



Australian Government

Assessment Requirements for ICTPRG441

Apply skills in object-oriented design

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:

- produce one object-oriented design from requirements, documents and system specifications, which includes:
 - static class diagrams
 - communication and sequence diagrams
 - activity and state diagrams
 - diagrams mentioned above using unified modelling language (UML)
 - refining class design
 - documentation of design.

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, refinement techniques and programming design principles that may be used for applying skills in object-oriented design
- unified modelling language
- different programming methodologies, documentation techniques and development methodologies that may be used for applying skills in object-oriented design.

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:

- programming design software, tools and licenses
- required hardware and its components

- system specifications
- requirement documents
- design specifications.

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>