



Australian Government

Assessment Requirements for ICTPRG509 Build using rapid application development

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 1.0.

Performance Evidence

Evidence of the ability to:

- design an application and develop high quality code, according to client specifications
- provide quality assurance testing and monitoring
- effectively demonstrate use of code optimisers using rapid application development (RAD) techniques
- accurately document completed work.

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

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline industry-accepted prototyping tools
- describe quality assurance practices as they relate to RAD
- describe the impact that the client business domain will have on RAD in particular there effect on:
 - cost
 - quality
- outline the role of the stakeholder, and the involvement required in RAD
- describe three or more current industry development methodologies
- identify and apply three or more programming languages
- identify and apply the most appropriate RAD tool, taking into consideration the targeted platform or multi-platform options.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the programming and software development industry, and include access to:

- the computer-aided software engineering tools (CASE) repository, to facilitate the re-use of templates and components
- CASE tools
- a code generator
- detailed user requirements
- prototyping software
- the requirements document, including the model and scope
- the appropriate learning and assessment support, when required.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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