Assignment 1 - Windows 7 Power Options

**Objective:** To be able to control power options via BIOS and Windows 7

**Parts:** Computer with Windows 7 installed

**Procedure:** Complete the following procedure and answer the accompanying questions.

1. Power on the computer and ensure it boots properly before the exercise begins.
2. Reboot the computer and access BIOS Setup.
   - List the BIOS options related to power management.
   - Can ACPI be disabled via BIOS?
4. Access the current power settings by using the Start → Control Panel → System and Security → Power Options control panel. Note that various manufacturers can customize this control panel for particular computer models.
   - What power plan is currently configured?
5. Select the Create a power plan link on the left. Type a unique name in the Plan name textbox, select a plan that fits your idea of what you would like on a computer, and click Next.
   - What types of plans are available?
6. Use the Turn off the display drop-down menu to select a time. Use the Put the computer to sleep drop-down menu to select a time for the computer to go into reduced power mode.
   - What global ACPI state do you think this would assign? Look back in the chapter to review.
7. Click the Create button. Notice that the new plan appears in the list of preferred plans. Also notice that the Show additional plans or Hide additional plans arrow is in the center of the window on the right. Click on the arrow and other plans are revealed or hidden.
8. Click on the Change plan settings link under the plan you just created. Select the Change advanced power settings link.
   - List at least three devices for which you can have power controlled through this control panel.
9. Expand the USB settings, if possible, and the USB selective suspend setting.
   - What is the current setting?
10. Expand the Processor power management setting, if possible.
    - What is the minimum processor state?
    - What is the maximum processor state?
11. Expand the Multimedia settings, if possible.
    - What setting is configured with this option?
12. Click the Cancel button to return to the Change settings window. Click the Cancel button again. Show the instructor or lab assistant your settings.
13. To delete a power plan you create (the default ones cannot be deleted), select the radio button used when starting this lab. Refer to Question 4 if necessary.

14. Under the plan you created, select the Change plan settings link. Select the Delete this plan link and click OK. The plan should be removed from the power options list. Show the instructor or lab assistant that the plan has been deleted.