

# Authentication Extensions for the Dynamic Host Configuration Protocol

draft-pruss-dhcp-auth-dsl-03.txt

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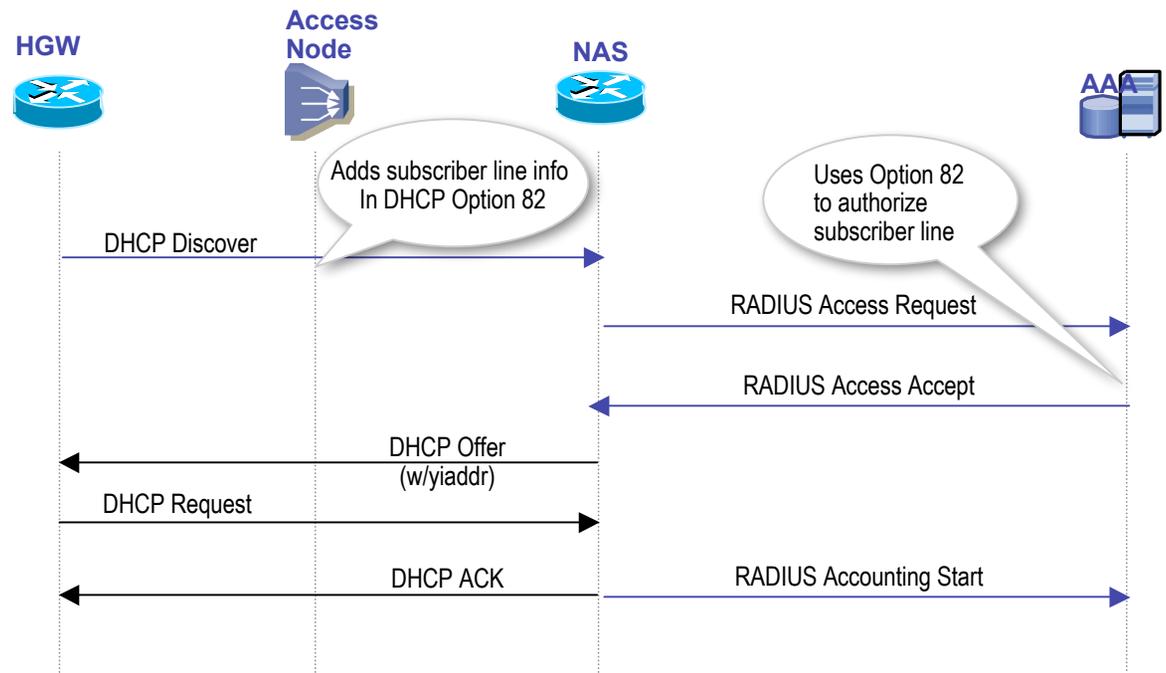
# Quick reminder of “DHCP Proxy” to AAA\*

Host configuration provided by centralized AAA systems

RADIUS subscriber attributes are mapped to DHCP Options

Driven by the need to protect massive investments in custom AAA systems and back-end infrastructure

\* This function is available from a number of NAS vendors today



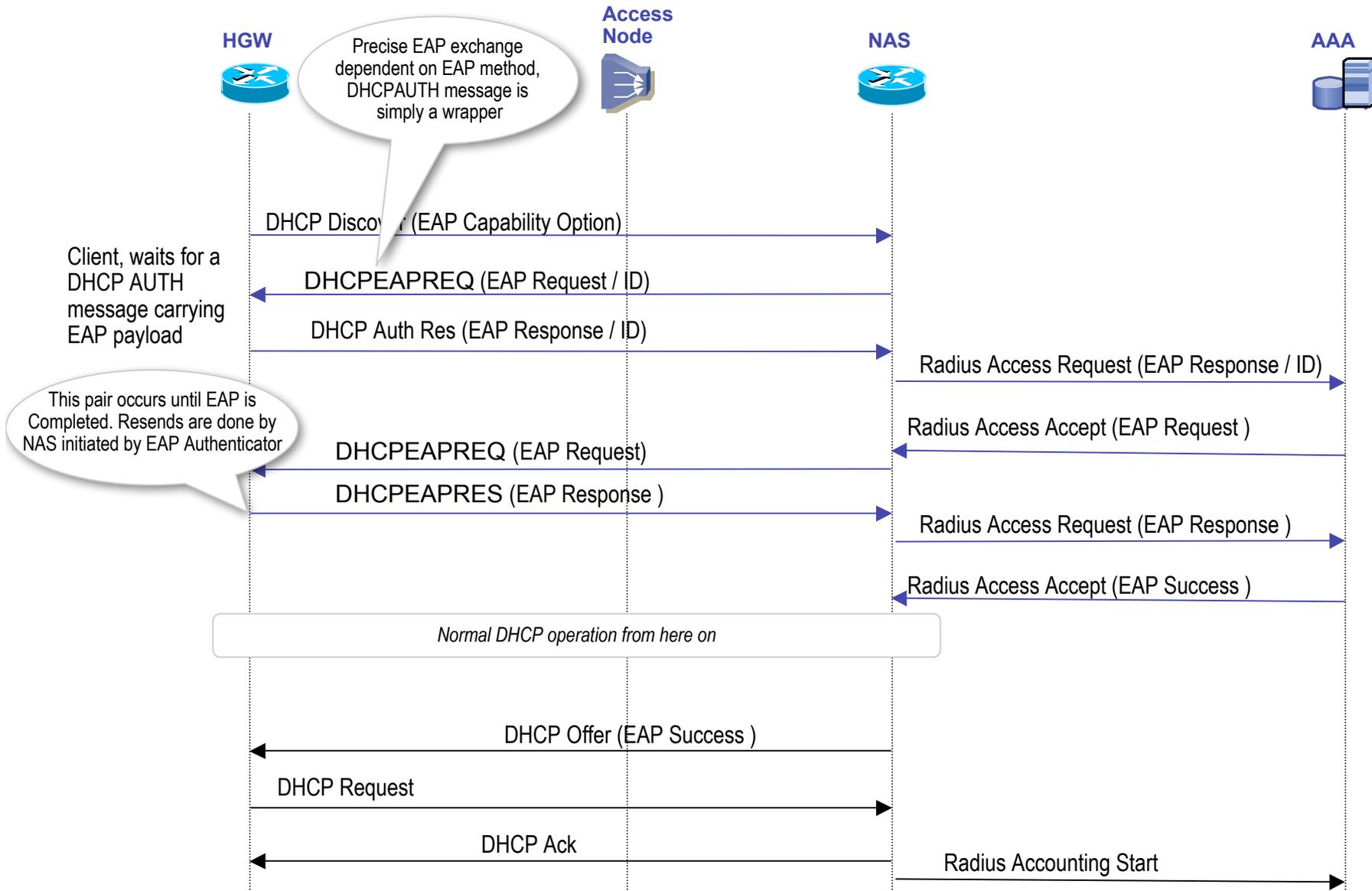
Relying on option 82 marking may not be sufficient in some cases:

- Migration existing Username/Password systems
- End user controlled retail ISP selection (@domain)
- Subscriber nomadicity
- Line information at the Access Node may not always be reliable

## Changes in this version

- Collapsed to the EAP option based on a strong statement on requirement for EAP in DSL Forum and customer feedback.
- First draft proposal for DHCPv6 messages for EAP in DHCP based deployments.
- Section on fragmentation to clarify the space for messages.

# Authentication Extensions for DHCP: NAS acting as DHCP server



# Authentication Extensions for DHCP: central DHCP Server

