



Australian Government

CUADES511 Implement design solutions

Release: 1

CUADES511 Implement design solutions

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to take a design concept or solution to the implementation stage. It involves confirming the proposed solution, gathering resources required to implement the solution, testing the solution and developing a prototype, and presenting the prototype to required personnel.

The unit applies to those who work as a designer, in any industry context, either independently or employed by an organisation.

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

Unit Sector

Design – Design Process

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. Organise resources for realising the design solution	1.1 Confirm nature and scope of the proposed design solution 1.2 Research resources required for developing the design concept to implementation stage 1.3 Investigate different factors impacting the selection and use of resources 1.4 Select and prepare resources based on research and other legislative or organisational requirements
2. Test the design solution	2.1 Experiment with the design solution using different techniques and processes 2.2 Evaluate, challenge and refine testing processes 2.3 Gain input and feedback from required personnel during

ELEMENT	PERFORMANCE CRITERIA
	testing 2.4 Document outcomes of testing according to organisational and design solution requirements 2.5 Select final design solution based on outcomes of testing and input from others
3. Develop prototype	3.1 Create prototype based on agreed approaches 3.2 Select and organise materials, tools and equipment according to chosen design solution as required 3.3 Expose model to quality checks and ongoing analysis, enhancement and refinement 3.4 Compare completed prototype against identified needs and other considerations and make adjustments as required
4. Present prototype or model	4.1 Identify required personnel design should be presented to 4.2 Select format for presentation based on nature of audience and design 4.3 Present prototype and optimise clarity, conciseness and appeal

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	Researches and interprets textual information from different sources
Writing	Documents research, resource requirements and testing outcomes using applicable language and formats
Oral Communication	- Participates in different verbal exchanges and presentations using tone and vocabulary to suit audience - Gains input and feedback using active listening and questioning techniques
Numeracy	- Interprets and applies numeric information applicable to design solution - Compares numerical data gathered from testing
Self-management	Understands and adheres to organisational policies, procedures and legislative requirements during planning and implementation of design solution
Teamwork	Takes audience, purpose and contextual factors into account when

SKILL	DESCRIPTION
	making decisions about what to communicate, with whom, why and how
Planning and organising	Sequences and schedules routine and complex activities, monitors implementation, and manages required communication
Initiative and enterprise	- Makes different critical and non-critical decisions in relatively complex situations, taking client requirements and different into account - Creates new and innovative ideas through exploration, analysis and critical thinking
Problem-solving	Applies formal problem-solving processes when responding to unpredictable issues and challenges that arise during the testing process

Unit Mapping Information

Supersedes and is equivalent to BSBDES501 Implement design solutions.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>