



Australian Government

Assessment Requirements for ICTPRG520

Validate an application design against specifications

Release: 1

Assessment Requirements for ICTPRG520 Validate an application design against specifications

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:

- interpret and check software requirement specifications documents
- use rapid application development (RAD) tools to create and present a validated proof of concept prototype
- validate the software design, source code and testing requirements and document the results
- report on results of validation, including recommended actions.

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:

- explain the database design and implementation
- describe business and technical modelling using UML tools at intermediate level
- outline current software development methodologies
- describe, in detail, the system development life cycle (SDLC)
- explain object-oriented programming
- describe open-source development tools
- describe software-testing techniques.

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:

- tools to create prototype systems
- static analysis tools
- test plan and test cases.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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