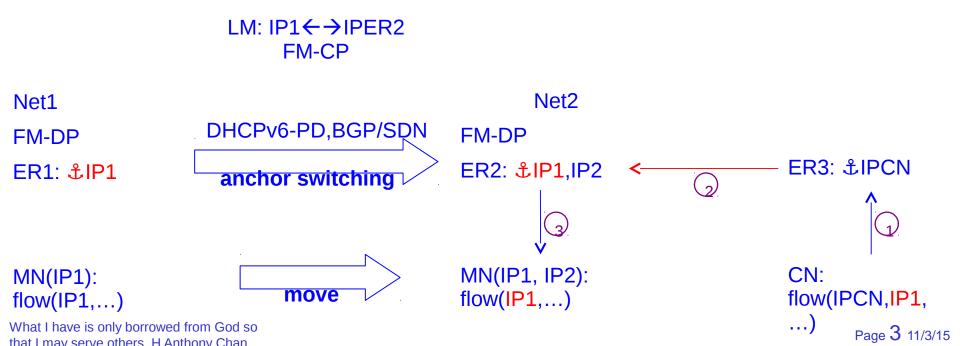
# Enhanced mobility anchoring wt

HA Chan, S. Jeon, J. Lee, F. Templin, X. Wei

### Work since IETF93

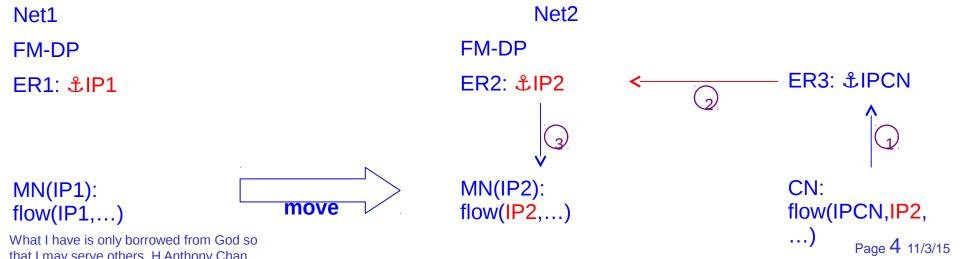
- draft-chan-dmm-distributed-mobility-anchoring-05
  - rewrite draft to explain moving anchor (mid-session anchor switching) with references to other drafts
  - switch to IP anchor in new network: using new IP address if session continuity is not needed
  - switch to IP anchor in new network: using prior IP address if session continuity is needed
- draft-chan-dmm-distributed-mobility-anchoring-06
  - various corrections

# IP prefix anchor switching

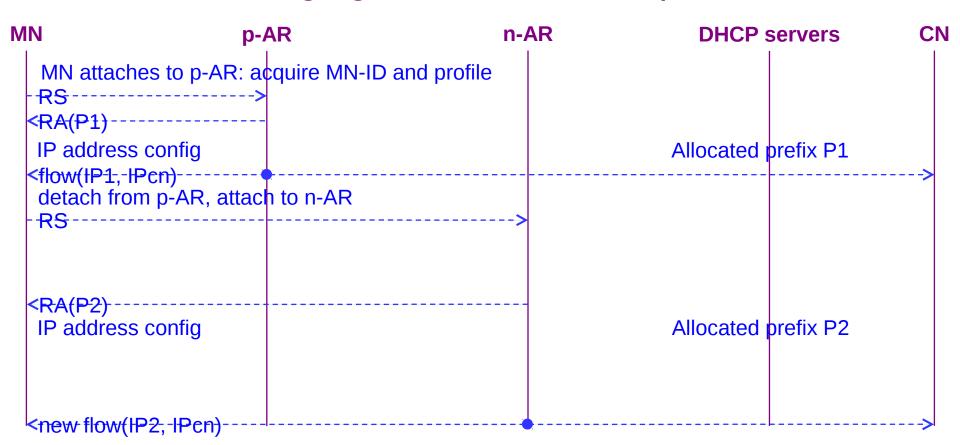


## IP prefix anchor in new network

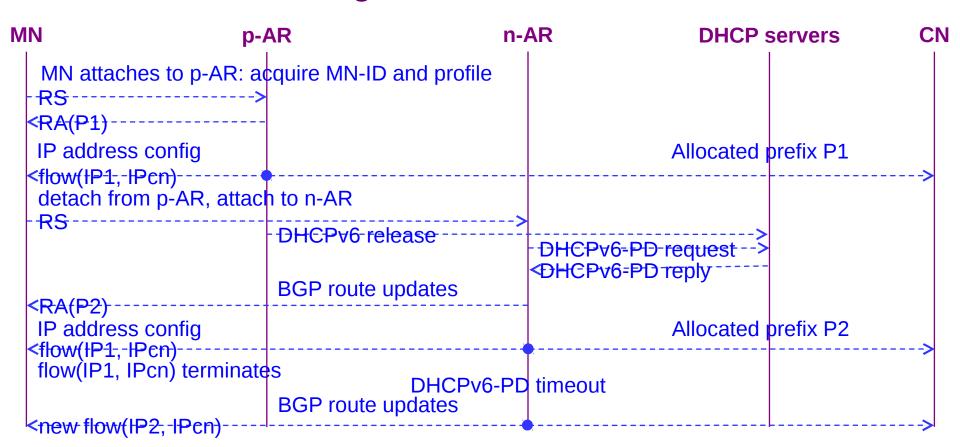
LM: IP1←→IPER2 FM-CP



# Changing anchor with new prefix



### Switching anchor in mid-session



### Relations to work of other wt

- Exposing mobility state wt
  - anchor switching is needed only some IP prefixes
  - drafts on these proposals are referenced
- Forwarding path and signaling management wt
  - anchor switching may take place in a network with separate control and data planes.
  - the BGP route update messages and the DHCPv6-PD messages may be turned into messages between control plane and data plane.
- Deployment models and scenarios wt
  - anchor switching may apply to the scenarios where the control plane functions FM-CP and LM server may be centralized or distributed, where
    - Internetwork Location Management (LM) function:
      - LM may be a logical function at CPA and CPN
    - Forwarding Management (FM) function:
      - FM-CP may be a logical function at CPA and CPN
      - FM-DP may be a logical function at DPA and DPN
    - FM-DP may be distributed in distributed mobility management
    - LM, FM-CP may each be centralized or distributed

# Backup Slides

# Enhanced mobility anchoring work item in dmm chapter

Enhanced mobility anchoring: define protocol solutions for a gateway and mobility anchor assignment and mid-session mobility anchor switching that go beyond what has been specified, for example, in RFC 6097, 6463, and 5142. Traffic steering associated with the anchor switch is also in-scope if deemed appropriate.

# Description of IP address/prefix anchoring

◆ An IP address, i.e., Home Address (HoA), or prefix, i.e., Home Network Prefix (HNP) allocated to a mobile node is topologically anchored to a node when the anchor node is able to advertise a connected route into the routing infrastructure for the allocated IP prefix.