



Computer Systems Servicing NC II

ELECTRONIC SECTOR

Core Competencies

COC1: Install & Configure Computer Systems

COC2: Set-up Computer Networks

COC3: Set-up Computer Servers

COC4: Maintain & Repair Computer Systems & Networks

COC1: Install & Configure Computer Systems

Specific Instructions:

- Disassembly and Assembly of Computer Systems
 - Disassemble Computer System
 - Inventory of Computer Components
 - Assemble Computer System
 - Bios Setup
- Create Bootable Flash disk drive
 - Using Rufus application (win7.iso)
- Install Computer Software
 - Windows 7 Operating System
 - Computer Drivers



COC1: Install & Configure Computer Systems

Specific Instructions:

- Install Computer Applications
 - MS Office
 - Anti-Virus
- Testing Computer
 - Device Manager
 - Applications
 - Disk Management



COC2: Set-up Computer Networks

Specific Instructions:

- Network Cabling/Splicing
 - Crimp Straight-Through Cable
 - Crimp Cross-over Cable
 - Splice and Punch Patch Panel – Modular Box

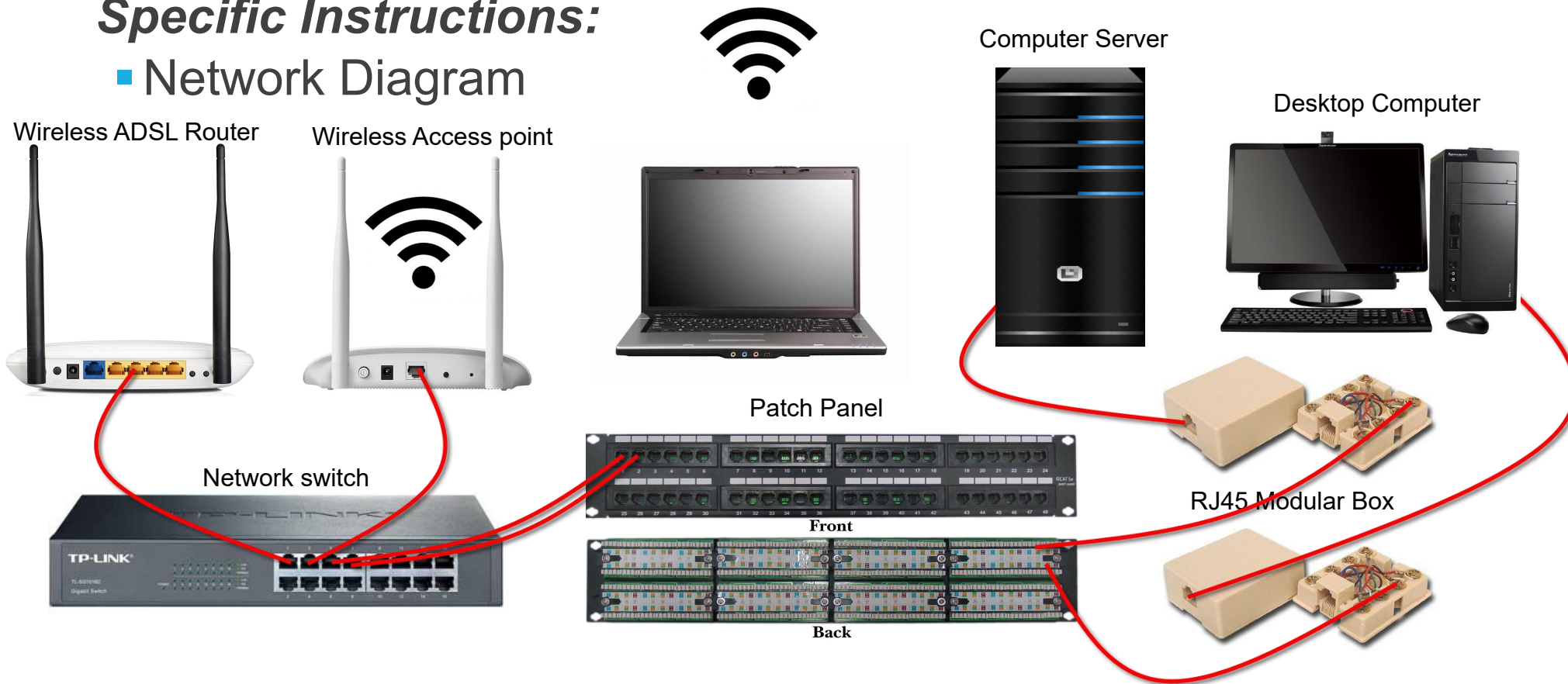




COC2: Set-up Computer Networks

Specific Instructions:

■ Network Diagram



COC2: Set-up Computer Networks

Specific Instructions:

- Wireless Network Configurations
 - Configure Wireless Router
 - Wireless Name
 - Wireless Password
 - IP Address (192.168.X.254)
 - DHCP Server (192.168.X.1 – 192.168.X.100)
 - Static Assignment
 - Desktop Server (192.168.X.1)
 - Desktop Client (192.168.X.2)
 - Laptop Client (192.168.X.3)



COC2: Set-up Computer Networks

Specific Instructions:

- Wireless Network Configurations
 - Configure Wireless Accesspoint
 - Wireless Name
 - Wireless Password
 - IP Address (192.168.X.254)
 - Connect Wireless Device (Laptop Client)



COC2: Set-up Computer Networks

Specific Instructions:

- Peer to Peer Network
 - Configure Computer Names & Work Groups
 - Network files Sharing
- Network Testing
 - Ipconfig
 - Ping
 - Net View / View Workgroup
 - File Transfer



COC3: Set-up Computer Servers

Specific Instructions:

- Install and Configure Windows Server 2008
 - ADDS (Active Directory Domain Services)
 - Create User Accounts
 - User1: Assessor's Name
 - User2: Candidates Name
 - Network Mapping
 - User1: Drive (Z)
 - User2: Drive (X)
 - DNS Server (Domain Name System)
 - FQDN (Fully Qualified Domain Name) = Tesda.org



COC3: Set-up Computer Servers

Specific Instructions:

- Install and Configure Windows Server 2008
 - DHCP (Dynamic Host Configuration Protocols)
 - Create Scope / IP Range
 - 192.168.X.1 – 192.168.X.100
 - Remote Desktop
 - File Server
 - Folder Redirection
 - Desktop
 - Documents
 - Printer Deployment
 - Group Policy



COC4: Maintain & Repair Computer Systems & Networks

Specific Instructions:

- Install and Configure Windows Server 2008
 - System Restore
 - Image Backup

