

AAA Support for PMIP6 mobility entities authorization and Discovery during localized routing

draft-ietf-dime-pmip6-lr-00

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Status

- Presented in IETF 76, adopted as WG item based on feedback from the Group
- Changes in this initial version WG draft
 - Combine draft-wu-dime-pmip6-lr and draft-liebsch-dime-pmip6-lmaresolve-01
 - Remove interaction between MAG1 and the AAA server
 - Allocate new value in the Mobility Capability Registry for use with MIP6-Feature-Vector instead of defining new value for service type

Issues #1: Merging with Liebsch's work

- Add authorization with multiple AAA servers extracted from draft-liebsch-dime-pmip6-lmaresolve-01
- Remove interaction between MAG1 and the AAA server
- Discovery takes place as a side-effect of authorization, coupling the query to localized routing authorization is a good choice

Issue #2: Allocate new bits/flag in the MIP6-Feature-Vector

- The requesting peer sets this flag if LR feature/capability is supported/desired.
- The answering/authorizing peer sets the same flag in the response
 - if a) it was in the request
 - and b) authorization for the requested feature/capability succeeds & exists.

Issue #3: More flexible extension for increased applicability?

- Proposal for more flexibility: According to Slide 3
- Extension applicable to more use cases
 - Add one new use case on LMA resolution as further example
- Clarification with the DIME WG:
 - The NetExt WG has not arrived at consensus on a solution for multi-LMA support for Localized Routing
 - But: Increasing flexibility with the proposed Diameter extension allows application to different LR use cases

Proposal 1 from Editors

- To make protocol operation more generic, Change figure 2 in I-D.ietf-dime-pmip6-lr as follows:

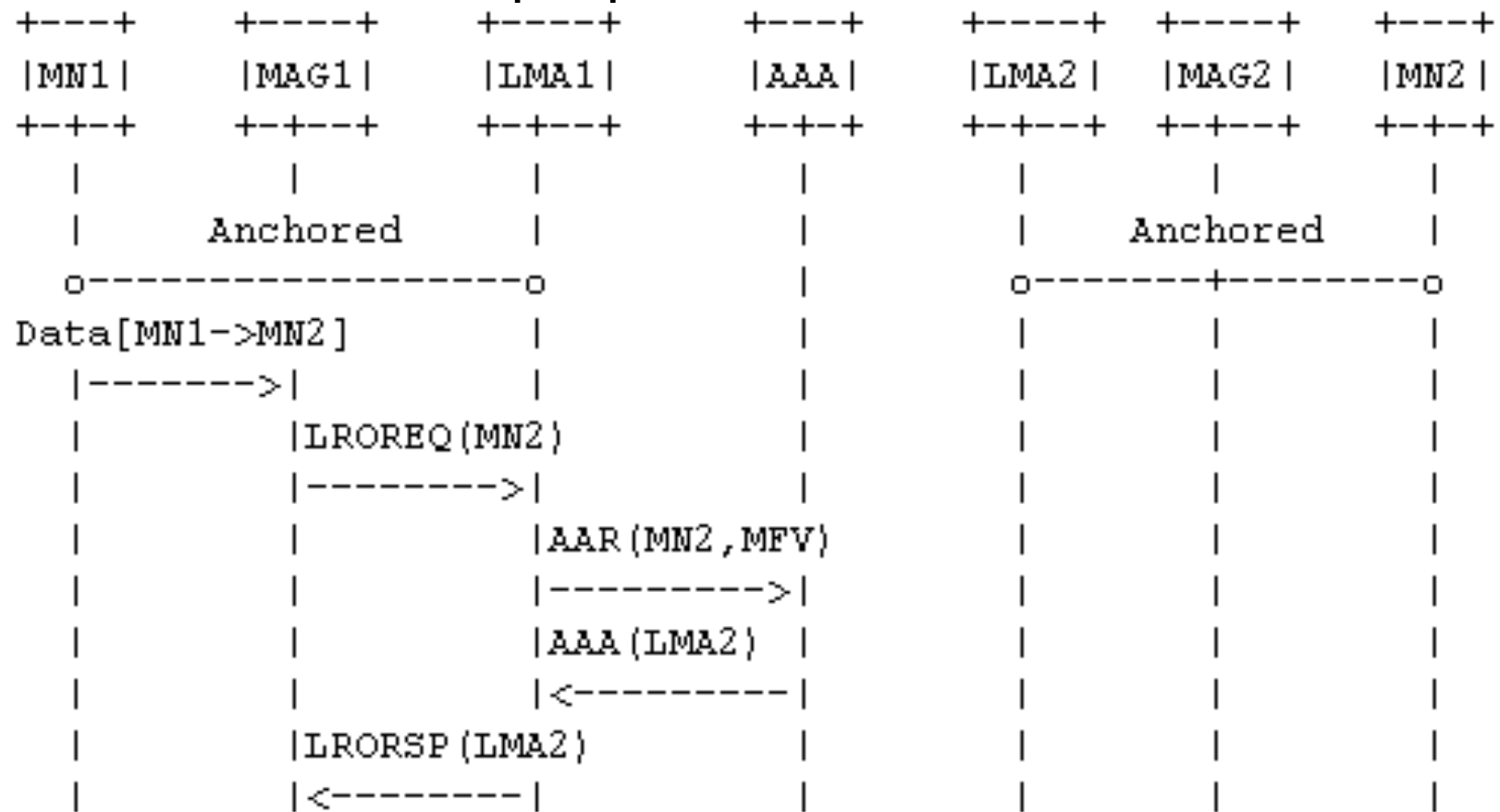


Figure 2: MAG-initiated Localized Routing Authorization

Proposal 1 from Editors

- Also Change figure 3 in I-D.ietf-dime-pmip6-lr as follows:

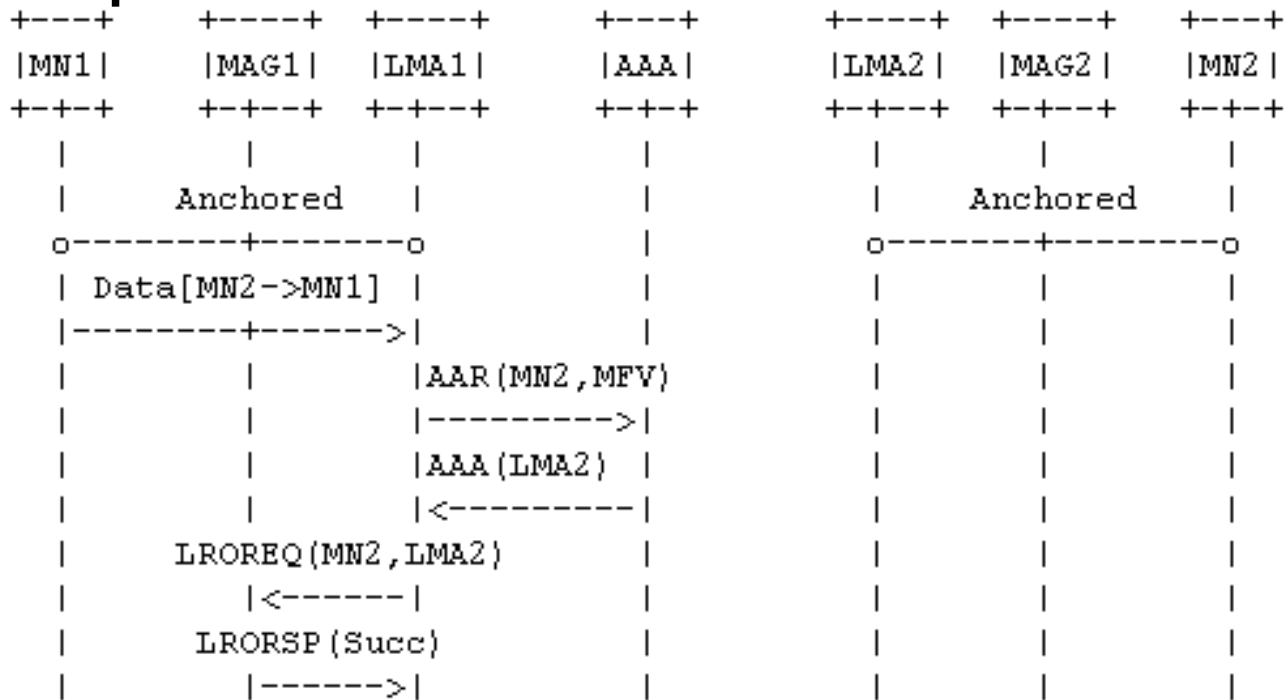
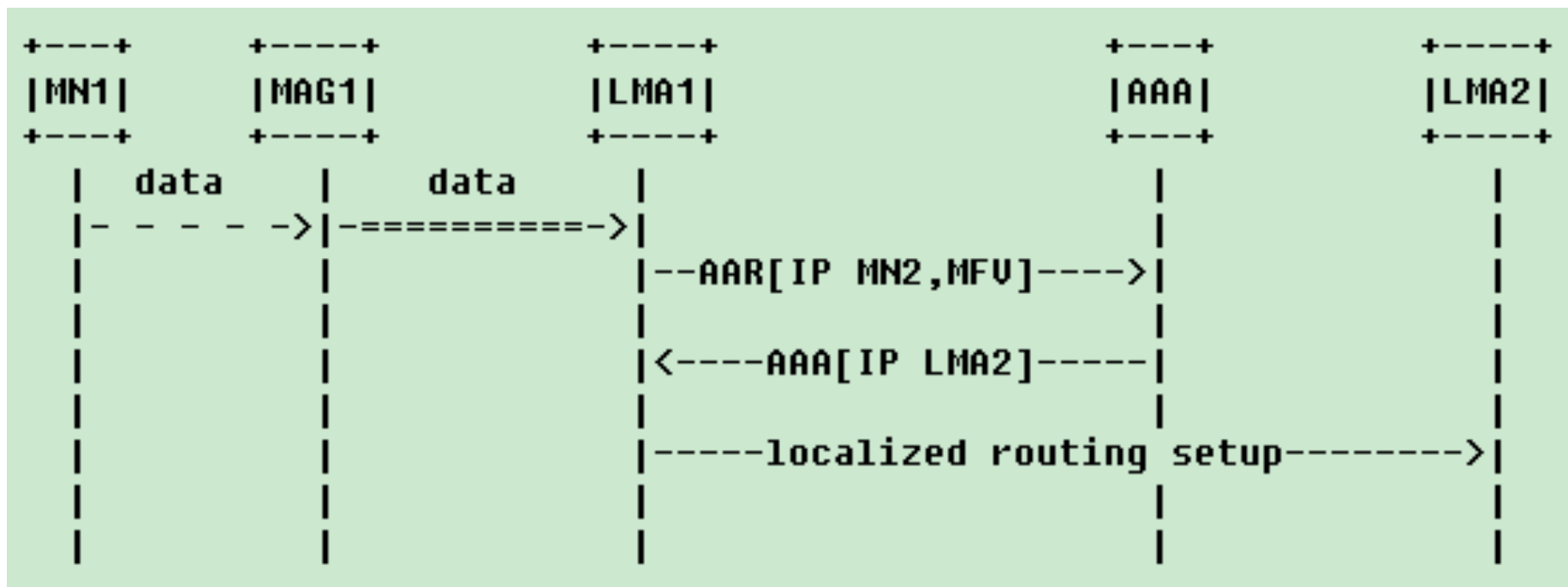


Figure 3: LMA-initiated Localized Routing Authorization

Proposal 2 from other author (Marco)

- Add one new use case that the LMA resolution can be used



Proposal 3 from other author (Marco)

- Figure 1 in the I-D.ietf-dime-pmip6-lr should not list a. and b. as steps, as it may confuse the reader to think both steps are mandatory, suggest to reword as:

“

The interaction of the MAG and the LMA
with the AAA server according to the extension
specified in this document
considers the following features

”

Moving Forward

- Request WG to make decision on these three proposals?
- Encourage more review of draft and early feedback