



**Australian Government**

# **Assessment Requirements for ICTPRG415**

## **Apply skills in object-oriented design**

**Release: 2**

# Assessment Requirements for ICTPRG415 Apply skills in object-oriented design

## Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0.
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

## 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:

- produce an object-oriented design from requirements, documents or system specifications, including:
  - static class diagrams
  - collaboration or sequence diagrams
  - activity or state diagrams
- refine the design
- document the design.

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

## 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:

- design quality metrics such as coupling and cohesion
- design refinement techniques
- programming design principles
- different programming methodologies
- developmental life cycle options.

## 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:

- system specifications
- requirement documents
- design specifications
- detailed design.

Assessors must satisfy NVR/AQTF assessor requirements.

## Links

Companion Volume Implementation Guides are available from VETNet -

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