



**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>