



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>

Assessment Requirements for CUADES511 Implement design solutions

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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:

- implement solutions according to at least two different designs.

In the course of the above, the candidate must:

- undertake critical analysis, testing and development of a prototype or aspect of a design solution to meet an identified need
- present prototype to required personnel using applicable best practice methods.

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:

- elements and principles of design and their application in the applicable design context
- key features of the wider industry, with economic, social and historical context for the design solution
- design trends and technologies including other designs and the work of other design practitioners in the applicable design context
- sources of information that support the development of technical and other knowledge in the applicable design context
- technical expertise, resources, materials, tools, equipment, techniques and industry processes required for the area the design solutions are being implemented in.

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:

- other people to discuss the collaborative nature of the design process
- resources required to test a design solution in a given industry context including materials, tools, equipment and expertise.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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