



Australian Government

Assessment Requirements for ICTPRG429 Maintain open-source code programs

Release: 1

Assessment Requirements for ICTPRG429 Maintain open-source code programs

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:

- install and run at least one open source code program according to organisational procedures.

In the course of the above, the candidate must:

- participate in at least one online open source code program community
- document program source code changes and additions
- build, modify and test code
- identify and resolve at least one bug
- test and confirm bug is fixed.

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:

- industry standard software development models and tools
- open source licensing models and techniques
- debugging and testing techniques
- documentation techniques, including internal documentation, user guides and technical documentation
- open-source development methodology
- available online resources that may be used to maintain open-source code programs
- existing online project communities and their involvement in maintaining source codes.

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:

- open source code projects and programming languages
- the internet.

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>