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Deployment Models for Distributed Mobility Management

draft-sijeon-dmm-deployment-models-00.txt

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Status

- Presented and discussed in WT #4 (led by Sri) audio conference in June 2015
- The draft (-00) was submitted, Jul. 2015
 - [https://
tools.ietf.org/html/draft-sijeon-dmm-deployment-models-00](https://tools.ietf.org/html/draft-sijeon-dmm-deployment-models-00)

Why function deployment model?

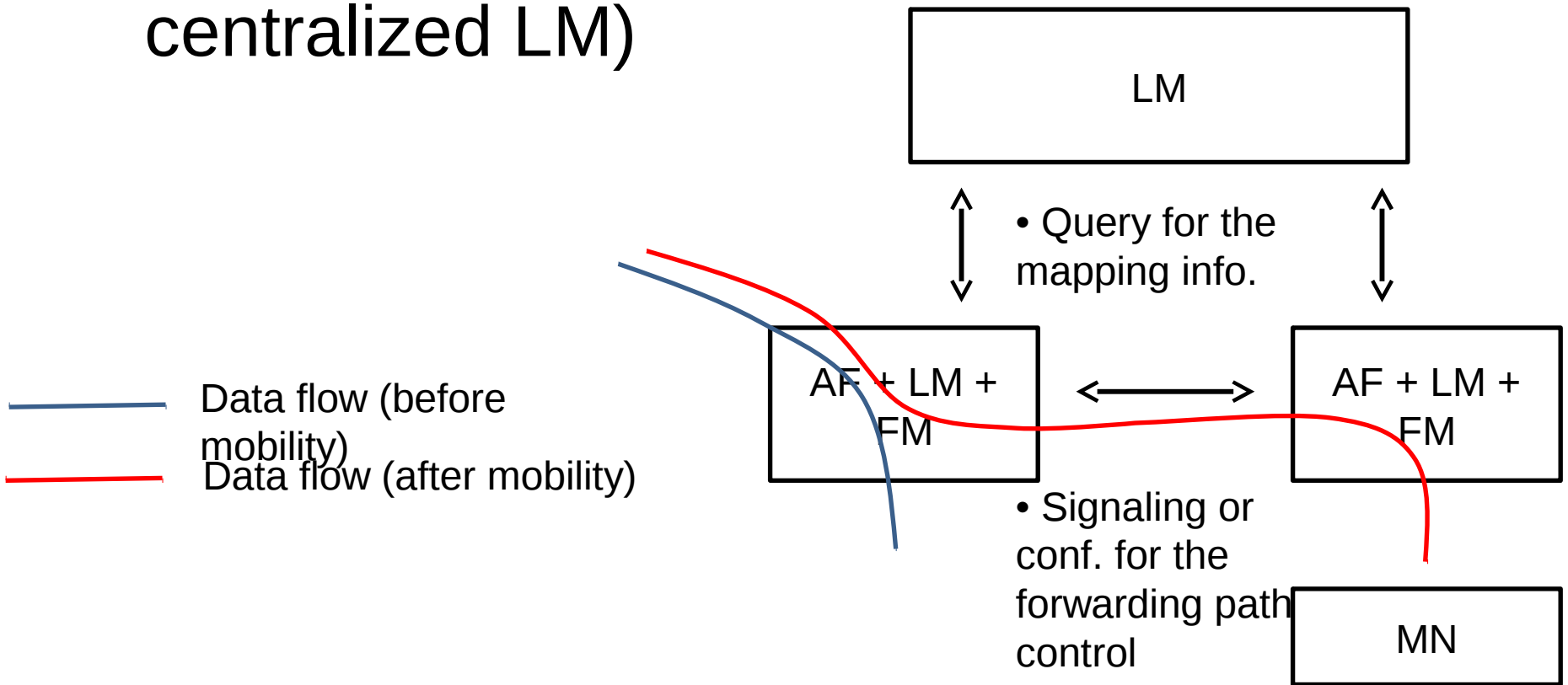
- Easy to define and impose the characteristics into a mobility entity
- Easy to represent potential solutions
- Could be co-existing with the node deployment model

Functions for the deployment models

- Functions partially employed from RFC 7429, which defines three mobility management functions;
 - Anchor function (AF)
 - Internetwork location management function (LM)
 - Forwarding management function (FM)
- It is further split into AF-CP and AF-DP in our proposed deployment models, where needed

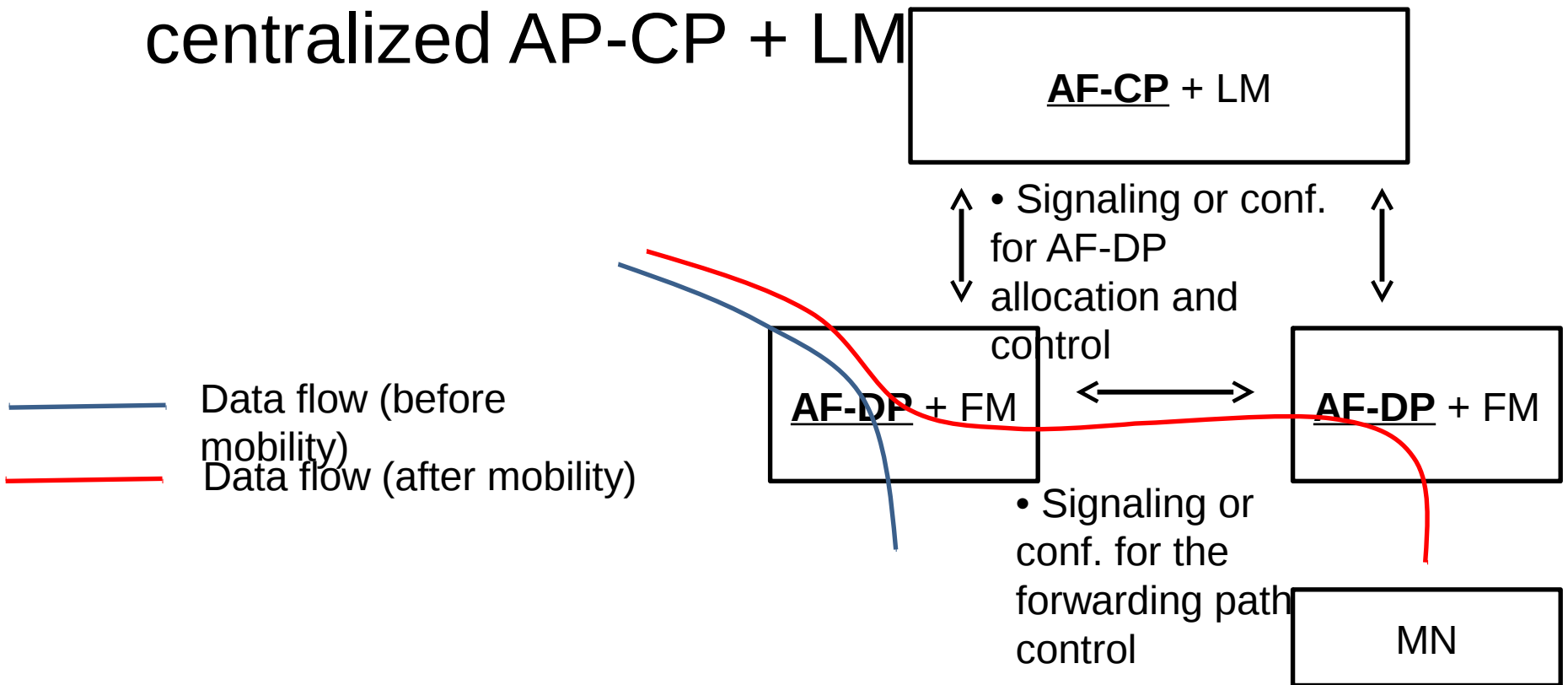
Deployment model #1

- D1: Distributed AM, LM, and FM (with centralized LM)



Deployment model #2

- D2: Distributed AF-DP, LM and FM with centralized AP-CP + LM

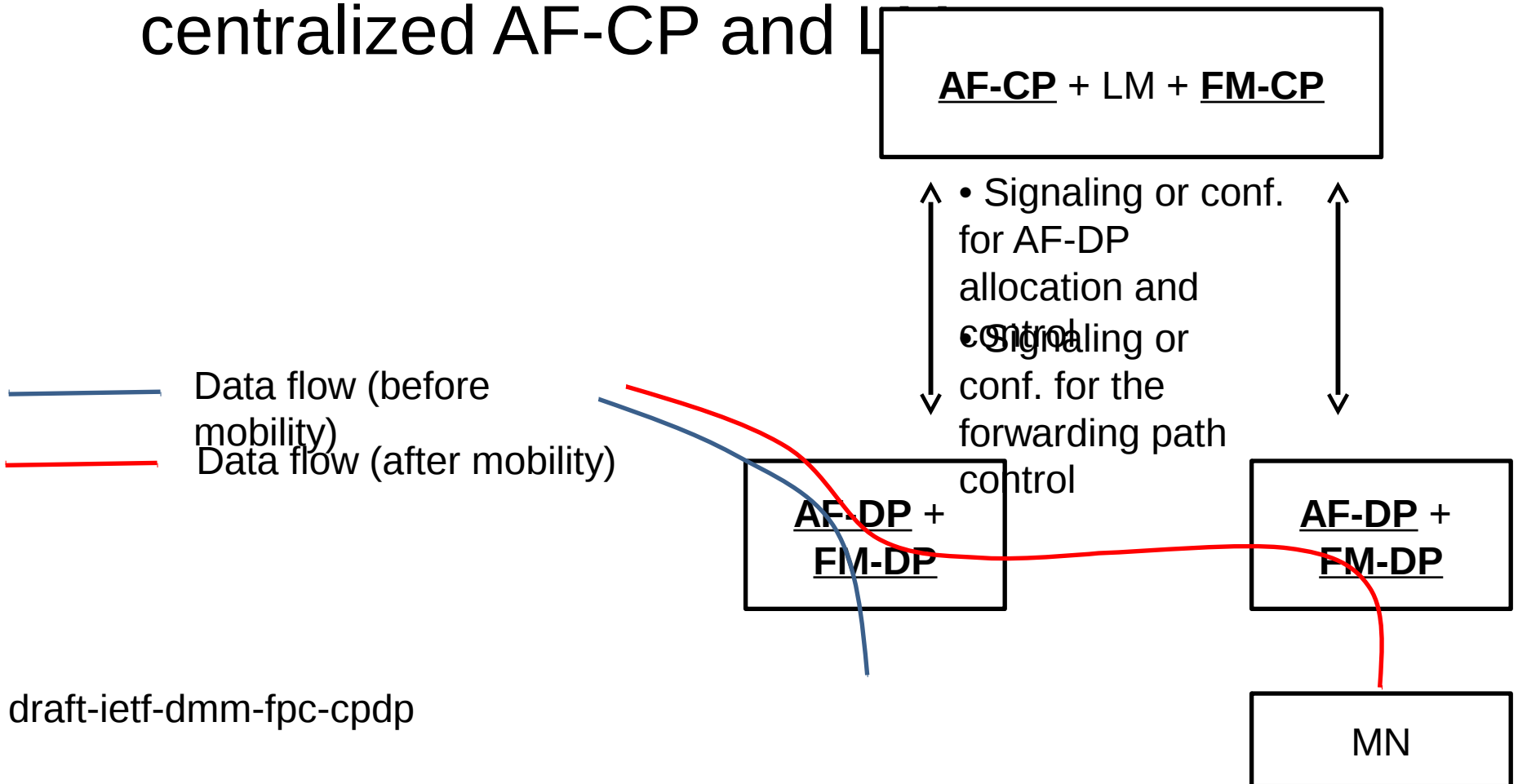


RFC 7389, "Separation of control and user plane for Proxy Mobile IPv6"

draft-matsushima-stateless-uplane-venic

Deployment model #3

- D3: Distributed AF-DP and FM with centralized AF-CP and LM



Way Forward

- Presented models enough?
 - Or any missing models?

Q & A