Australian Government

Assessment Requirements for ICTPRG417 Apply mathematical techniques for software development

Release: 1

Assessment Requirements for ICTPRG417 Apply mathematical techniques for software development

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:

- solve and evaluate mathematical problems
- use mathematical formulae in standard and computer notation
- simplify and evaluate Boolean expressions and formulae
- manipulate binary, decimal and hexadecimal number systems.

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 Boolean algebra
- explain number types
- explain binary memory storage
- explain the application of mathematical terms and operations in computing
- explain the calculation tools available.

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 programming language.

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