Enhanced mobility anchoring wt

draft-ietf-dmm-distributed-mobility-anchoring-03

H. A. Chan, J. Lee, S. Jeon, A. Petrescu, X. Wei, F. Templin

Changes in 03 from 02

♦ Comment on nemo from Alex in the mailing list.

♦ draft-ietf-dmm-distributed-mobility-anchoring-03

➢ Added section 5.5 Network Mobility

➢ Consequently revised the rest of the draft:

- Abstract – expanded somewhat
- Introduction – also explained where to use this draft
- Section 3 – elaborated functions to support nemo
- Section 4 – some corrections

Describe Distributed Mobility Anchoring

- 3. Distributed Mobility Anchoring
  - 3.1. Configurations for different networks or network slices
    - 3.1.1. Network-based Mobility Support for a Flat Network
    - 3.1.2. Network-based Mobility Support for a Hierarchical Network
    - 3.1.3. Host-based Mobility Support
    - 3.1.4. Network Mobility (NEMO) Basic Support
  - 3.2. Operations and Parameters
    - 3.2.1. Location Management
    - 3.2.2. Forwarding Management

ToC from Version 02

IP Mobility Handling in Distributed Anchoring Environments

ToC from Version 02

IP Mobility Handling in Distributed Anchoring Environments

◆ 5. Anchor Switching to the New Network
  ➢ 5.1. IP Prefix/Address Anchor Switching for Flat Network
    • 5.1.1. Guidelines for IPv6 Nodes
  ➢ 5.2. IP Prefix/Address Anchor Switching for Flat Network with Centralized Control Plane
    • 5.2.1. Additional Guidelines for IPv6 Nodes
  ➢ 5.3. IP Prefix/Address Anchor Switching for a Hierarchical Network
    • 5.3.1. Additional Guidelines for IPv6 Nodes
  ➢ 5.4. IP Prefix/Address Anchor Switching for a Hierarchical Network
    • 5.4.1. Additional Guidelines for IPv6 Nodes
  ➢ 5.5 Network Mobility
    • 5.5.1. Additional Guidelines for IPv6 Nodes

ToC from Version 02
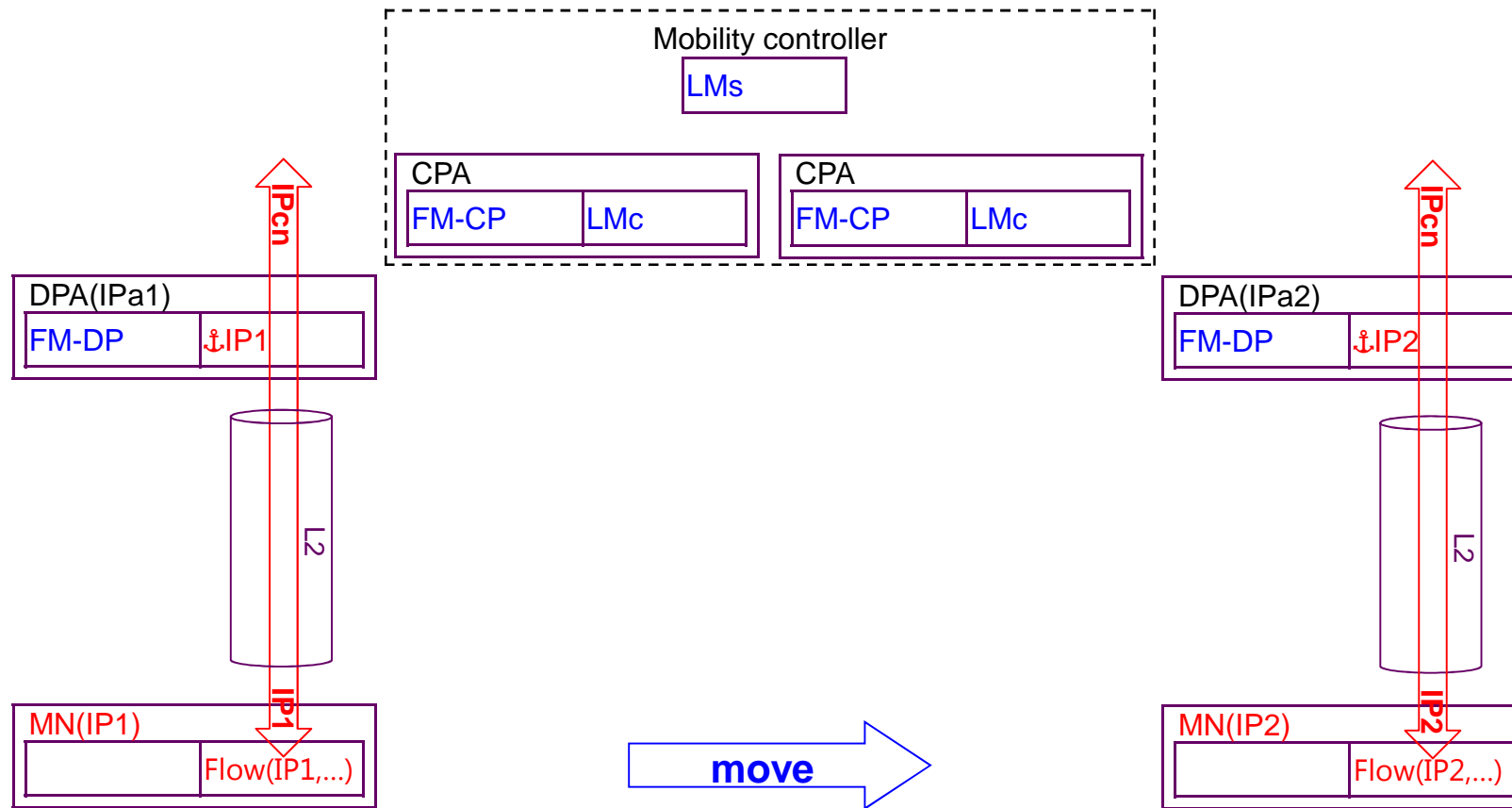
Added in ver 03

Changes in 01 from 00

◆ draft-ietf-dmm-distributed-mobility-anchoring-01

  ➢ Elaborate on the operations and parameters of enhanced mobility anchoring functions

  ➢ Elaborate on the description of different mobility scenarios, and added guidelines in each scenario.
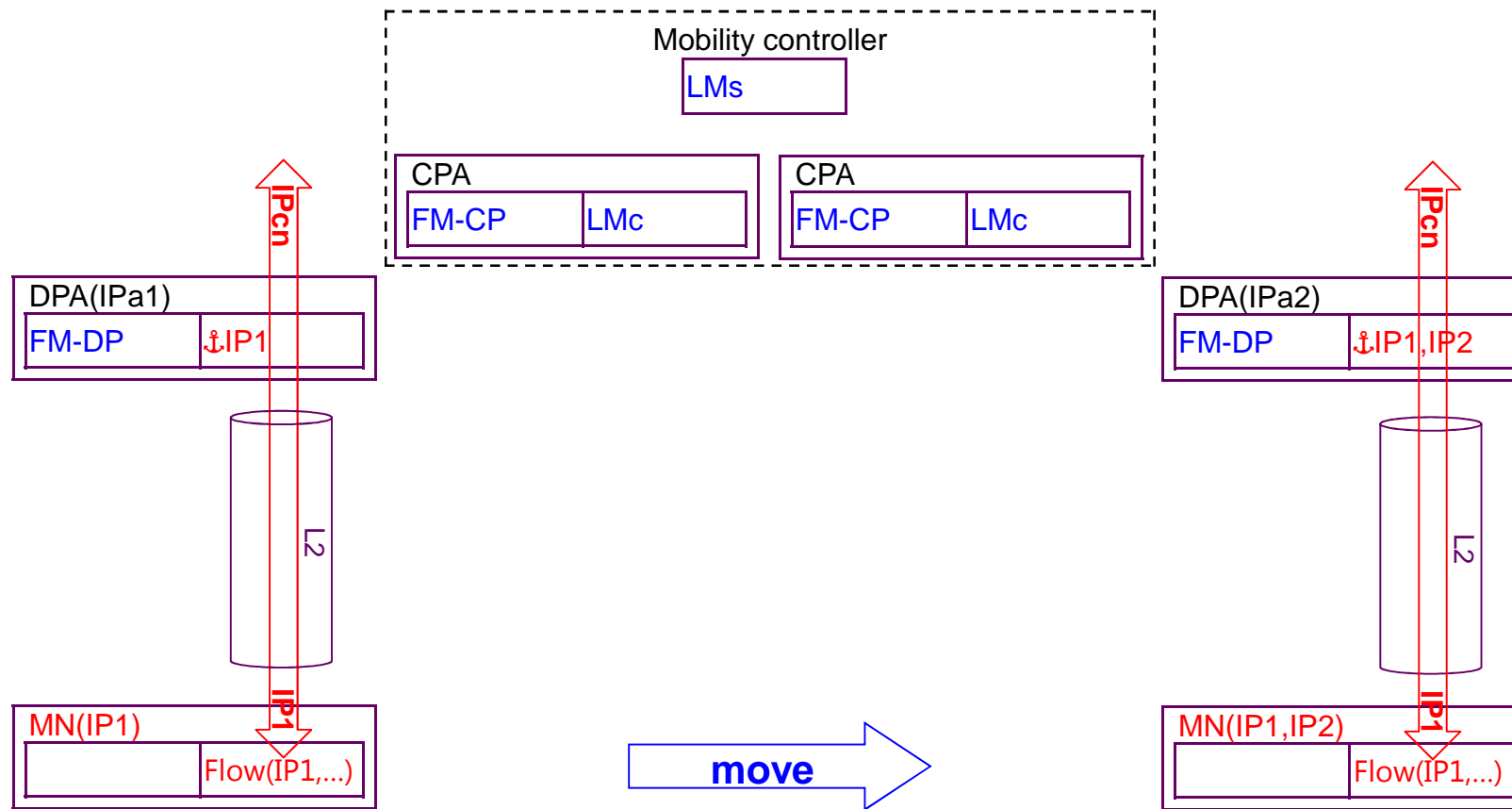
Changes in 02 from 01

◆ draft-ietf-dmm-distributed-mobility-anchoring-02

➢ Revised security descriptions

➢ Added configuration of mobile node being a mobile router

➢ Checked and cleaned up descriptions

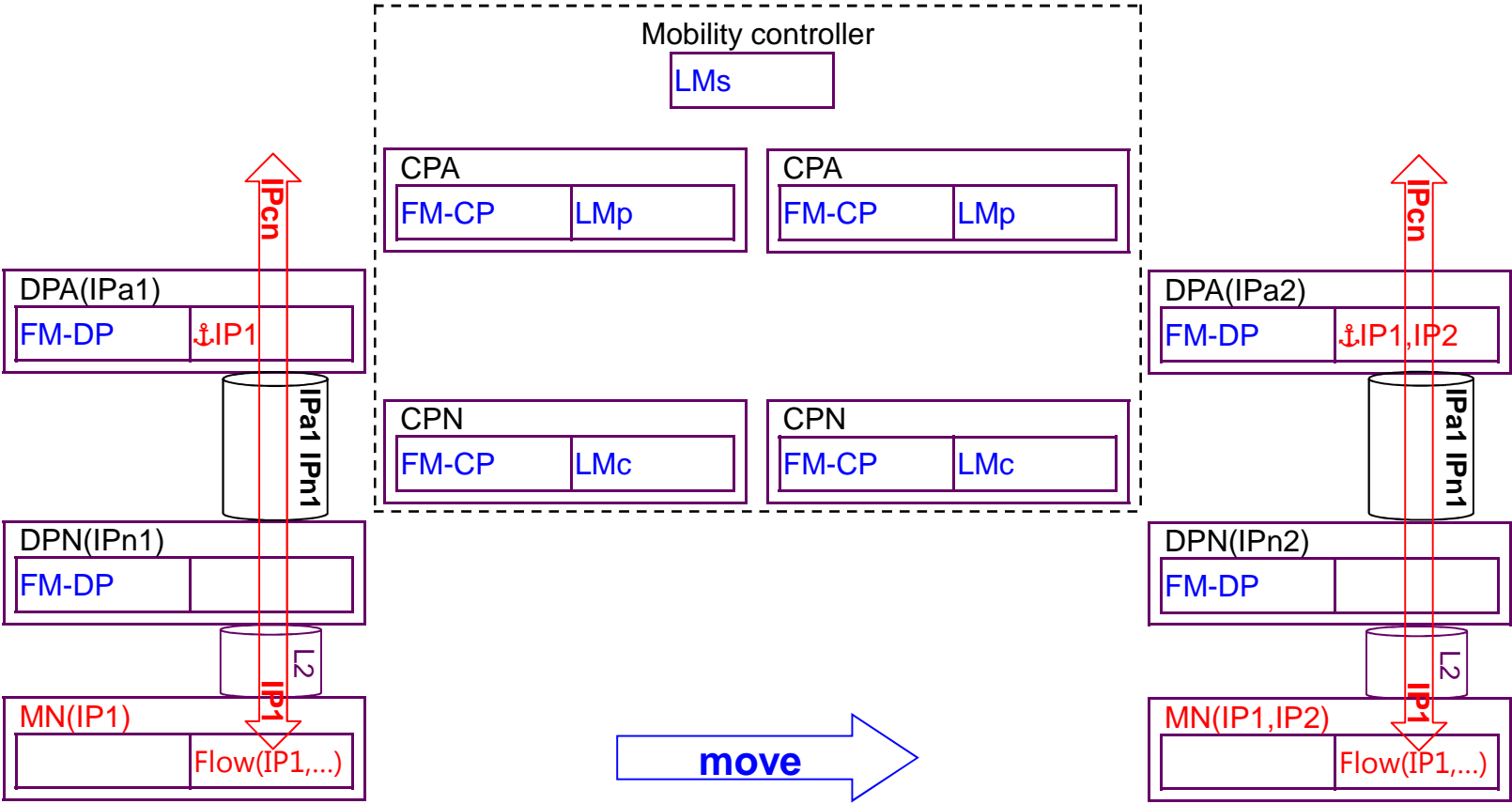# Mobility support not needed: change to anchor in new network

from ietf 97 presentation

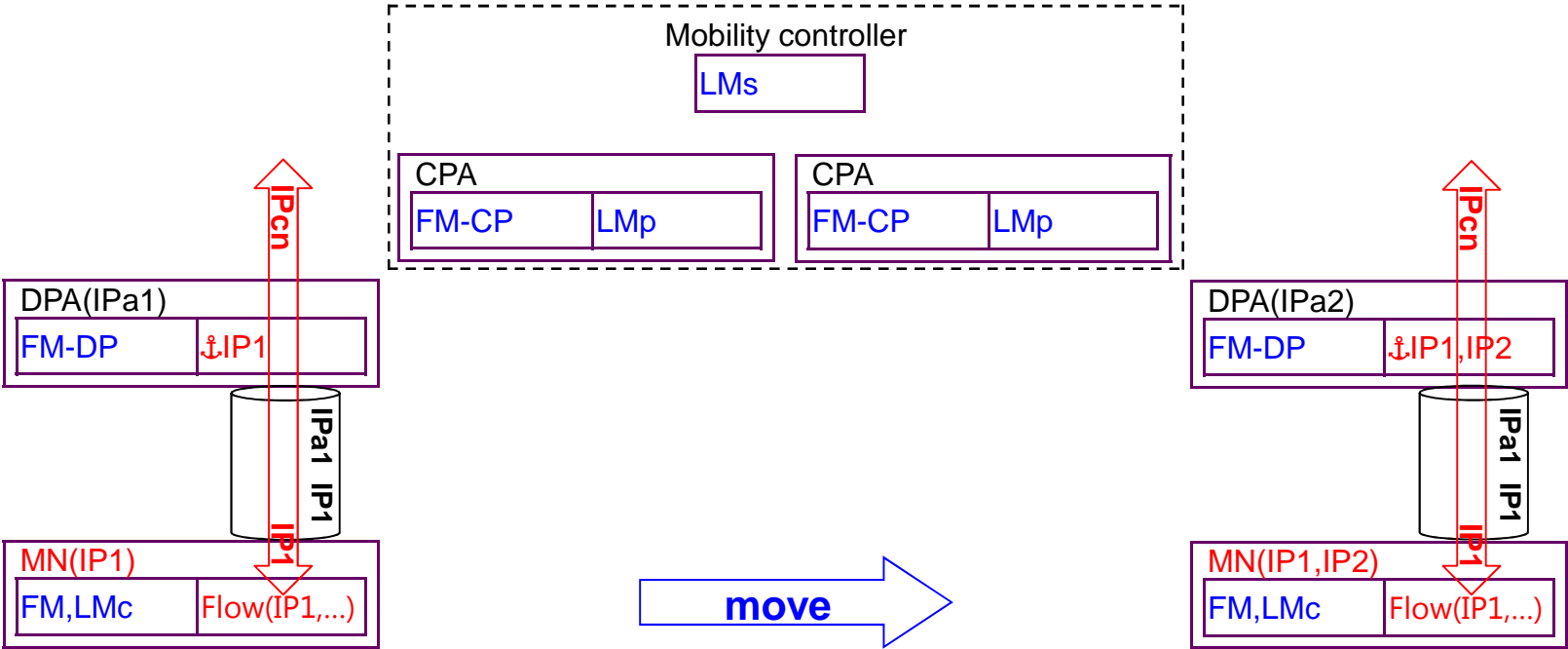# IP mobility support needed: move IP anchoring to new network

from ietf 97 presentation
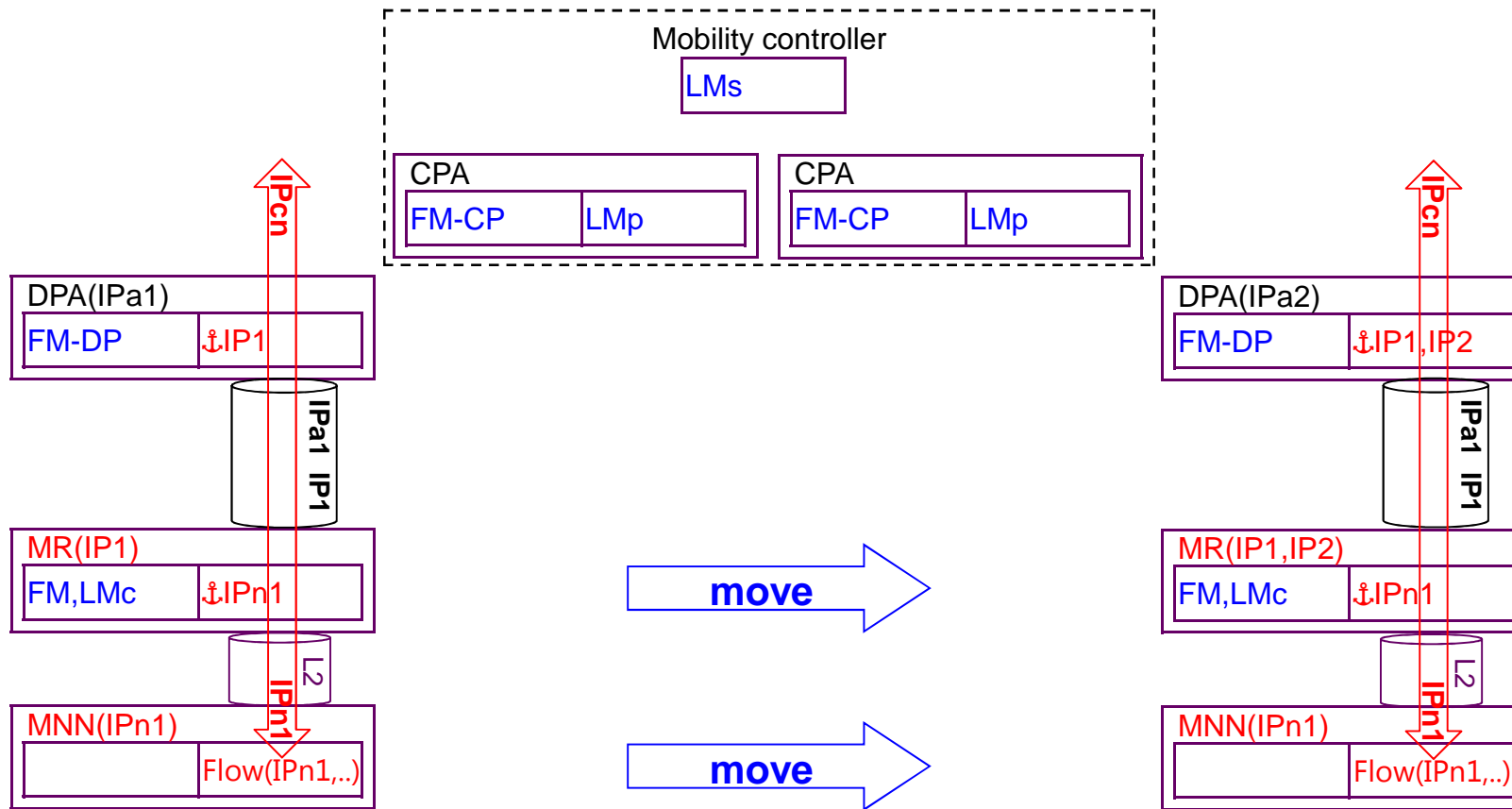
Move IP anchoring to new network with hierarchy

from ietf 97 presentation

Host-based mobility

from ietf 97 presentation

Network mobility

Mobility controller

LMs

CPA

| FM-CP | LMp |

CPA

| FM-CP | LMp |

DPA(IPa1)

| FM-DP | ⚓IP1 | |

IPcn

DPA(IPa2)

| FM-DP | ⚓IP1,IP2 | |

IPcn

IPa1 IP1

IPa1 IP1

MR(IP1)

| FM,LMc | ⚓IPn1 |

move

MR(IP1,IP2)

| FM,LMc | ⚓IPn1 |

L2

L2

MNN(IPn1)

| | Flow(IPn1,..) |

IPn1

move

MNN(IPn1)

| | Flow(IPn1,..) |

IPn1

from ietf 97 presentation