

NMMU Wireless Network Profile Configuration Guidelines 1

Revision:

Date: 3 October 2011

Configuration for Microsoft Windows 7 Enterprise Edition

Manually Creating a Wireless Network Profile

- 1. Click Start -> Control Panel -> Network and Internet -> Network and Sharing Centre.
- 2. Click on Manage wireless networks.
- 3. Click on the Add button.
- 4. Select Manually create network profile.

) 📶 Manu	ually connect to a wireless network	
How do	o you want to add a network?	
*	Manually create a network profile This creates a new network profile or locates an existing network and saves a profile for the network on your computer. You need to know the network name (SSID) and security key (if applicable).	
4	Create an ad hoc network This creates a temporary network for sharing files or an Internet connection	
		Cancel



5. Enter the network name e.g. NMMU_Staff, NMMU_Student, eduroam (this name is cAsE sEnSiTiVe!), select WPA2-Enterprise as security type, and select AES as encryption type. Start this connection automatically should be *unticked*. Click Next to continue.

Enter information	for the wireless network	cyou want to add
Network name:	NMMU_Student	
Security type:	WPA2-Enterprise	•
Encryption type:	AES	*
Security Key:		Hide characters
Start this conne	ction automatically	
Connect even if	the network is not broadcasting	
Warning: If you	select this option, your compute	er's privacy might be at risk.

The following limitations apply when setting up/connecting to an NMMU wireless network:

- NMMU_Staff: Only NMMU staff members can connect to this wireless network
- NMMU_Student: Only NMMU students can connect to this wireless network
- eduroam: Any NMMU user, or any user from an eduroam affiliated institution, can connect to this wireless network.

When prompted for a username and a password, please use the following format:

- Username: username@nmmu.ac.za (<u>e.g.s222212345@nmmu.ac.za</u> or user123@nmmu.ac.za)
- Password: Your "normal" NMMU domain password.

The abovementioned username **is not** necessarily your e-mail address. It is merely the format required to identify you as an NMMU registered user and is used for authentication purposes only.

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6. Click Change connection settings.





7. Click on the **Security** tab, and then click on the **Settings** button next to **Microsoft: Protected EAP (PEAP)**.

onnection Security		
Security type:	WPA2-Enterprise	
Encryption type:	AES	•
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Remember my a time I'm logged o	redentials for this connection	on each
Remember my a time I'm logged o Advanced settin	redentials for this connection	on each



8. Ensure that the **Validate server certificate** checkbox is *unticked*, and click **OK** to close the PEAP settings dialog.

ien connecti	ng:			
Validate s	erver certificate			
Connect	to these servers:			
Trusted Roo	t Certification Auth	orities:		
AAA Cer	rtificate Services			
AddTrus	t External CA Roo			
Baltimor	e CyberTrust Root			
Class 21	Public Primary Cert	fication Authority	6	
Class 31	Public Primary Cert	fication Authority	6	
Class 31	Public Primary Cert	fication Authority		
COMOD	O Certification Aut	hority		-
4		1		
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ect Authent	on authorities. ication Method: vord (EAP-MSCHAF	9 v2)	• 0	onfigure.
ect Authent cured passi	on authorities. ication Method: word (EAP-MSCHA) : Reconnect	9 v2)	• 0	onfigure.
ect Authent ecured passi Enable Fast	on authorities. ication Method: vord (EAP-MSCHA) Reconnect twork Access Prote	9 v2)	• c	onfigure.
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ect Authenti ecured passi Enable Fast Enforce Net Disconnect Enable Ider	ication Method: vord (EAP-MSCHA) Reconnect twork Access Prote if server does not rity Privacy	9 v2) ction present cryptobin	C c	onfigure.
ect Authenti ecured passi Enable Fast Enforce Net Disconnect Enable Iden	on authorities. ication Method: word (EAP-MSCHAP Reconnect twork Access Prote if server does not if y Privacy	e v2) ction present cryptobin	• C	onfigure.

9. Optional: If your PC is part of the NMMU domain, your Windows logon name and password will be used by default for authentication. <u>If you do not want to use these credentials</u>, click on the **Configure** button next to **Secured password (EAP-MSCHAP v2)**, and *untick* the **Automatically use my Windows logon name and password (and domain if any)** check box.



Click OK to close the EAP MSCHAPv2 Properties dialog.

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- 10. Click ${\bf OK}$ again to close the Wireless Network Properties.
- 11. Click **Close** to finish the wireless network setup.

If you have followed these steps, and you still have problems, please call the ICT Services Helpdesk at ext. **3000** (Mon - Fri, 07:30 - 16:30).