



Australian Government

Assessment Requirements for ICTPRG440 Apply introductory programming skills in different languages

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:

- create, maintain and update at least one program using coding activities, basic language syntax and layout.

In the course of the above, the candidate must:

- write code using at least two data structures and at least two standard algorithms according to organisational guidelines
- debug at least one program written above using debugging tools provided by integrated development environment (IDE)
- document activities undertaken in at least one program developed above according to organisational guidelines and coding standards
- test program created above and confirm specifications are met
- record results for tests performed above, according to organisational guidelines.

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:

- language syntax rules
- organisational procedures and guidelines that may be used to apply introductory programming skills in different languages
- coding techniques and standards
- documentation techniques that may be used to document programming activities
- application development processes, debugging methodologies, testing techniques and basic data structures guidelines that may be used to apply introductory programming skills in different languages.

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:

- integrated development environment (IDE) for determined language
- specific tools and licences, depending on particular platform and language.

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>