Carrying Location Objects in RADIUS - GEOPRIV Discussion

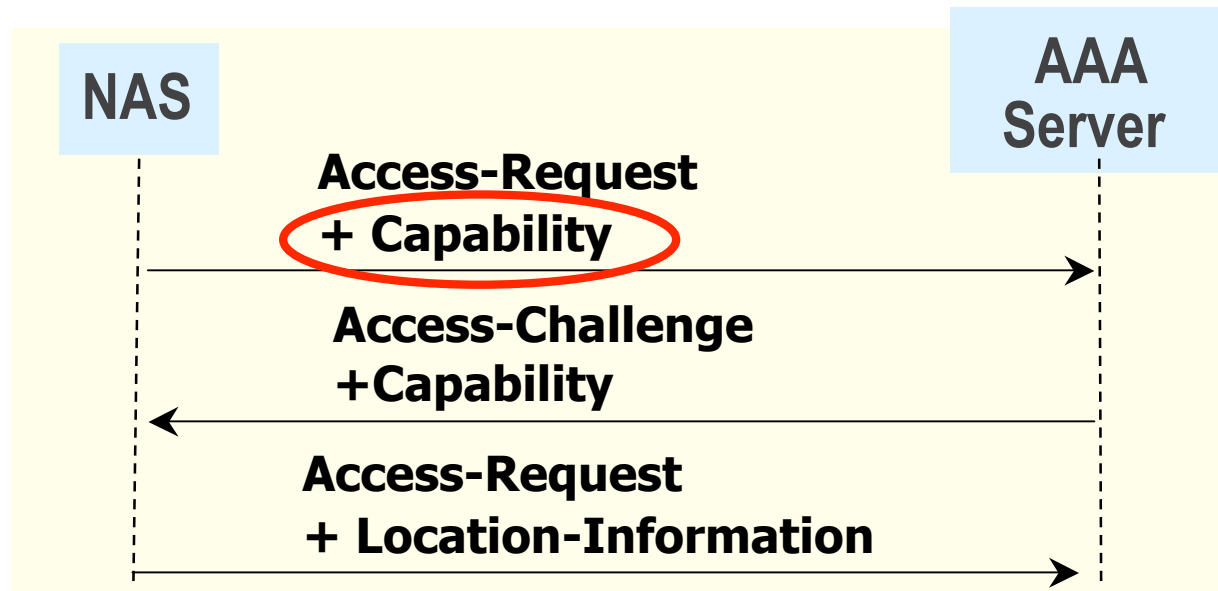<draft-ietf-geopriv-radius-lo-04.txt>

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Current Status

- The recent draft update <draft-ietf-geopriv-radius-lo-04.txt> raised some discussions on the RADEXT mailing list because of the generic capability functionality.

- The GEOPRIV scenarios should not depend on Capability work (future) in the RADEXT working group.
- Suggested approach for dealing with the problem is outlined in the subsequent slides.
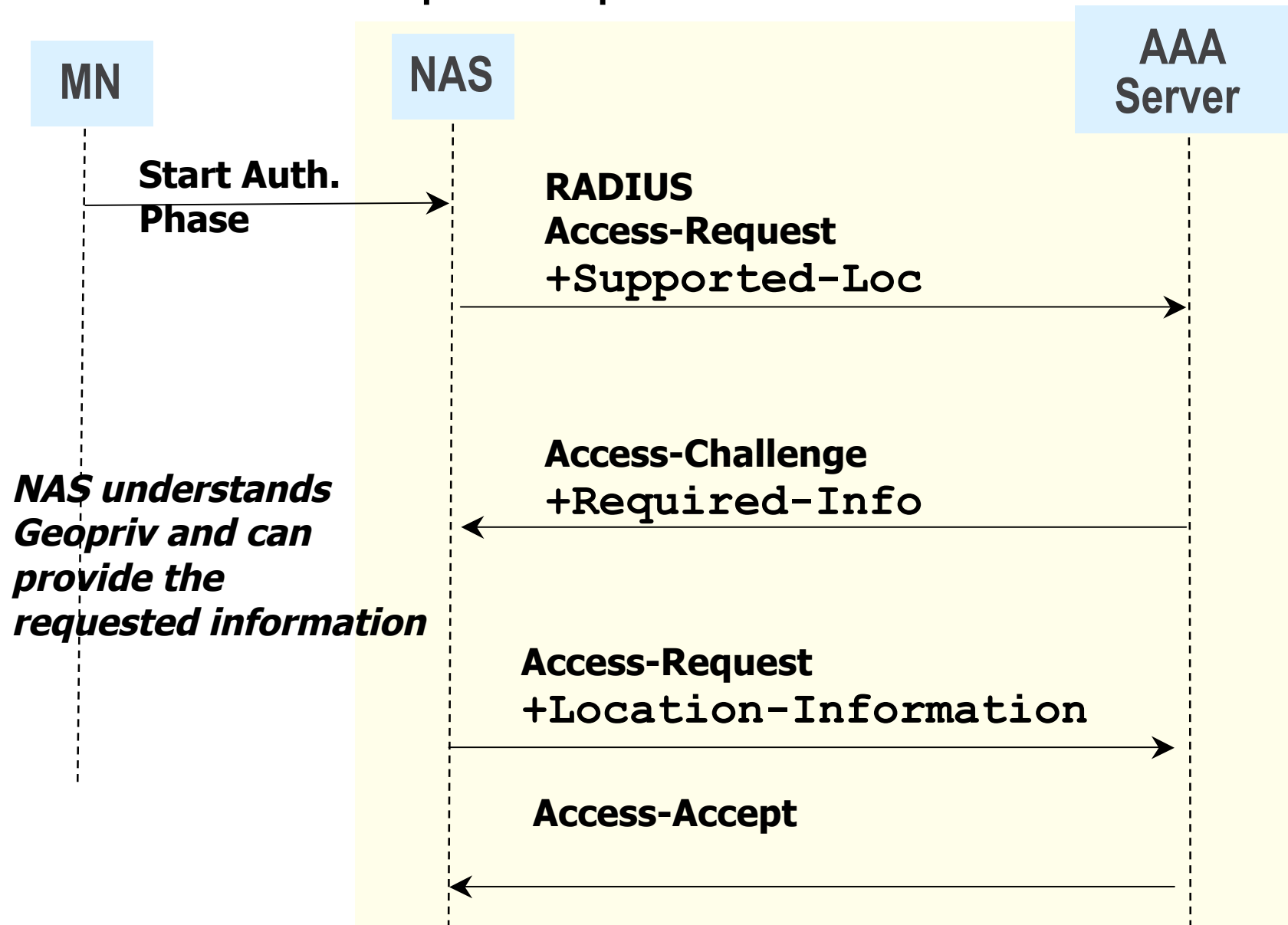
Static Scenario

Start Auth. Phase

RADIUS Access-Request
`+ Location-Information`
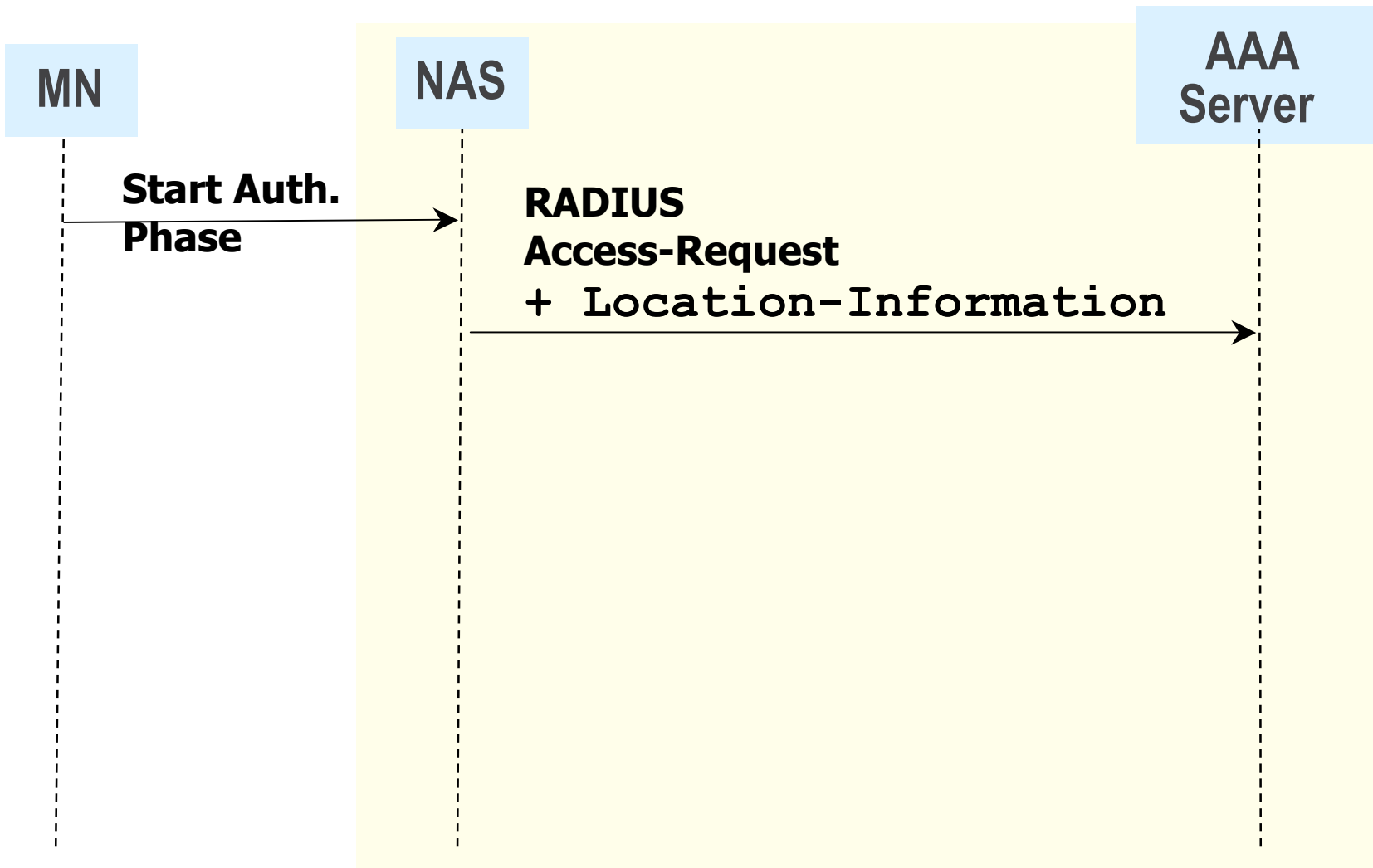
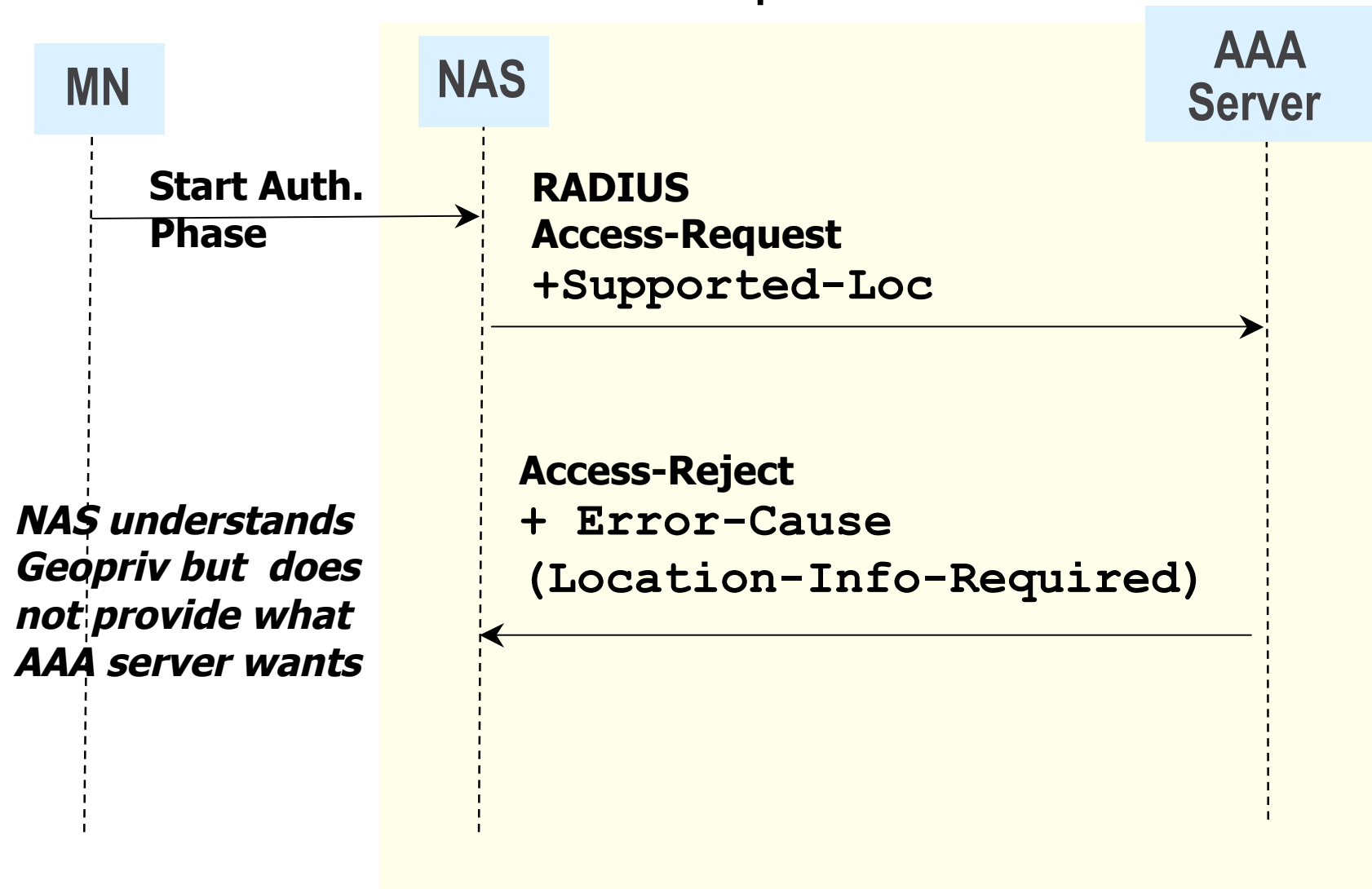**NAS and AAA have a prior agreement on the transmission of location information**

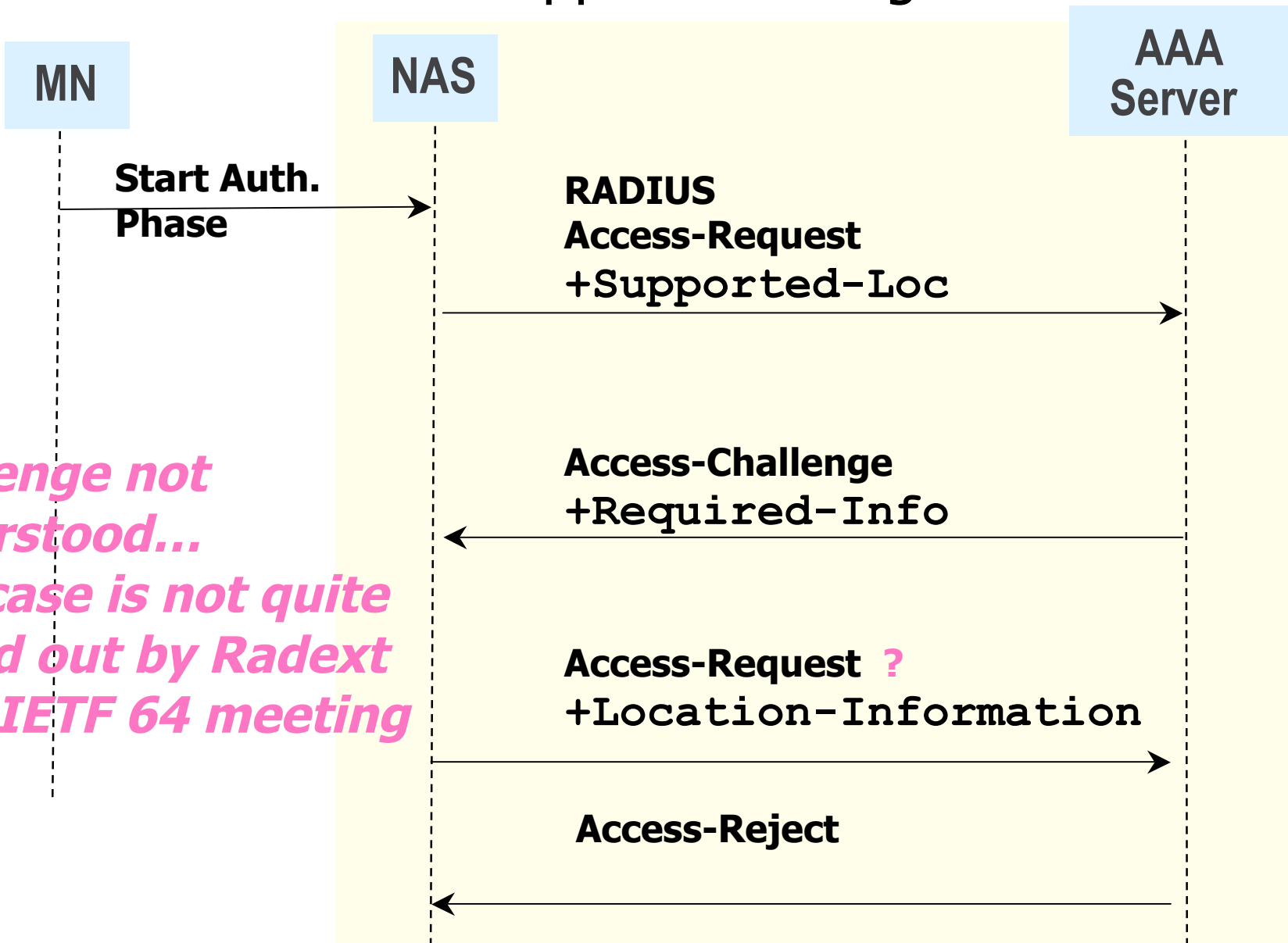# Dynamic Scenario for location-based authorization
Case A: NAS is Geopriv Capable

Dynamic Scenario for location-based authorization
Case B: NAS cannot deliver requested info

MN

NAS

AAA Server

Start Auth. Phase

RADIUS Access-Request +Supported-Loc

NAS understands Geopriv but does not provide what AAA server wants

Access-Reject + Error-Cause (Location-Info-Required)

Dynamic Scenario for location-based authorization
Case C: NAS does not support Challenge

Dynamic Scenario
Location for Billing, Taxation and Accounting
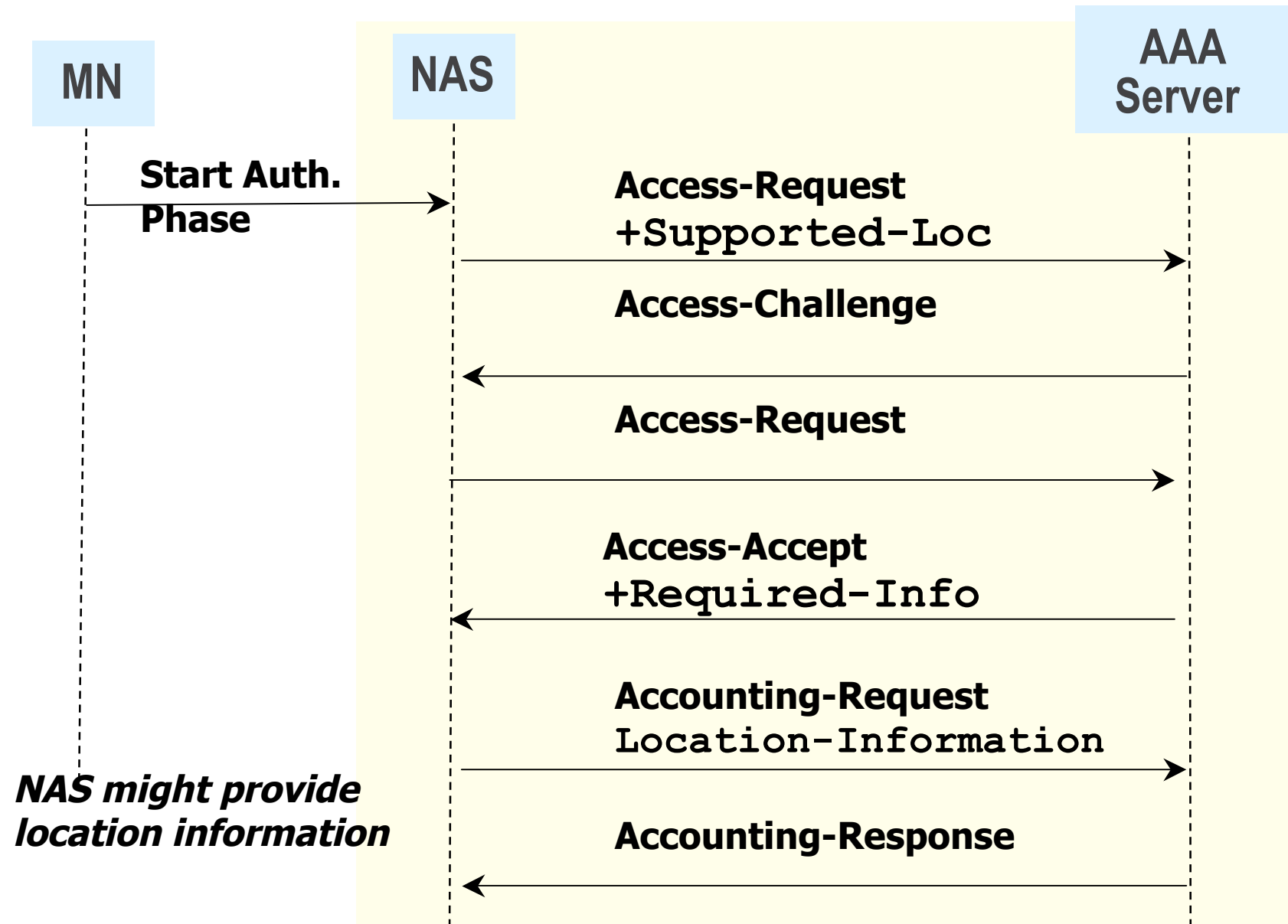
Impact for Scenarios

- The 3GPP Rel-6 I-WLAN deployment scenario requires Challenge to be supported by the NAS since EAP is used.

- GSMA IR.61 WLAN roaming scenario does not mandate the support for a Challenge but mandates the transport of certain location attributes.

Points for GEOPRIV

- RADEXT is working on resolution of its tough protocol issue with the next rev
  - — Scenarios are addressed without adding Capability

- There have been a number of issues in the RADEXT issue tracker*

  - — We have now elicited the authors to confirm their issues are resolved, on the radext mailing list
  - — More mail about resolved issues is coming
  - — In particular, issues of mid-session re-authorization (Change of Authorization / COA / RFC 3576), which are due to RADIUS protocol, should get settled this week

- From here, goal is to WGLC/review the geo and priv aspects
- GEOPRIV will track and resolve the issues.

*http://www.drizzle.com/~aboba/RADEXT/
Closed by mail (not yet on site): 23, 24, 27, 28, 29.
Mail coming shortly: 26, 71, 72, 73,85, 86
Open: 70, 74, 131