Configuring Student, Checkout Laptop and Non-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.

1. Enable the computer wireless networking service. (This may be a switch, or software that turns on the wireless card.)

2. 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.

3. Select the General tab.

   Remove the check from AEGIS Protocol.
   (Not on all systems)
4. Select the **Wireless Networks** tab.
   
   Click the Add button.

5. On the Association tab of the network properties window, check the options for:
   
   - **Network Name (SSID):** Aeris
   - **Network Authentication:** Open
   - **Data Encryption:** WEP
   
   Place a check in the box for: **“The key is provided for me automatically”**
6. On the Authentication tab:

   Check the option for **Enable IEEE 802.1x authentication for this network**.

   **EAP type, select Protected EAP (PEAP)**

   Remove the check from the option:
   **Authenticate as computer when computer information is available**,

   **Click Properties.**

7. **Remove the check from Validate server certificate.**

   **Select Authentication Method:** **Secure password (EAP-MSCHAP v2)**

   **Check Enable Fast Reconnect**

   **Click Configure.**
8. Remove the check from the option for **Automatically use my Windows logon name and password (and domain if any)**.

   Click **OK** to accept this setting.

9. Click **OK** until you have exited from **Wireless Network Connections Properties**.

10. **Restart the computer**.

### Connecting to the Wireless Network

11. After restarting the computer you will see the following bubble pop up on the task bar when the wireless network is in range.

12. Click in the center of the bubble (not the X) to enter your credentials.

13. In the credentials box enter your **User name**, **Password** and **AD for Logon domain**, click **OK**.

   You should now be able to use the Secure Wireless Network.