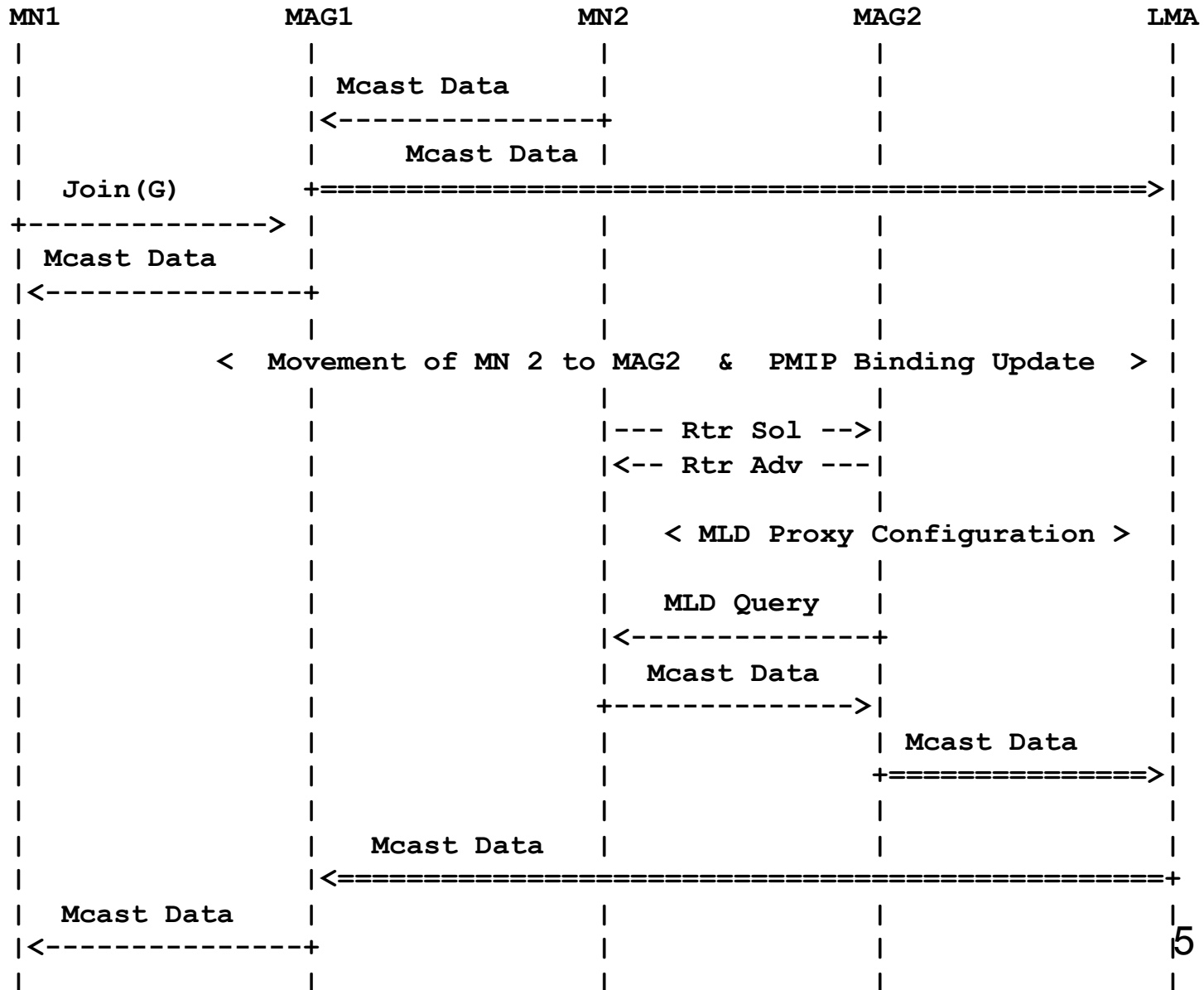
The PMIP Picture with Multicast Base Deployment



Multicast Base Deployment with Mobile Source



Combined Signaling: MCast on PMIP



Efficiency Issues

- o Routing is optimal for receivers at the sender's MAG that belong to the same LMA, and for the fixed Internet
- o Routing detours via LMAs, whenever
 - Mobile listener is attached to another MAG
 - Mobile listener is associated with a different LMA
- o No way to suppress the forwarding uplink to LMA
- o Admission control/rate limiting may be desirable to prevent flooding LMAs

Summary & Outcome

- o This draft explains source mobility in the base scenario
- o Traffic flows/aggregation may be optimal, but need not be
- o Draft extends minimal solution to senders
 - Should be published to fill the gap
 - Does not exhaust the issues of source mobility

Proposal to WG:

Make this a quick informational source

Questions?