



Australian Government

Assessment Requirements for ICTSAS437 Optimise ICT system performance

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:

- optimise the performance of two different ICT systems, on separate occasions.

In the course of the above, the candidate must:

- collect usage and time conditions and analyse ICT system data and performance
- identify and document areas of poor ICT system performance
- identify options to improve performance and determine required technical resources
- access required technical resources
- create optimisation implementation plan to improve performance and submit to required personnel for approval and feedback, including:
 - disruption minimisation plan
 - project budget
 - staff availability
- create ICT system report, including:
 - cost analysis
 - identified improvements
 - alternate options
- develop plan for implementing approved optimisation
- modify and tune ICT system to ensure system balance and performance
- record changes in performance.

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:

- report development including:

- cost analysis
- identified options for alternative courses of action designed to measurably improve ICT system performance
- business scheduling requirements, including the role of stakeholders and the degree of stakeholder involvement
- industry standard hardware and software monitoring tools and the information produced from monitoring
- optimum system performance, change-control procedures and theoretical concepts
- change management tools that may be used in optimising ICT system performance
- quality assurance practices with regard to proposed changes of ICT systems
- ICT system functionality and performance indicators
- ICT system performance improvement and optimisation strategies
- features and functions of ICT system under modification.

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:

- tools, equipment and materials required to optimise ICT systems
- industry software packages, including:
 - system components
 - software for performance tuning
 - technical manuals and resources
 - fault logs
 - diagnostic tools.

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>