



Australian Government

Assessment Requirements for ICTPRG506 Design application architecture

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 layered applications to increase application performance, scalability and re-usability
- create flexible and configurable applications, and adapt these to suit different locales
- adapt a software product to a particular language, and culture, of the target market.

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 the principles of database design
- outline current software development methodologies
- explain object-oriented programming and its role in application architecture
- describe the software development life cycle.

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:

- both functional and non-functional requirements
- the tools to design software architecture
- specific information for the target culture, or language
- 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.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>