



Australian Government

Assessment Requirements for ICTNPL603 Undertake network performance analysis

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 2.0.

Performance Evidence

Evidence of ability to:

- interpret current network performance data accurately
- monitor integrity of the network
- manage delivery of quality service efficiently
- conduct accurate performance tests using appropriate performance analysis tools
- analyse problems and organise repair applying escalation procedures, if required, within service assurance guidelines
- coordinate upgrade of software and hardware efficiently.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain the process for cost estimation
- outline the following aspects of customer interaction:
 - customer policies
 - expectancies
 - service level agreements
- explain the following features of the network:
 - alarms
 - compatibility and interoperability
 - operations
 - performance analysis methodologies
 - performance analysis tools

- performance tests
- planning and design principles
- explain protocols providing QoS
- describe QoS standard levels
- describe software and hardware upgrades
- outline the following technologies and architectures:
 - switching network
 - transmission network
- describe technologies for the customer network.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the Telecommunications – Network Planning field of work and include access to:

- a site where network performance analysis may be conducted
- data from organisations involved in planning initiatives
- a range of current software
- relevant regulations
- specifications that impact service measures
- forecasting activities.

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 guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>