

# RADEXT WG

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draft-ietf-radext-ieee802ext-08

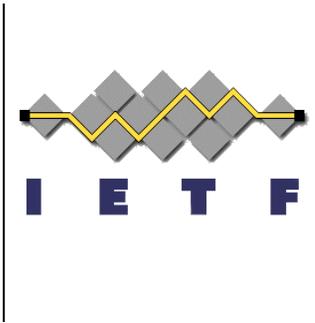
Bernard Aboba

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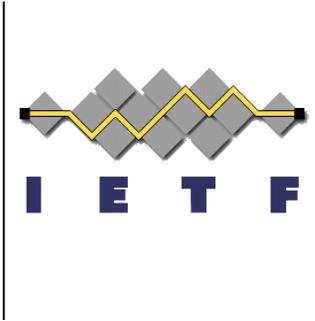
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# Draft Status

- WG Last Call has concluded.
- Two open issues: 153 (Access-Info) and 169 (WLAN-SSID).
- Once these are closed, next step is isubmitting -09 (and forwarding to IESG?).

# Issue 169: WLAN-SSID Redundant



- WLAN-SSID attribute provides the same information as the Called-Station-Id attribute, namely the SSID (maximum of 32 octets).
- Solution proposed:
  - Remove the WLAN-SSID attribute.

# Issue 153: Access-Info Attribute



- The Access-Info Attribute could cause the Access status information to change during and after authentication... the desired behavior is unclear.

# IEEE 802.1X-2010 Access Model



- Zero or one Access-Info Attribute can be present in all RADIUS messages.
  - Access-Request: Reflects what the user has sent in an EAPoL-Announcement.
  - Access-Accept/Challenge/Reject, Disconnect-Request/CoA: What the RADIUS server wants the NAS to send in a EAPoL-Announcement.
  - Accounting-Request: Reflects an EAPoL-Announcement sent from the NAS to the user.

# IEEE 802.1X-2010 Access Model (cont' d)



- If a NID-Name is included along with an Access-Info Attribute, the Access-Info Attribute applies to that specific NID; if not, it applies to the Port (generic EAPoL-Announcement).
- Along with Access-Info and NID Attributes, other EAPoL-Announcement TLVs defined in Table 11-8 are potentially relevant:
  - MACsec Cipher Suites TLV (Section 11.12.3)
  - Key Management Domain TLV (Section 11.12.4)
  - Organizationally Specific TLV? (Section 11.12.5)



# MACsec Cipher Suites TLV

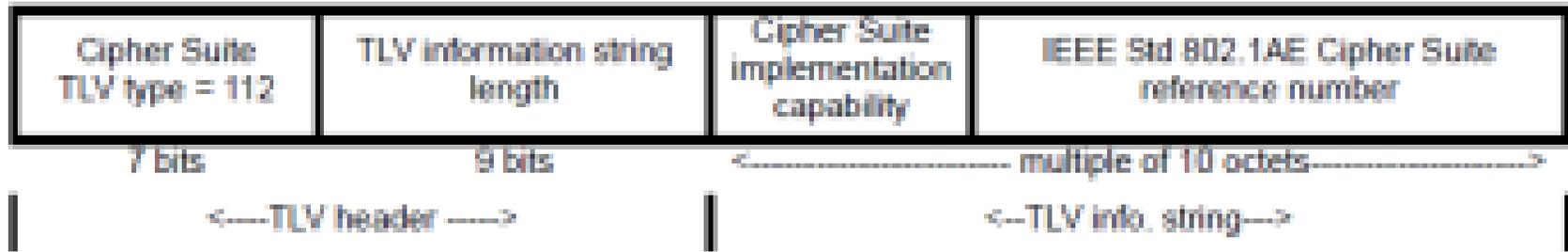


Figure 11-21—MACsec Cipher Suites TLV format

# Key Management Domain TLV



Figure 11-22—Key Management Domain TLV format



# EAPoL-Announcement TLVs

Table 11-8—EAPoL-Announcement TLVs

TLV type	TLV name	Set	Validity <sup>a</sup>	Version 3 <sup>b</sup>	Reference
0–110	Individual TLVs reserved for future standardization	No	Reserved for future standardization.	—	
111	Access Information	No	Announcement, Announcement-Req, EAPoL-Start: Global, NID Set	M	11.12.2
112	MACsec Cipher Suites	No	Announcement: Global, NID Set	M	11.12.3
113	Key Management Domain	No	Announcement: Global, NID Set	M	11.12.5
114	NID (Network Identifier)	NID Set	Announcement, Announcement-Req, EAPoL-Start	M	11.12.1
115–125	Set TLVs reserved for future standardization.	Yes	To be specified	—	
126	Organizationally Specific Set TLV <sup>c</sup>	Yes	Specified by administering organization	O	11.12.5
127	Organizationally Specific TLVs	No		O	11.12.5

<sup>a</sup>Specifies the EAPoL Packet Types: Set(s) in which a given TLV is valid.

<sup>b</sup>If Announcements claimed for EAPoL Protocol Version 3: M—mandatory to implement, O—optional, — ignore

# Feedback?

