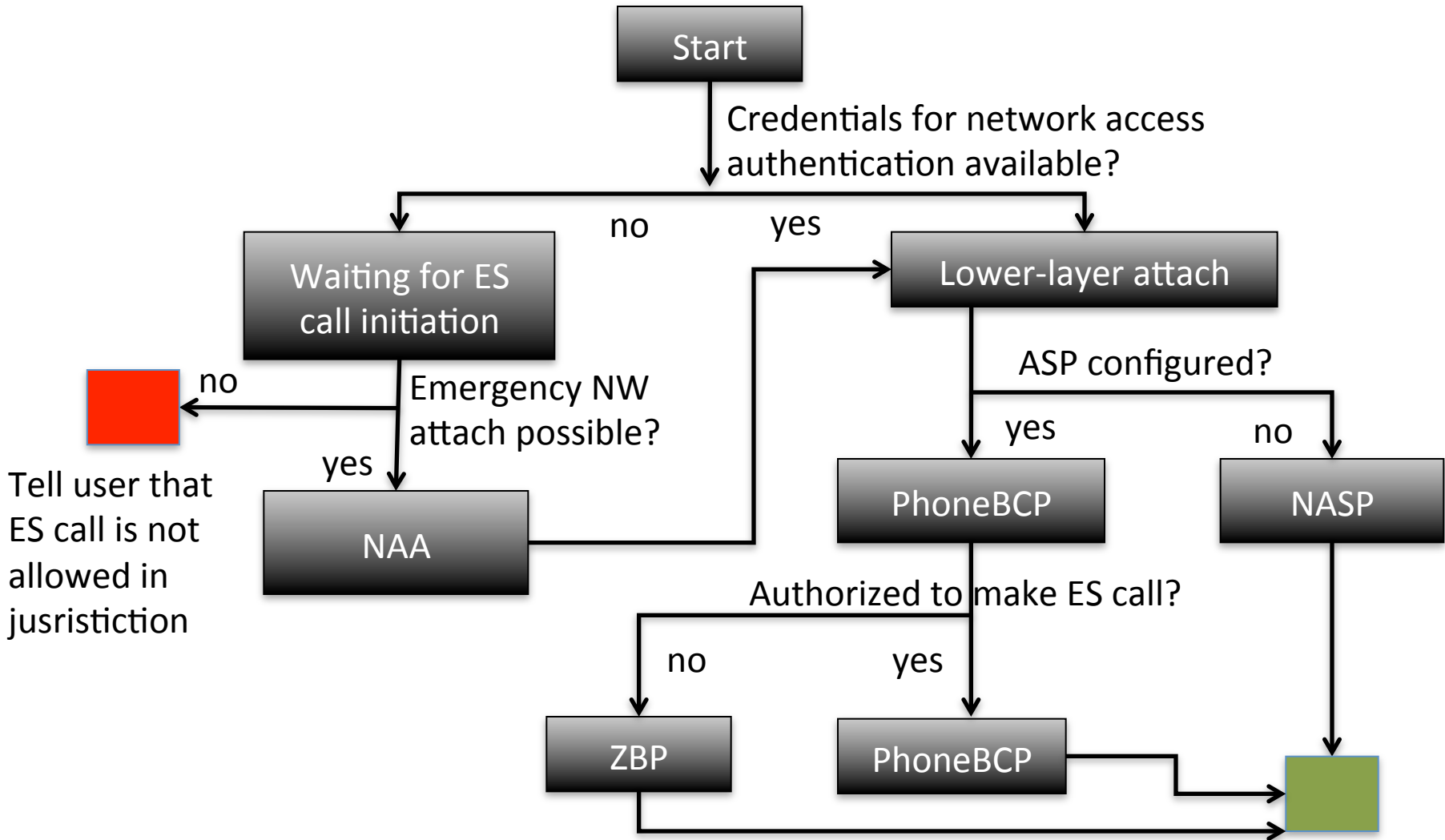# Extensions to the Emergency Services Architecture for dealing with Unauthenticated and Unauthorized Devices

draft-ietf-ecrit-unauthenticated-access-03.txt

Status

- draft-ietf-ecrit-unauthenticated-access-02.txt received a number of review comments from Bernard Aboba, Martin Thomson, and Marc Linsner
- Main issues on the next few slides.
- draft-ietf-ecrit-unauthenticated-access-03.txt addresses editorial comments and minor comments.

Issue #1: No Access Authentication (NAA)

Start

Credentials for network access authentication available?

no   yes

Waiting for ES call initiation

Lower-layer attach

no

Tell user that ES call is not allowed in jusristiction

Emergency NW attach possible?

ASP configured?

yes   no

yes

NAA

PhoneBCP

NASP

Authorized to make ES call?

no   yes

ZBP   PhoneBCP

Call Flow

Location Information
Server

Routing Database

(2)
Location +
Service
Identifier

(1) Location

(3)
PSAP URI +
emergency
number

dial **9-1-1**

(4) INVITE
Request URI:
  urn:service:sos
To: urn:service:sos
Route Header: PSAP
URI
PIDF-LO

SIP Proxy

VSP

(5) INVITE
Request URI:
  urn:service:sos
To: urn:service:sos
Route Header: PSAP URI
PIDF-LO

PSAP

Issue #2: The State of Hotspot Access

- Bernard illustrated that the current hotspot access is quite bad and there is no easy way to get to the functionality we would need.

- The currently described functionality captures the envisioned end state and does not explain how to get to that state given the nastiness of today's network deployments.

- On one hand we want to provide a technical write-up about the functionality that is needed to make calls in the NAA case but on the other hand we need to point to the problems to get there.

Issue #3: Lack of network access authorization

- The NAA case only focuses on the lack of credentials but does not consider the case where credentials are available but network access authorization fails nevertheless.

- Lack of authorization at the application layer is covered.

Network Access Authentication Architecture
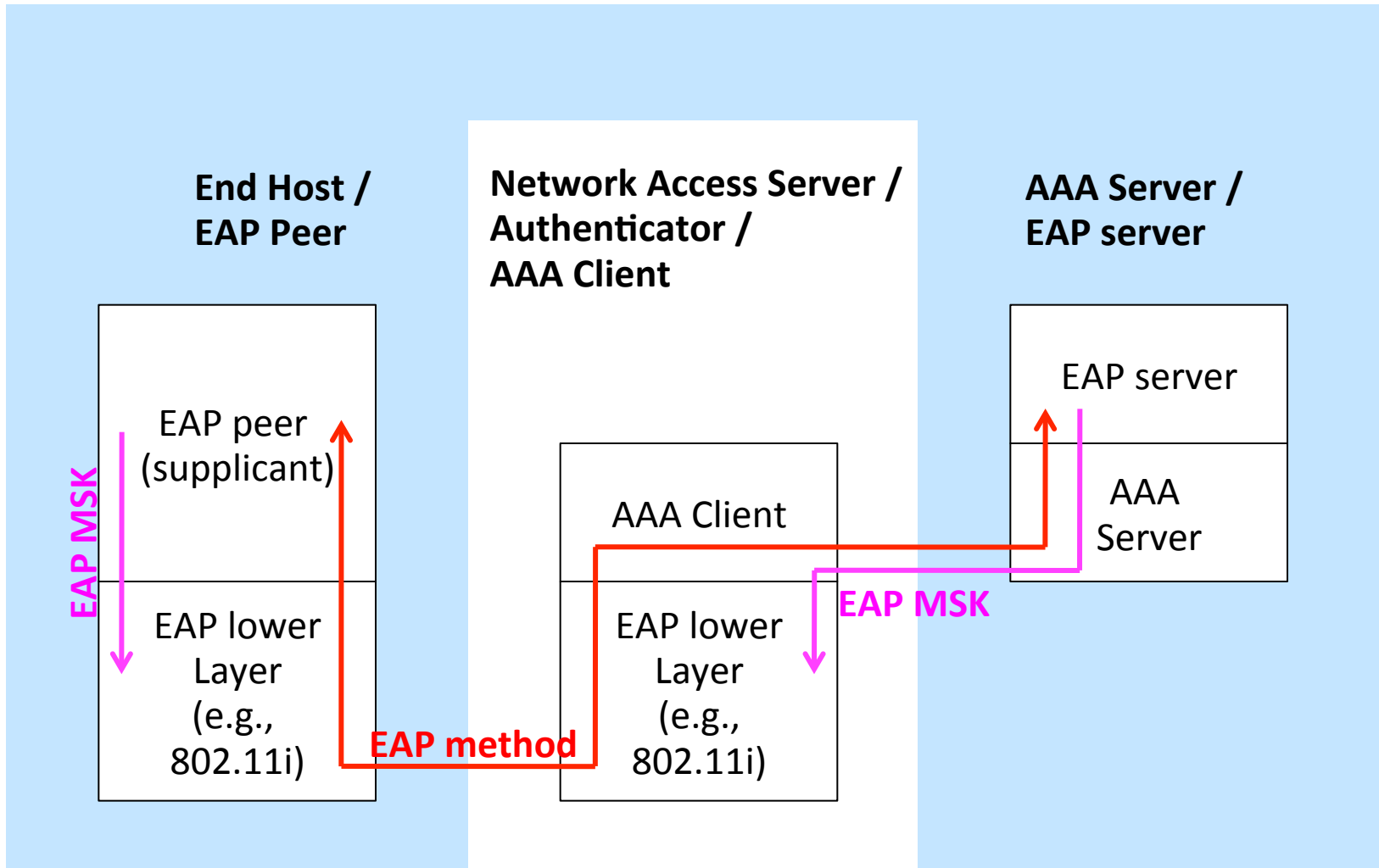
Issue #4: Document Writing Style

- An editorial question was raised by Martin as well
  - Currently, the draft states the steps that are necessary for performing the emergency call. There are only a few steps.
  - Martin suggested to instead reference the selected parts from the phone BCP and say what is not applicable.
  - Another option is to provide a summary of what is different.