



Australian Government

Assessment Requirements for ICTTEN614 Conduct network system optimisation and administration

Release: 1

Assessment Requirements for ICTTEN614 Conduct network system optimisation and administration

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 7.0.

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:

- conduct optimisation and administration activities for at least two network systems.

In the course of the above, the candidate must:

- prepare methodologies for system maintenance
- produce cost-benefit analyses and training for database optimisation and administration
- review development of training instructions
- conduct system measurements
- develop support processes for system users
- manage user accounts and security procedures
- investigate potential system administration problems and make recommendations.

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:

- required legislation, codes, company work practices, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- methodologies for database system administration and optimisation
- cost-benefit analysis of database optimisation schedules
- return on investment (ROI) calculations
- producing training and related instructions
- functions and features of:
 - back-up systems
 - computer systems
 - error logs

- database checks
- system loading
- user support networks
- hierarchical user profiling systems
- user account security
- profiling systems
- network monitoring tools
- activity plans
- workplace reports
- methods to calculate ageing time on processes
- processes for investigating user requests and actions.

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 network for maintenance and analysis of special investigations
- equipment and systems manuals, specifications and enterprise policy.

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>