Configuring Faculty and University Owned Computers for Aeris: 802.1x Wireless Connectivity

Affected Systems:
Microsoft Windows XP Professional SP2
Microsoft Windows XP Home SP2

Required Updates:
Windows XP Service Pack 2
Windows XP wireless Hot Fix #KB885453 – Download from http://www.bradley.edu/irt/projects
This patch fixes a problem most computers have when connecting to secure wireless networks.

Configure the Wireless Networking

1. Enable your wireless network service. (This may be a switch, or software that turns on the wireless card.)
2. Log in to the domain as a domain user.
3. Open Wireless Network Connections:

   **Classic Windows Style**
   a. Click 
   b. Select Control Panel
   c. Choose Network Connections.

   *Right-click on Wireless Connection and select Properties from the submenu that is displayed.*

   **Windows XP Style**
   a. Click
   b. Select Control Panel
   c. Select Network and Internet Connections
   d. Choose Network Connections.

   *Right-click on Wireless Connection and select Properties from the submenu that is displayed.*

4. Select the General tab. Remove the check from AEGIS Protocol. (Not on all systems)
1. Click Wireless Networks tab:
2. Verify Use Windows to configure my wireless network settings is checked.
3. Click Add:

4. On the Association tab of the network properties window, enter Aeris in Network Name (SSID). (cap sensitive)
5. Check the options for
   a. Data encryption (WEP enabled)
   b. The key is provided for me automatically.
6. On the Authentication tab of the network properties window:
   a. Check the option for Enable IEEE 802.1x authentication for this network. For EAP type, select Protected EAP (PEAP).
   b. Remove the check from the option for Authenticate as guest when user or computer information is available.
   c. Click Properties.

7. Check Validate server certificate, and then scroll down the list of Trusted Root Certification Authorities and check wd3admin.
8. Select Secure password (EAP-MSCHAP v2) for the Authentication Method, check Enable Fast Reconnect, and then click Configure.
9. To enable single sign-on for computers that are members of the AD domain, check the option for **Automatically use my Windows logon name and password (and domain if any)**. Click OK to accept this setting.

    With single sign-on for PEAP, the client uses the Windows logon name for the PEAP authentication, so the user does not need to enter the password a second time.

10. Click **OK** until you have exited from Wireless Network Connections Properties.
11. Restart the computer.