In skills demonstration the learner will demonstrate an ability to configure a

wireless network router implementing appropriate security features. In addition the

learner will connect to the network using a mobile device and demonstrate the steps

required to manage mobile devices and systems by installing Apps or performing

software updates.

Please complete the following:

Set up the following in Packet Tracer:

1. Install a WR300N Wireless router, Install a SmartPhone, a Wireless Tablet

and a Laptop.

2. Enable and configure DHCP on Wireless router.

3. Change the IP pool for DHCP to be 192.168.0.54 to 192.168.0.60

4. Configure the SSID name to be “SkillsDemo..” and add your own initials.

5. Secure the network by configuring WPA - Personal key.

6. Select Encryption key TKIP with passphrase “Brennan22 ”

7. Change the Router password to be “CyberSecurity24”.

8. Setup Mac address filtering for the devices you are installing on your wireless network.

9. Show that the Topology is working on Infrastructure mode.

10. Demonstrate that you have made a connection with all the devices.

11. Demonstrate that there is a two way communication between all the devices by using the Command Prompt