TNCC secure Wireless Network Connection Procedures For **Windows 7** (and Vista)

How to configure Windows Vista and Windows 7 with IEEE 802.1x Authentication

If your connection to Employee-TNCC or Student-TNCC fails and you receive a message like the one below, follow these instructions to successfully connect to the TNCC encrypted wireless network.



NOTE: Manufacturers' adapters are often bundled with management software. If you have problems connecting to TNCC's 802.1x wireless network try disabling this software and use Microsoft's built-in configuration tool instead. If you are still having problems after following these instructions, you will need to update your wireless network card drivers.

1. Right-click on the wireless network icon in the taskbar (bottom right on the desktop). Select "*Open Network and Sharing Center*". (Alternatively, you can go to Control Panel then *View network status and tasks* under *Network and Internet*.)



2. In the window that appears, select "Set up a new connection or network".

Control Panel Home	View your basic network information	and set up connections
Manage wireless networks	🔍 —×— 🧉	See full map
Change adapter settings	E6410DRH Inten	net
Change advanced sharing settings	(This computer) View your active networks You are currently networks	Connect to a network
	Change your networking settings	
	Set up a wireless, broadband, dial-up, a	d hoc, or VPN connection; or set up a router or access point.
	🙀 Connect to a network	
	Connect or reconnect to a wireless, wire	d, dial-up, or VPN network connection.
	Choose homegroup and sharing option	5
	Access files and printers located on oth	as network computers, or change sharing settings

3. Select "*Manually connect to a wireless network*" and then Next.

💐 Set Up a Connection or Network	
🕝 😤 Set Up a Connection or Network	
Choose a connection option	
Connect to the Internet Set up a wireless, broadband, or dial-up connection to the Internet.	
Set up a new network Configure a new router or access point.	
Manually connect to a wireless network Connect to a hidden network or create a new wireless profile.	
Connect to a workplace	

- 4. Enter information for the wireless network you want to add:
 - a. Network

a.	Network name:		<u> </u>	
	Employee-TNCC for employees	Manually connect to a wireless network		
		Enter information for the wireless network you want to add		
	students	N <u>e</u> twork name:		
	(Must be type exactly as	Security type:		
	shown, including <u>case-</u> <u>sensitivity</u>)	Enc <u>r</u> yption type:		
b.	Security Type: WPA2-	Se <u>c</u> urity Key:		
	Enterprise	✓ Start this connection automatically		
		Connect even if the network is not broadcasting		
c.	Click <i>Next</i> .	Warning: If you select this option, your computer's privacy might be at risk.		
		C Next Cancel		

5. Click "Change connection settings".



8. EAP MSCHAPv2 Properties

For personal devices, **uncheck** "Automatically use my Windows logon name and password".

TNCC domain computers connecting to Employee-TNCC can have this **checked**.

Select *OK* to close the *EAP MSChapv2* window and **OK** again for the *Protected EAP Properties*.

9. Select Advanced Settings.

Student-TNCC Wireless	Network Properties	×				
Connection Security						
Security type:	WPA2-Enterprise 💌					
Encryption type:	AES					
Choose a network au	thentication method:					
Microsoft: Protected	EAP (PEAP)					
Remember my credentials for this connection each time I'm logged on						
Advanced settings	Advanced settings					
	ОК Са	ncel				



- a. Check the "Specify Authentication Mode" box.
- b. Select "User or computer authentication".
- c. Click OK.



802.	1X settings 802.11 settings
a	Specify authentication mode:
b	User or computer authentication Save credentials
	Delete credentials for all users
	Enable single sign on for this network
	Perform immediately before user logon
	Perform immediately after user logon
	Maximum delay (seconds): 10
	Allow additional dialogs to be displayed during single sign on
	This network uses separate virtual LANs for machine and user authentication

11. On the Wireless Network Properties window, select OK.

Student-TNCC Wireless Network Properties					
Connection Security					
S <u>e</u> curity type:	WPA2-Enterprise				
Encryption type:	AES 🔹				
Choose a network aut	hentication method:				
Microsoft: Protected	EAP (PEAP)				
Advanced settings					
	OK Cancel				

12. Select *Close* on the "Successfully added Student-TNCC" network dialog.



TO LOG IN:

- 1. Click on the Wireless icon in the taskbar (bottom right on the Desktop).
- 2. Choose 'Student-TNCC' and click Connect.



3. If you receive the following Security Alert select Connect.



- 4. If prompted enter your username and associated password.
 - a. Employees: use your Network login & Password
 - b. Students: use your MyTNCC login & Password
 - c. Click OK to connect

Windows Security	/			X
Network Au Please enter us	uthentication er credentials			
	User name Password	a b		
		С	ОК	Cancel