

Wireless Committee Meeting  
July 25, 2007  
Noon – 650 Kommas Board Room

Attending: Mindy Tueller, Steve Scott, Andrew Goble, Steve Jeffs (?), Wes Tolman, Hang Wong, Steve Adams, Dave Packham, Rob Wineriter, Curtis Larsen, Pieter Bowman, Brad Hawkes,

Agenda: OIT's report on the status of enabling uconnect.utah.edu for PEAP

Rob W: see the Wireless Wiki page to sign up for PEAP testing . . . PEAP testing for PDAs, Vista, XP. So far, PDAs cannot select between AES and TKIP. Works with the setting of WPA with TKIP but not if they have an option, which we have to do with the Trapeze hardware. Kommas and SSB are locations for testing or let Rob know and he can point you to the correct Radius server. Post on the Wiki page the results. Want to test for a month. Will be building two other Radius servers. Aps have a beacon that tells what encryption they can do: pair-wise cipher (unicast for individuals) and a group cipher (multicast – must be at the LCD for encryption). OIT is limited on Trapeze; AES is either on or off.

**Uconnect now**

WPA2 (RSN)  
PW AES, TKIP  
Group TKIP

WPA  
PW AES, TKIP  
G TKIP

**Hospital now**

WPA2 (RSN)  
PW AES  
G TKIP

WPA  
PW TKIP  
G TKIP

**uuhsc\_test**

WPA2 (RSN)  
PW AES, TKIP  
G TKIP

WPA  
PW TKIP  
G TKIP

Only PDAs seem to choke on AES as the pair-wise cipher. Don't know about platform. Macs will probably be okay. Dave Huth's goal: make it easy for everyone (transparent, if possible). Completely compatible mode would look like:

**Uconnect\_proposed**

WPA2 (RSN)  
PW TKIP  
G TKIP

WPA  
PW TKIP  
G TKIP

Would we be lowering our standards? TKIP is WEP, "fixed," no glaring weaknesses but not as robust as AES. Maybe there is a fix already or one in the works – need to contact Microsoft. 1. Need to pressure Trapeze to work like Aruba (Hospital). 2. Consider lowering standards to TKIP. Security issues? Andrew feels like we're okay for a few more years. To test PEAP you just need to point to a different Radius server – Rob will make a new profile and shoot it to your AP. This is not via the mesh – a different server altogether. Need more Vista testers!! No way we'll be ready for fall semester start with PEAP. Reasonable timeline? Rob wants OIT Systems to have new Radius servers ready once the testing is done – would be pretty simple for users (a prompt to use a new certificate – that's all). Need to put the newest code for Radiator code (3.17.2). Rob Roll is the main Systems guy.

Test Day this Friday – bring every PDA, everything wireless you have to the NOC (585 Kommas) at 9:00 am for testing on PEAP.

Future topics: VLAN tagging (Steve Adams)

Attributes? Don't know yet, but probably standard (Rob W.)

Hotspot abuses? Steve Scott: one copyright issue, a few users with viruses. Take a look at that email Joe Breen forwarded about Campus-based Digital Theft Prevention requirements on institutions of higher education.