Assessment Requirements for ICTNWK542 Install, operate and troubleshoot medium enterprise routers

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- configure, install, manage and troubleshoot on medium enterprise routers on at least two occasions.

In the course of the above, the candidate must:

- apply network topologies, routing and security protocols.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- industry standard routing concepts for medium enterprise network switches and routers
- classless routing protocols, including:
    - open shortest path first (OSPF)
    - routing information protocol (RIPv2)
- debug commands
- internet protocol version 4 (IPv4)
- purpose and basic operation of protocols in the open system interconnection (OSI) and transmission control protocol and internet protocol (TCP/IP) models
- router command line interface (CLI) configuration.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site where network installation may be conducted
- small enterprise routers and switches
- network's design documentation
- equipment specifications
- hardware and software required to install and operate small enterprise branch networks
- end user device
- policies and procedures pertaining to the installation and operation of a routers.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2