



Proxy Mobile IPv6 Extensions to Support Flow Mobility

draft-bernardos-netext-pmipv6-flowmob-00

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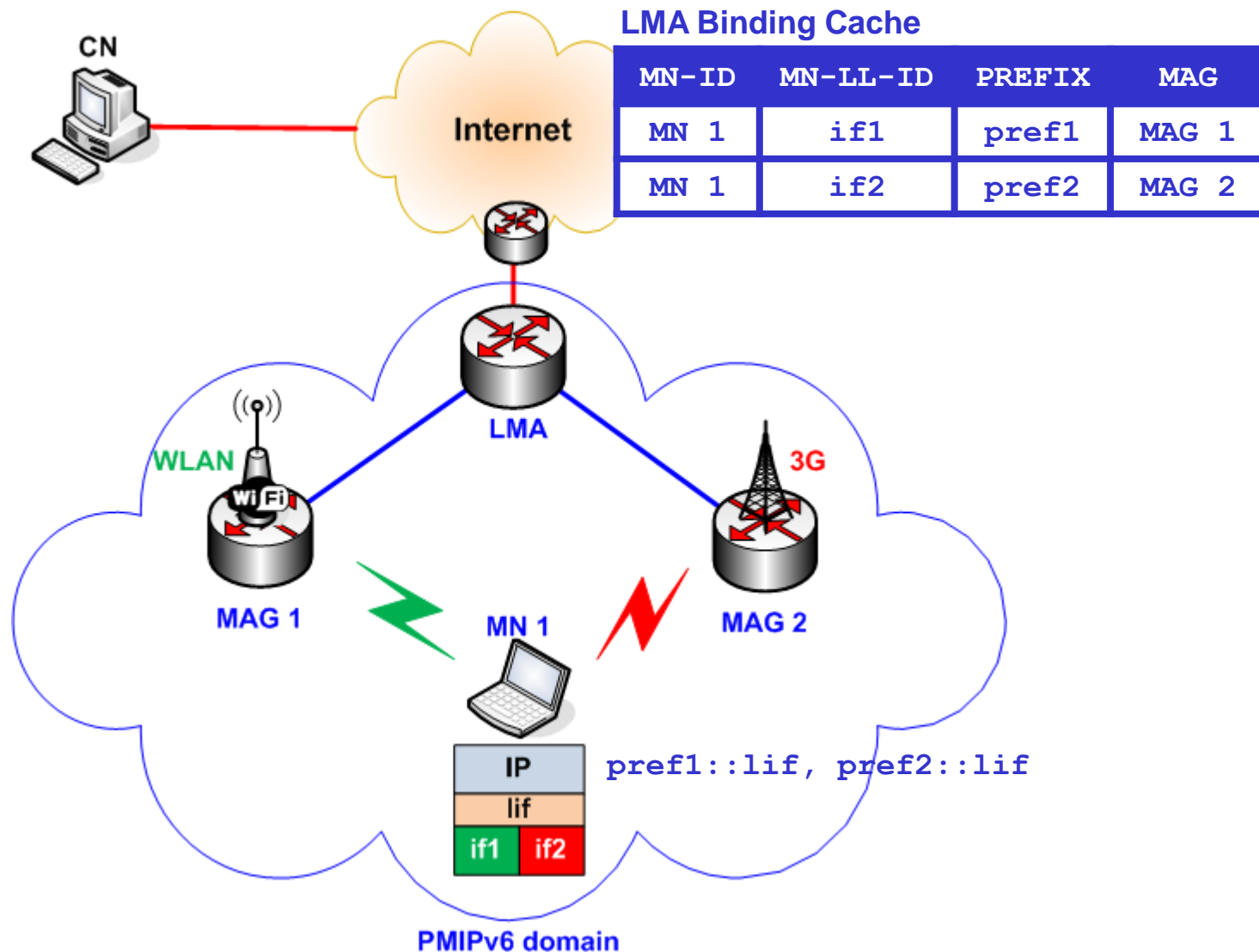
Frank Xia – Huawei USA

Maastricht, NETEXT WG, 2010-07-28

Flow mobility solution (in a glimpse)

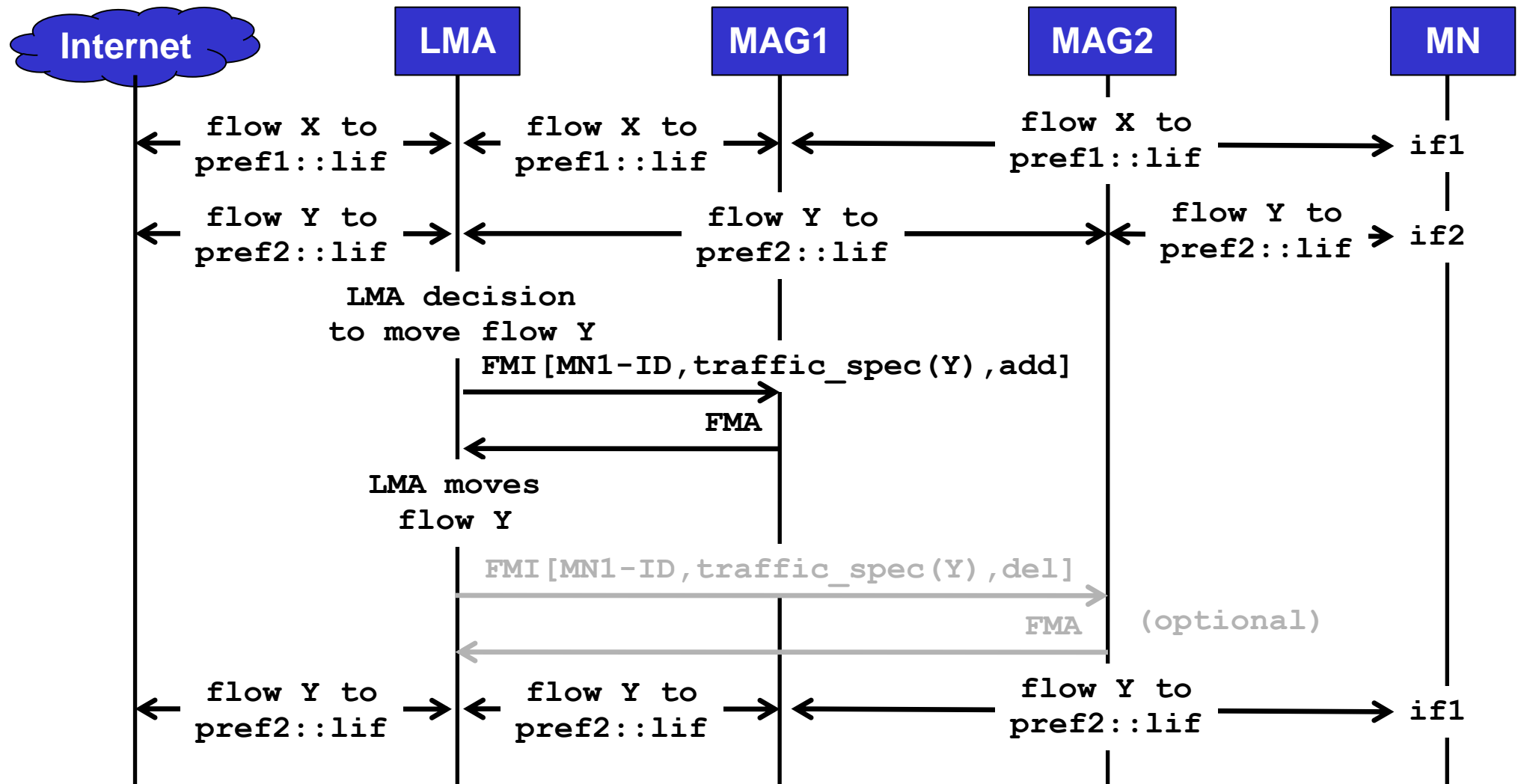
- Flow mobility controlled by the LMA
 - Triggers out of scope of the spec
- LMA-MAG signaling and new conceptual data structures defined
- 2 different flow mobility scenarios supported
 - Unique prefix per physical interface
 - Shared prefix across physical interfaces
- Assumes the MN implements the Logical Interface model, as described in draft-melia-netext-logical-interface-support-01

Unique prefix per physical interface Scenario



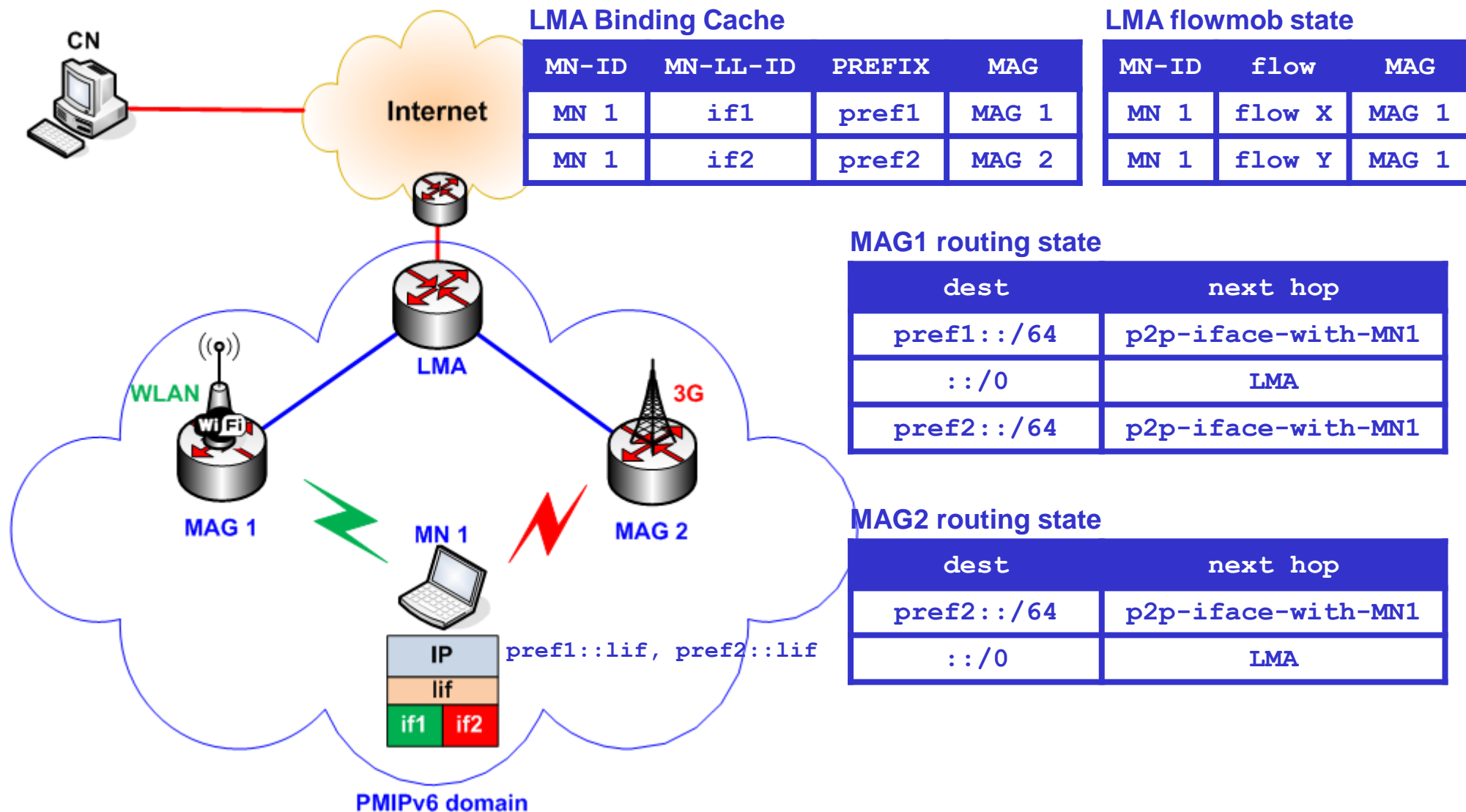
Unique prefix per physical interface

Signaling



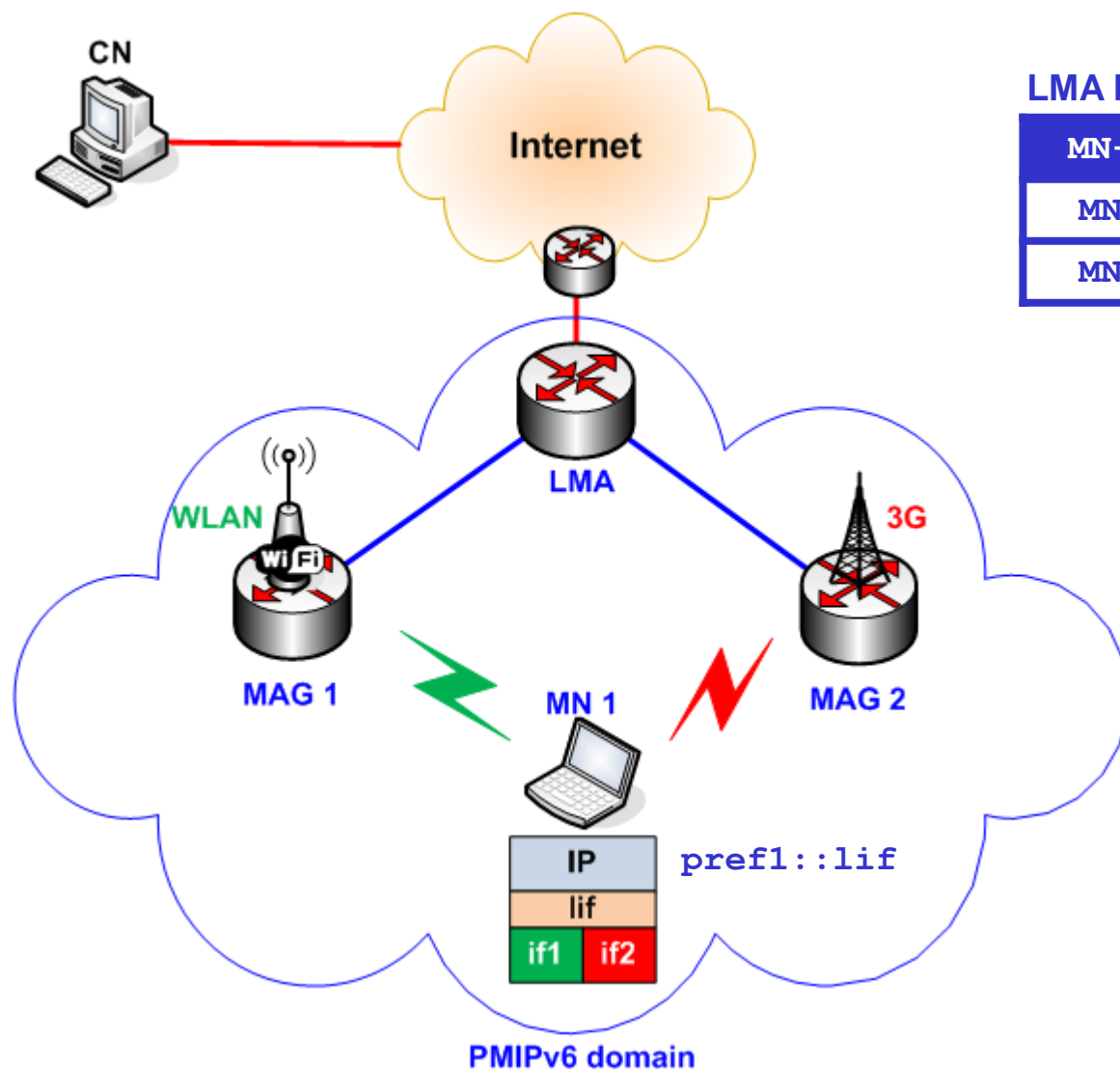
Unique prefix per physical interface

Conceptual data structures



Shared prefix across physical interfaces

Scenario

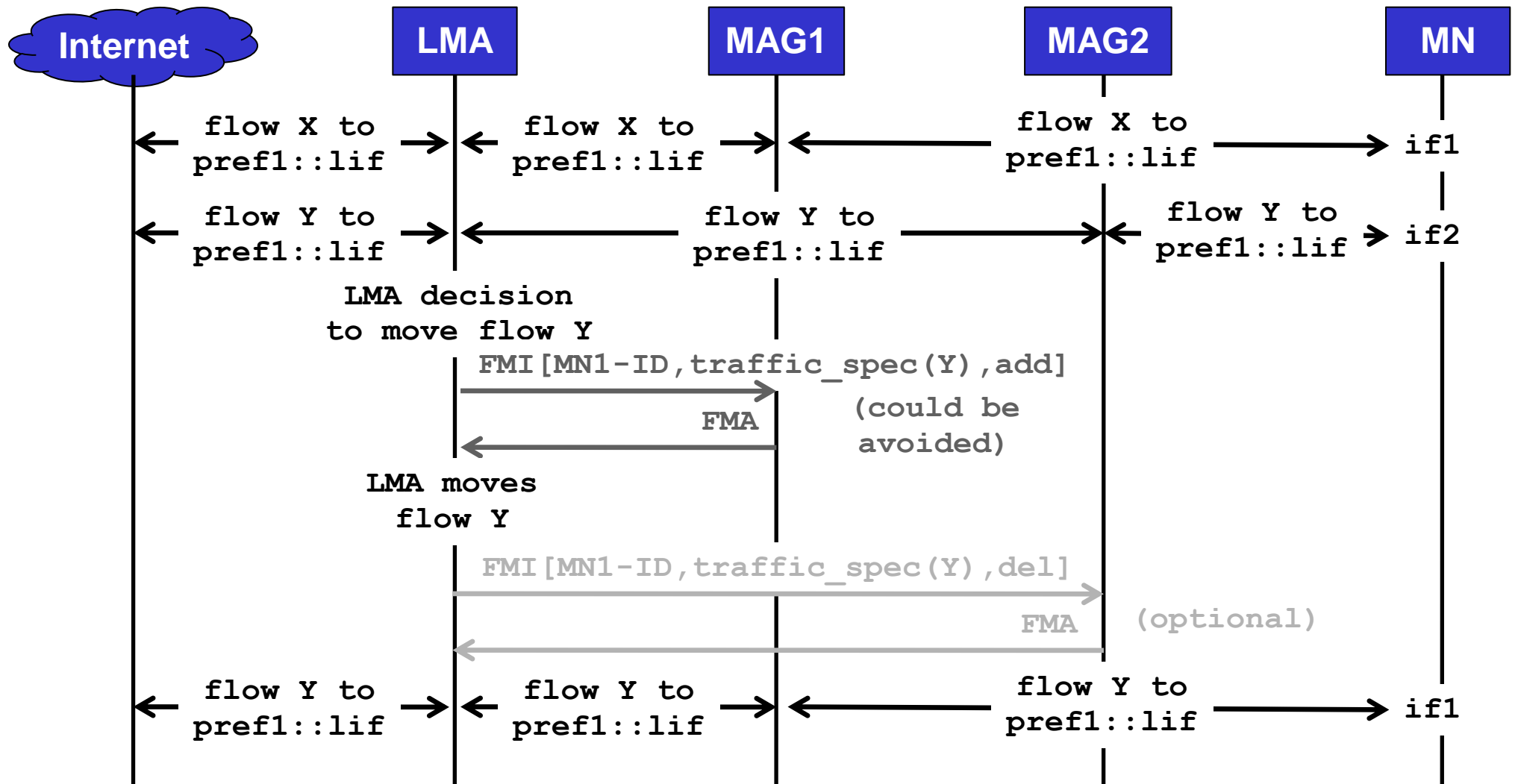


LMA Binding Cache

MN-ID	MN-LL-ID	PREFIX	MAG
MN 1	if1	pref1	MAG 1
MN 1	if2	pref1	MAG 2

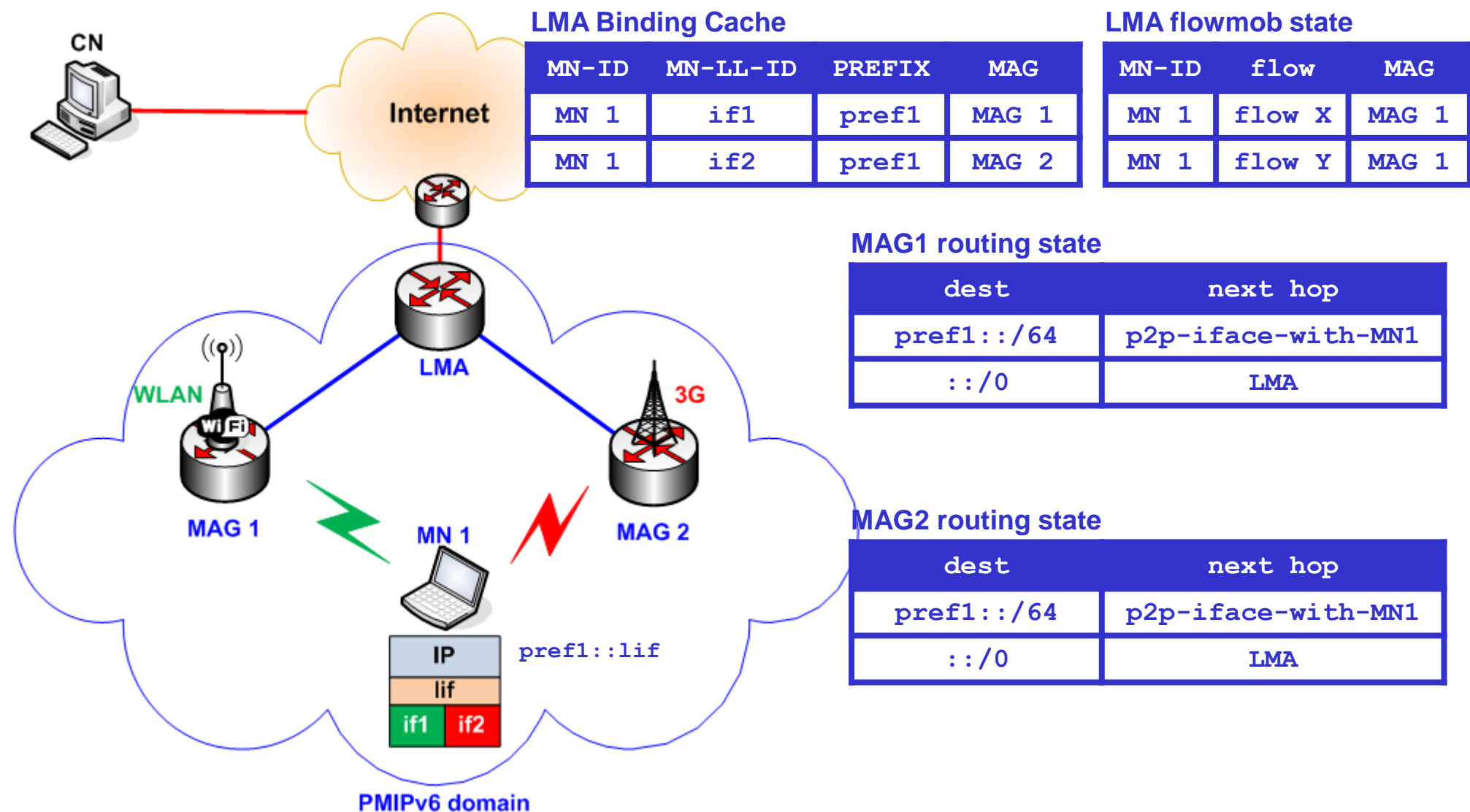
Shared prefix across physical interfaces

Signaling



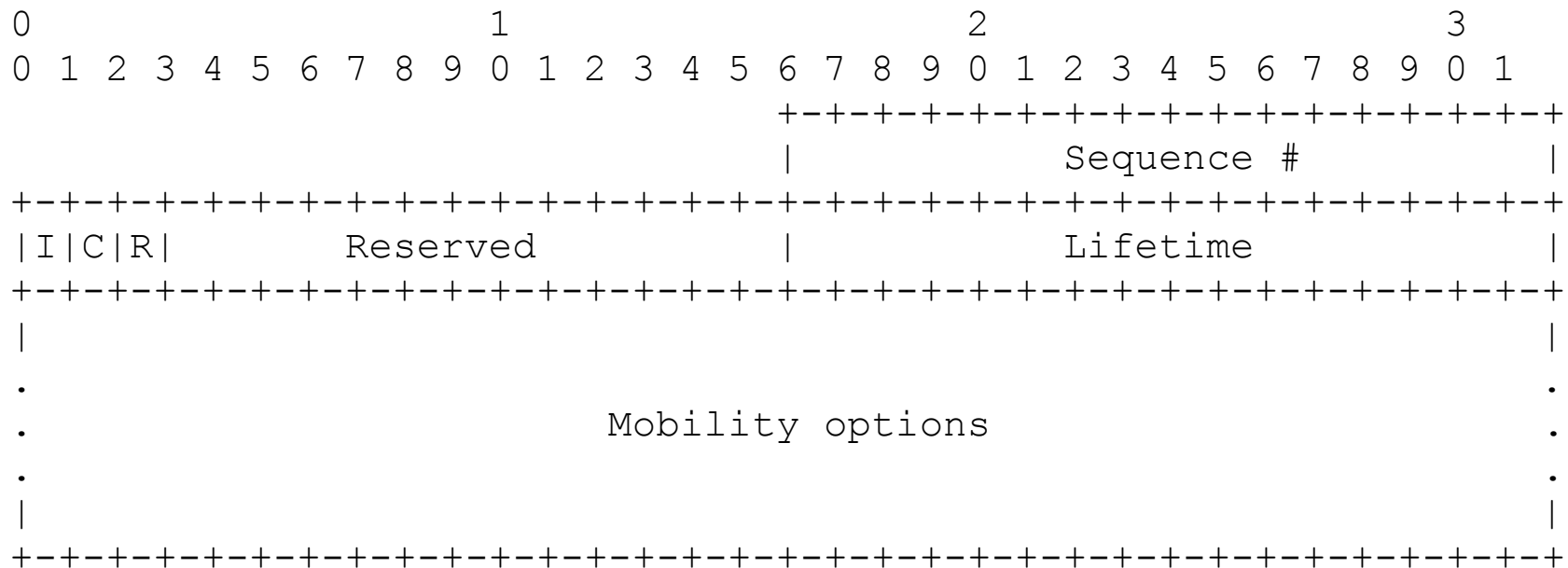
Shared prefix across physical interfaces

Conceptual data structures



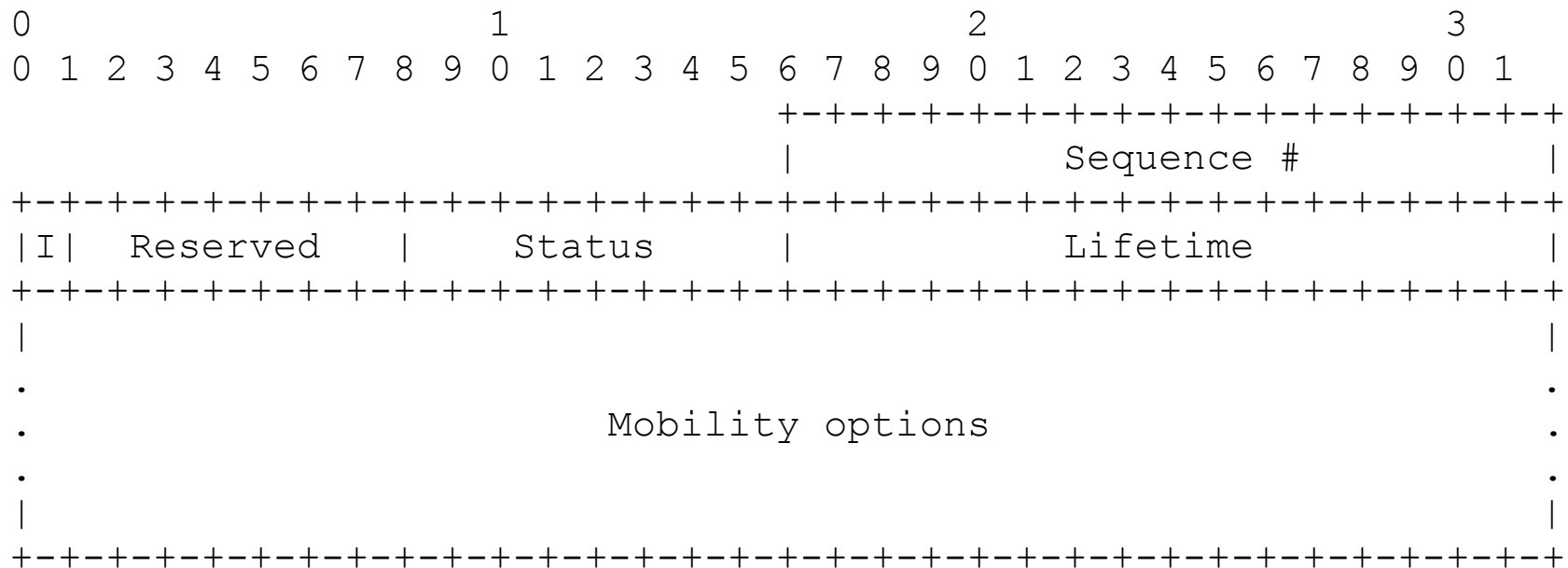
Message formats

Flow Mobility Initiate (FMI)



Message formats

Flow Mobility Acknowledge (FMA)



Message formats

Traffic Selector mobility option (TS)

[illegible]

Next steps

- Adopt as WG document?