Summary of IETF draft on 802 attributes

http://www.ietf.org/internet-drafts/draft-aboba-radext-wlan-08.txt

Summary of Attributes

Allowed-Called-Station-Id
EAP-Key-Name
EAP Peer-Id
EAP-Server-Id
Mobility-Domain-Id
Mesh-Key-Distributor-Domain-Id
Preauth-Timeout
EAP-Lower-Layer
Network-Id-Name
Description of Attributes

• Allowed-Called-Station-Id
  – Provides a list of allowable NAS and NID combinations that the user may have access to.
  – Useful for the case where the NAS doesn’t initiate an Access-Request
  – The Called-Station-ID is the MAC address of the NAS with the NID appended.
Description of Attributes

• EAP-Key-Name
  – A general way to deliver Key-Names to the NAS. Link layer dependent.

• EAP Peer-Id
  – contains a Peer-Id generated by the EAP method. Link layer dependent.

• EAP-Server-Id
  – contains a Server-Id generated by the EAP method. Link layer dependent.
Description of Attributes

• Mobility-Domain-Id
  – Allows NAS to inform RADIUS server the MDID defined in IEEE 802.11r

• Mesh-Key-Distributor-Domain-Id
  – Allows NAS to inform RADIUS server the MKDD-ID defined in IEEE 802.11s

• Preauth-Timeout
  – Allows RADIUS server to configure NAS wait time for association after successful preauth.
Description of Attributes

- **EAP-Lower-Layer**
  - Provides a name space to identify the lower layer of EAP
  - Current enumeration includes:
    1 - Wired IEEE 802.1X Version 1 (2001)
    3 - Wired IEEE 802.1X Version 3 [IEEE-802.1X-REV]
    4 - WPA
    5 - WPA2 (no pre-authentication)
    6 - WPA2, IEEE 802.1X pre-authentication
    7 - IEEE 802.11r
    8 - IEEE 802.11s
    9 - IEEE 802.16e
    10 - IKEv2
    11 - PPP
    12 - PANA (no pre-authentication)
Description of Attributes

• Network-Id-Name
  – Contains the NID-name the supplicant would like to select as determined by the authenticator
  – Sent along with called-station-ID and not appended because of length issues. Not consistent with Allowed-called-station-ID attribute
  – Used for accounting as well as authorization.
Discussion on draft

• We need to add another attribute for Access-Level
• Is EAP-Peer-ID the same as User-Name? How is it used
• Allowed-Called-Station-ID is awkward. Do we really need to add the station-ID or just send down a list of Allowed NIDs?