

Access Network Information Option for Proxy Mobile IPv6

**Sri Gundavelli (Cisco), Jouni Korhonen (NSN)
Mark Grayson (Cisco), Kent Leung (Cisco)**

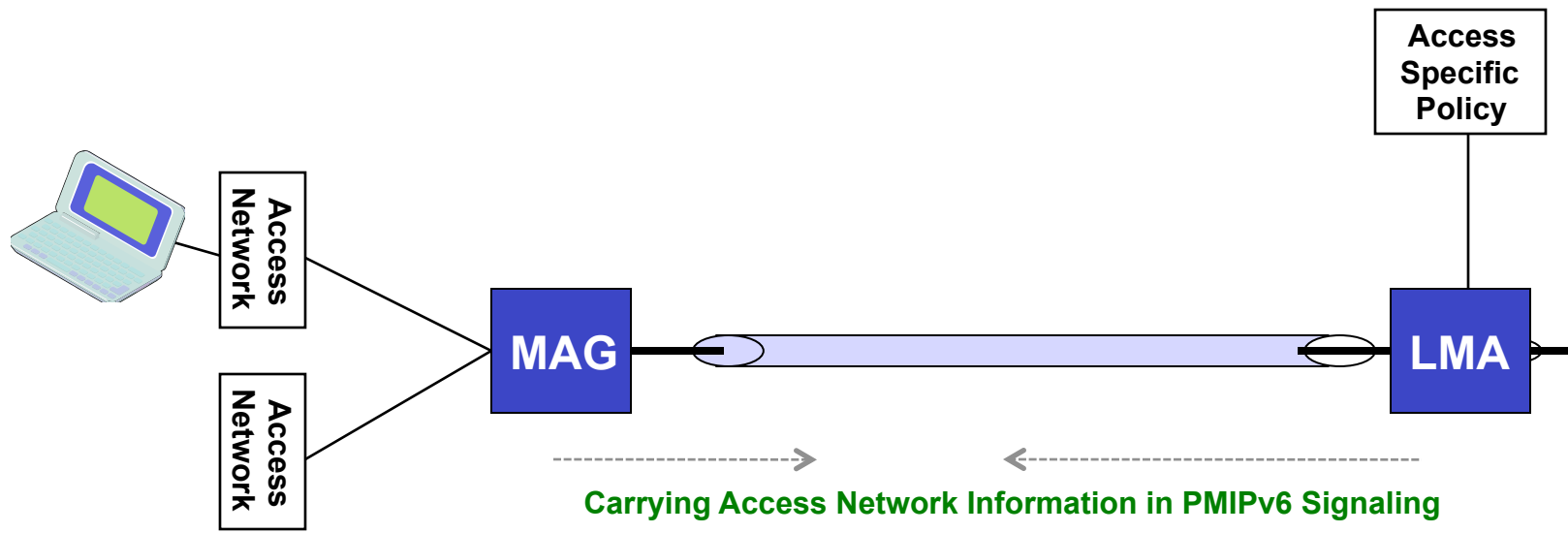
draft-gundavelli-netext-access-network-option-00.txt

Motivation

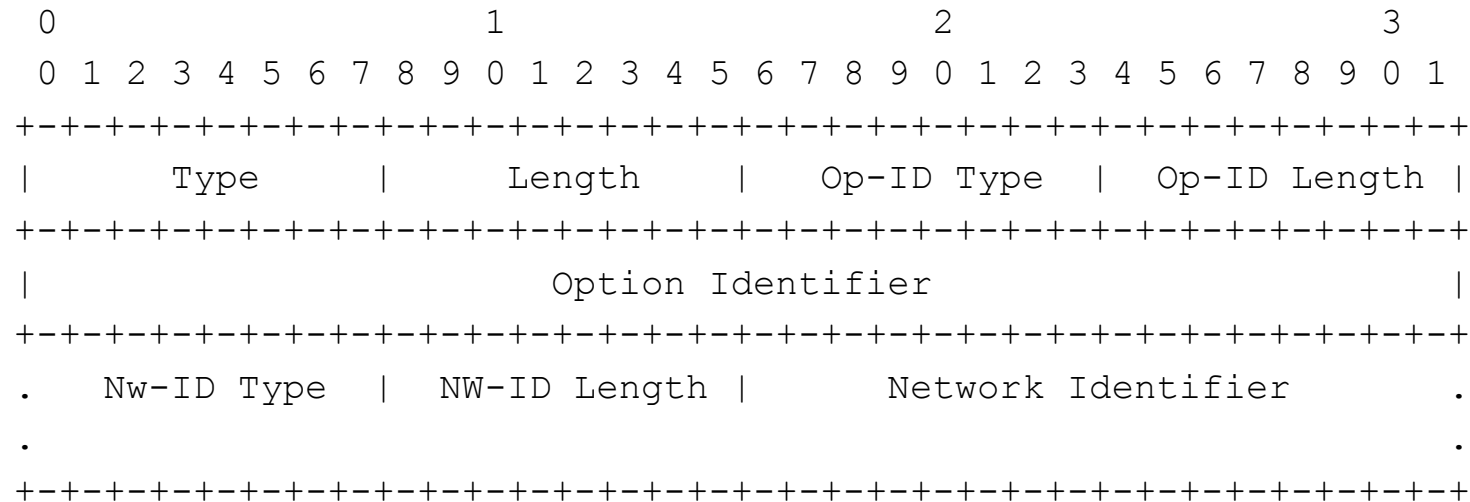
- In many deployments there is a need for the local mobility anchor to provide differentiated services and policing to the mobile nodes based on the access network to which they are attached.
- For example: a.) the service treatment for the mobile node's traffic may be different when they are attached to a access network owned by the home operator than when owned by a roaming partner. b.) The service treatment can also be different based on the configured SSID in case of IEEE 802.11 based access networks.
- The Proxy Mobile IPv6 specification allows carrying of the Access Technology Type (ATT) information from the MAG to LMA. However, the ATT is alone is not sufficient for correct policy to be applied at the LMA and there is a need to ensure additional information related to the access network is available.

Carrying Access Network Information

- The proposal is to define a new mobility option, so the Access network information can be carried from the MAG to the LMA over Proxy Mobile IPv6 signaling.



Access Network Information Option Format



Op-ID Type:

1. Reserved
2. Vendor Id as a private enterprise number (SMI)
3. Realm of the operator

Operator Identifier:

Up to 256 octets. Encoding of the identifier depends on the OP-ID Type

Next Steps

- Proposal to standardize the Access Network Information option.

Thank You

