



Australian Government

ICTPRG515 Review developed software

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.

Application

This unit describes the skills and knowledge required to review developed software in relation to quality standards. This involves reviewing quality standards, determining development quality issues, and closely reviewing specific quality areas.

It applies to individuals who are senior programmers who ensure the quality of software produced by others.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Programming and software development

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Review the quality standards	1.1 Review the organisation's quality standards, and the standards related to software development, and prepare them for use 1.2 Contact the appropriate person to discuss their involvement in the review, and establish their role 1.3 Determine and document the approach to be used to validate quality during the review
2. Determine development quality issues	2.1 Examine and document processes that have a significant impact on the quality of a particular product under development 2.2 Hold discussions on quality issues with the development staff

ELEMENT	PERFORMANCE CRITERIA
	and establish agreed actions 2.3 Allocate responsibilities to the development staff 2.4 Obtain agreement from the appropriate person on the procedures to ensure quality of development, where necessary
3. Review the specific quality areas	3.1 Review plans to ensure that they are adequate to control the quality of the development process 3.2 Review testing processes, to ensure that defect-free software will be developed 3.3 Examine documentation and methods for development, to ensure that the software will be supportable 3.4 Monitor the requirements to ensure that client needs are met

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1	Interprets, and critically analyses, complex texts and applies appropriate strategies, to construct meaning from the organisation's quality standards and the standards related to software development
Writing	1.3, 2.1	Displays a knowledge of structure and layout, employing a broad vocabulary, grammatical structure and the conventions appropriate to text, when documenting the validation approach, and the processes, that have an impact on quality
Oral communication	1.1, 1.2	Demonstrates flexibility in spoken texts by choosing appropriate structures and strategies in a range of contexts, and applies appropriate strategies, to extract the main ideas from oral texts
Navigate the world of work	2.4	Recognises and responds to both, explicit and implicit, protocols within familiar work contexts and appreciates the importance of identifying, and responding to, protocols in new situations, in the context of gaining agreement on procedures
Interact with	2.2	Uses active listening, observational and questioning techniques in order to identify different perspectives,

others		and confirm, clarify or revise understanding • Collaborates with others to achieve joint outcomes, playing an active role in facilitating effective group interaction, influencing direction, and taking a leadership role on occasion
Get the work done	All	• Sequences and schedules complex activities, monitors implementation, and manages relevant communication • Uses systematic, analytical processes in complex, non-routine situations, setting goals, gathering relevant information, and identifying, and evaluating options against the agreed criteria • Uses analytical processes to decide on a course of action, establishing the criteria for deciding between options, and seeking input and advice from others, before taking action when necessary • Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTPRG515 Review developed software	ICAPRG515A Review developed software	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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