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**CNS DOES NOT SUPPORT MS VISTA**

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## How-to- Configure Windows Vista for wireless access on campus

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<i>Revision</i>	<i>Revised by</i>	<i>Date</i>	<i>Accepted</i>	<i>Description</i>

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## 1. Objective

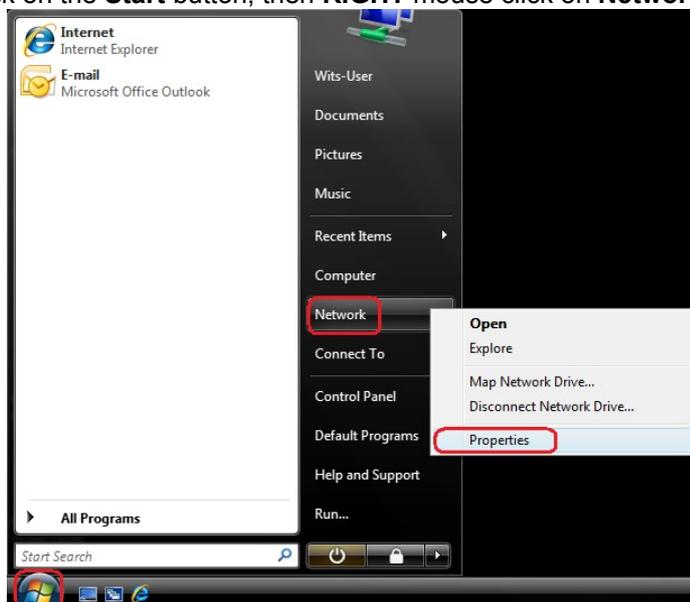
The purpose of this document is to ensure that clients with the Windows Vista Operating system are able to connect to the Wireless Network at Wits University without a VPN client. **Please note that at the time of the document creation, CNS does not support the Windows Vista Operating system and as such this document is just a helping guide.**

## 2. Assumptions

This procedure document was created using a new install of Windows Vista running service pack 1 with all of the latest Windows security updates installed at the time of document creation. The hardware used during this document creation was an Hp Compaq 6710b. This procedure also assumes that the client machine that will be connected to the Wits network is protected with some sort of Antivirus Software and that the Microsoft operating System is patched with the latest security patches

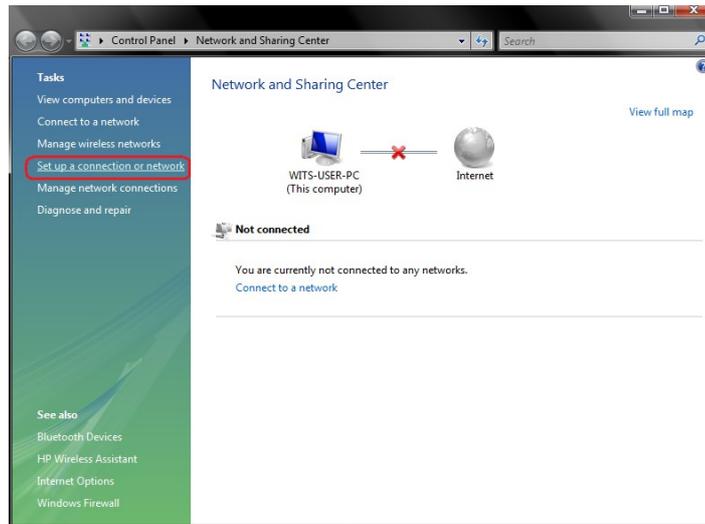
## 3. Procedure

From your Desktop, click on the **Start** button, then **RIGHT** mouse click on **Network** and select **Properties**.

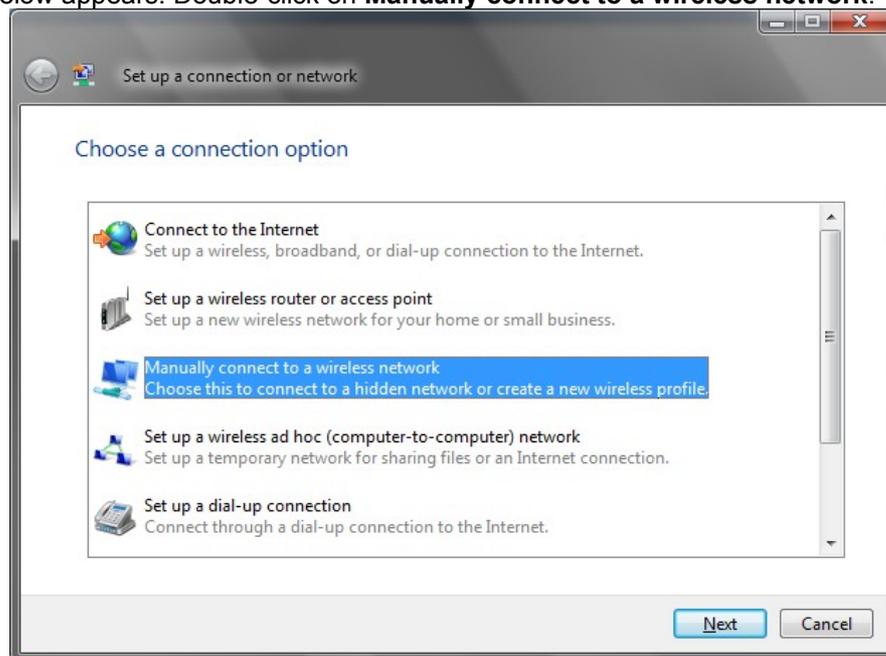


The Window below appears. Click on **Set up a network connection or network**.

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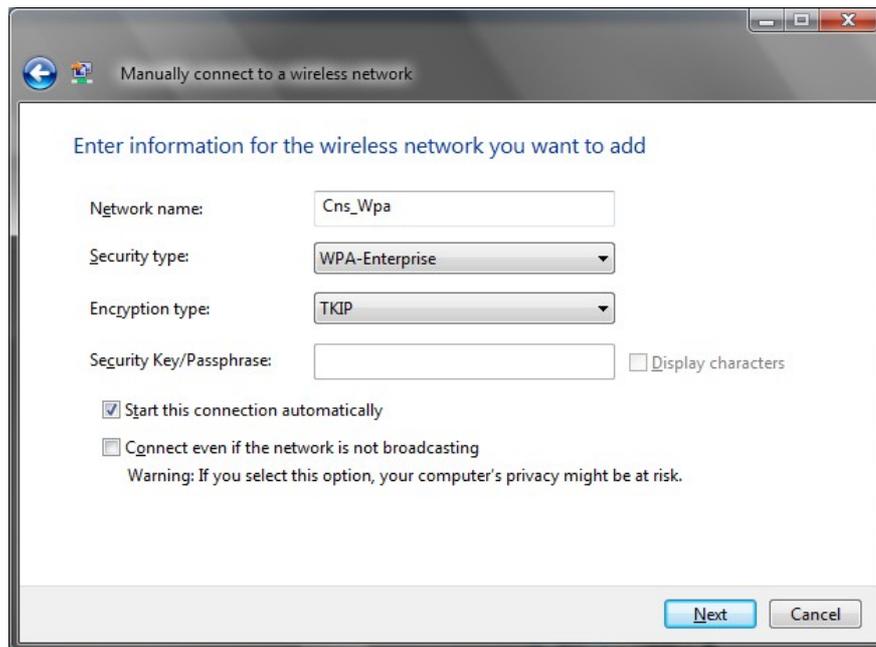


The Window below appears. Double-click on **Manually connect to a wireless network**.

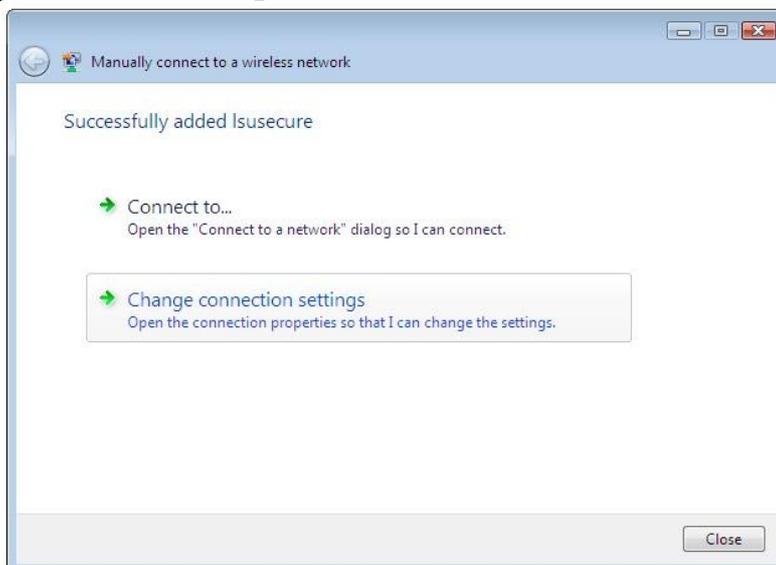


Enter the information as shown on the picture below the click **Next**.

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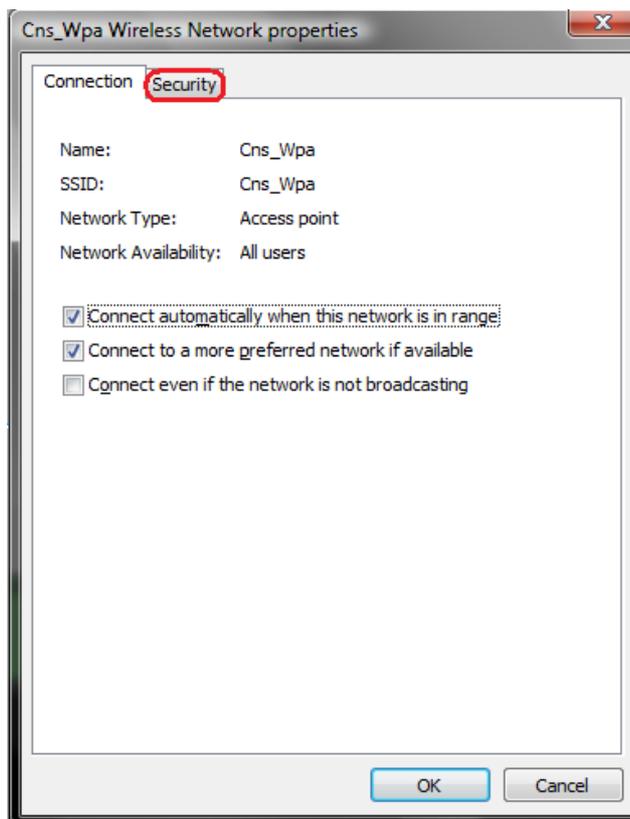


Click on **Change connection settings**



The window below appears

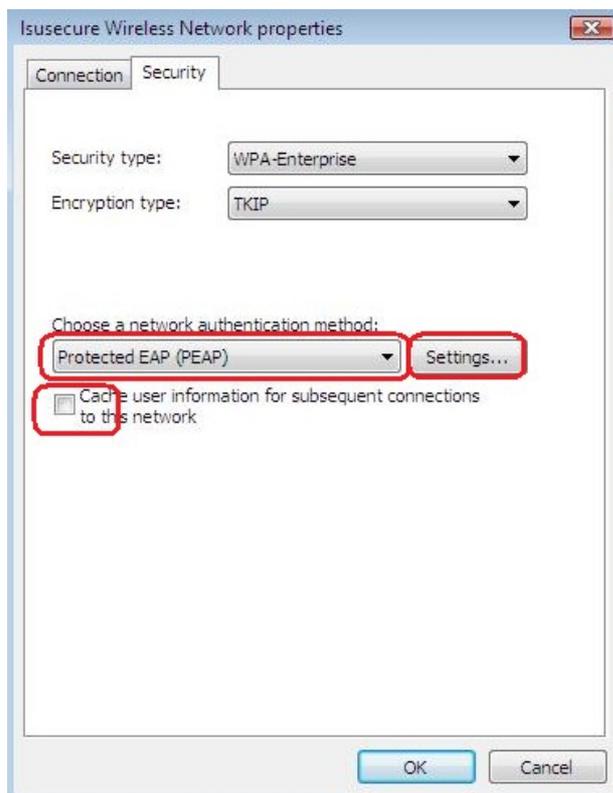
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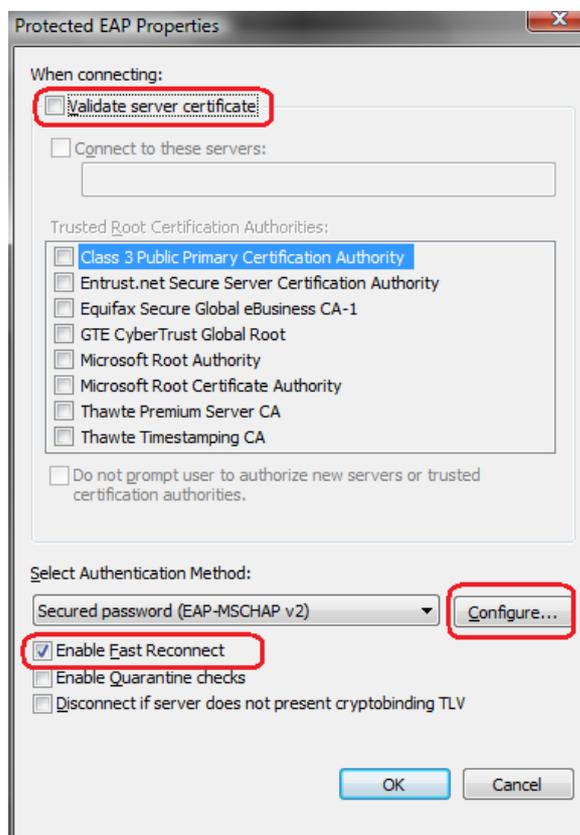
Click on the **Security** tab

The screenshot below appears. Ensure that the settings on your machine are exactly like the settings displayed below. Please ensure that the checkbox for **Cache user information** is **unchecked** and also that **Protected EAP** authentication method is selected. Then click on the **Settings** button to proceed.

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The screenshot below appears. Ensure that the settings on your machine are **exactly** like the settings displayed below



Click on the **Configure** button to proceed.

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The screenshot below appears.



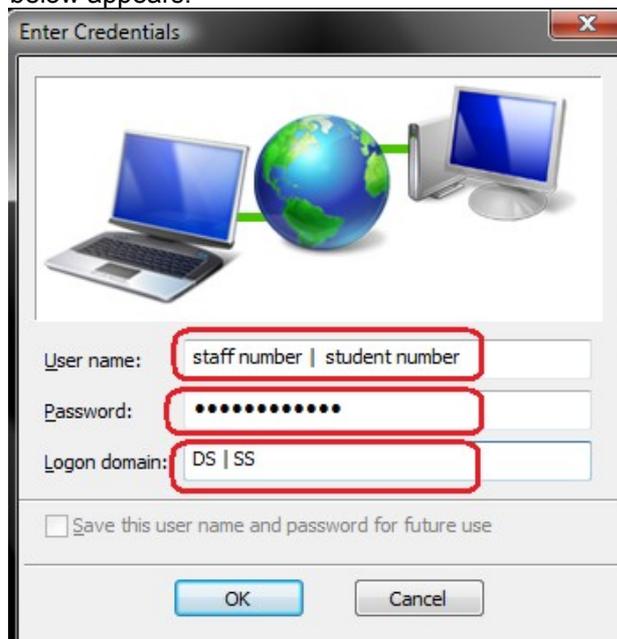
Please ensure that the checkbox is **unchecked**

Click **OK** on the rest of the opened windows until you get to the **Manually connect to a wireless network** page. Click on **Connect to...**

Highlight **Cns\_Wpa** and click on the **Connect to...** button. Look for a pop up on the lower right corner of your desktop. A small window should pop up asking you for additional information as displayed below



Click on it and the window below appears.

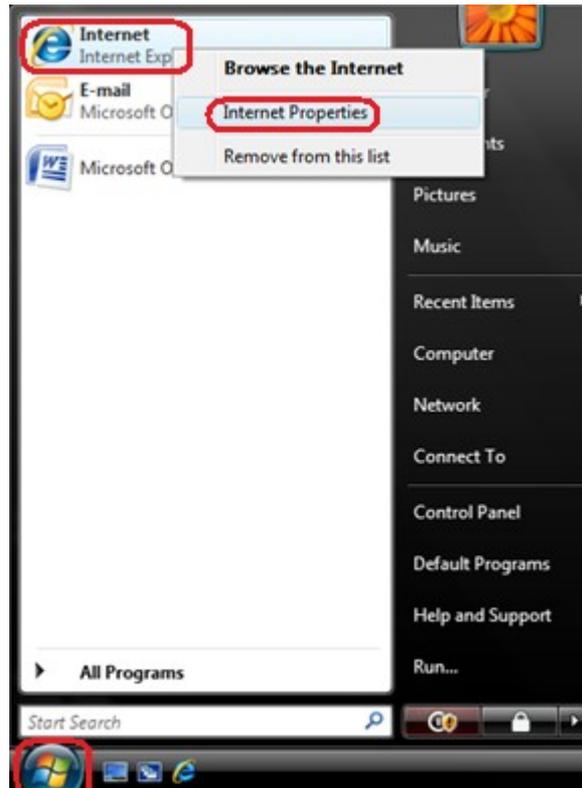


Enter in your **Staff Number** or **Student Number** in the **User name** field.  
Enter in your **Active Directory password** into the **Password** field.  
Enter in **DS** if you are a staff member or **SS** if you are a student in the **Logon domain** field

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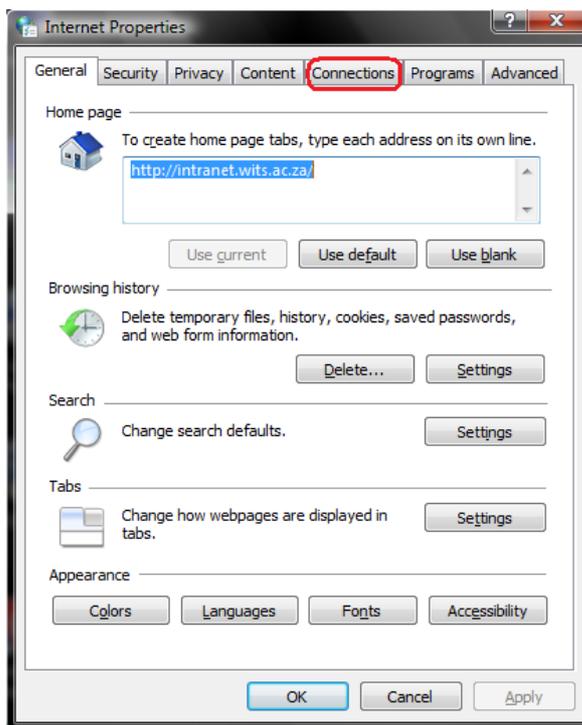
You should now be successfully connected to the Wireless network at Wits University. If you can not still connect to the Internet, please ensure that you have configured you Internet Explorer web browser to use the Wits Proxy servers as shown in the subsequent pages.

From your Desktop, click on the **Start** button, then **RIGHT** mouse click on **Internet Explorer** and select **Internet Properties**.



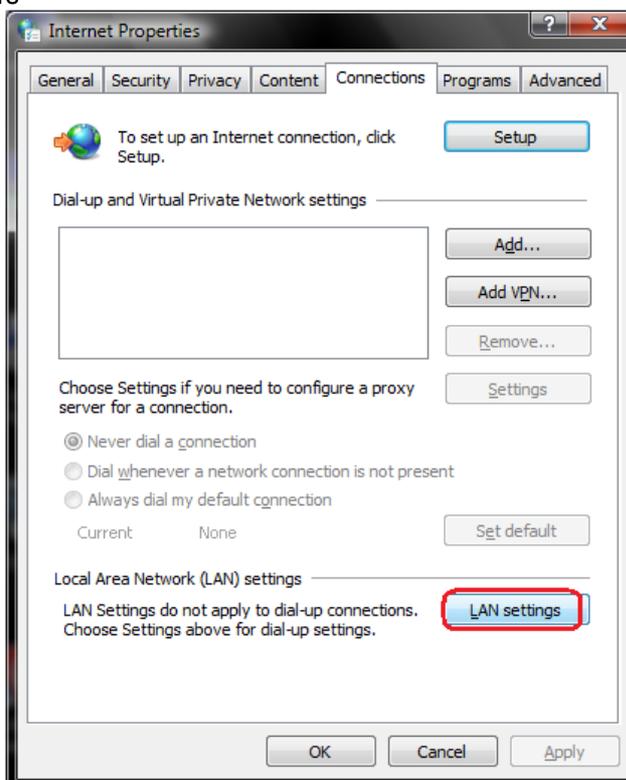
The window below appears

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Select the **Connections** tab to proceed

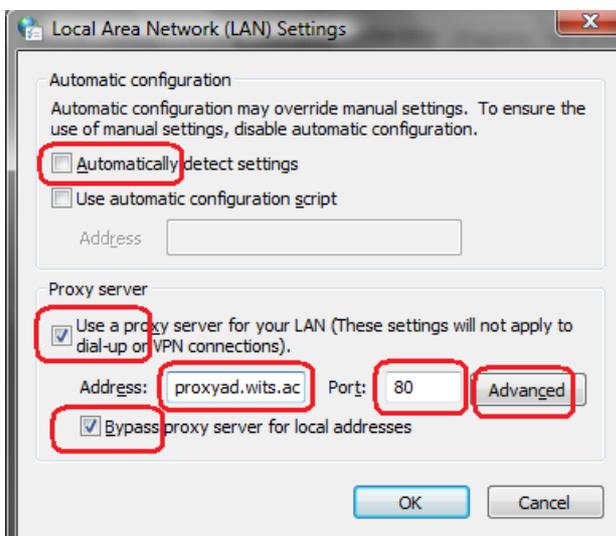
The window below appears



Select the **LAN settings** button to proceed

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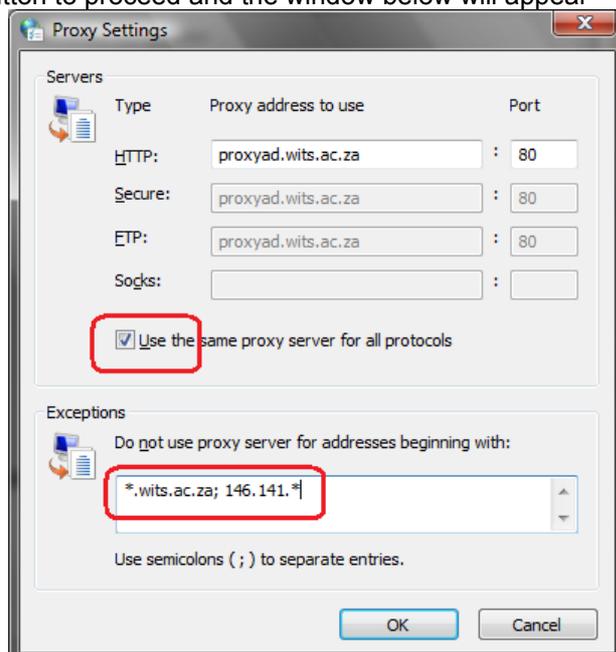
The window below appears. Please note that in the steps that follow, we are assuming this is a staff member's machine.



Please ensure that:-

- 1) **Automatically detect settings** checkbox is **unchecked**
- 2) **Use a proxy server for you LAN** checkbox is checked
- 3) **Bypass proxy server** check box is checked
- 4) If you are a staff member, the proxy address for **staff machines** is **proxyad.wits.ac.za**
- 5) If you are a student at the university the proxy address for **student machines** it is **proxyss.wits.ac.za**
- 6) The port for both staff and student machines is **80**

Click on the **Advanced** button to proceed and the window below will appear



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Please ensure that:-

- 1) **Use the same proxy server** checkbox is **checked**
- 2) In the **Exceptions** box please ensure that the information **\*.wits.ac.za; 146.141.\*** is inserted to ensure that the proxy server is bypassed for browsing local addresses

Click **OK** 3 times to return to desktop, thus successfully configuring the Internet Explorer browser successfully for the Wits network.

**This concludes this procedure guide of enabling Windows Vista clients to be able to connect to the Wits University wireless network without a VPN client.**

## 4. Acceptance

This procedure was written by Hanish Patel and is the property of the University of the Witwatersrand

Author: Hanish Patel	Approved by:
Position: Team Leader, Senior Systems Engineer for the SOE	Position:
Signature:	Signature:
Date: 27 March 2009	Date: