



Australian Government

BSBDES501 Implement design solutions

Release: 1

BSBDES501 Implement design solutions

Modification History

Release	Comments
Release 1	This version first released with BSB Business Services Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to take a design concept or solution to the implementation stage. The outcome of work could be a completed product, object, system or service, but is more likely to be a complete or partial prototype or model for the design. The focus of the unit is on a general knowledge of design techniques and processes, and practical application to a specific design context.

It applies to individuals who implement concepts and solutions in response to a design challenge in any industry context.

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 the 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 a range of different techniques and processes

ELEMENT	PERFORMANCE CRITERIA
	to test the design solution 2.2 Evaluate, challenge and refine testing processes 2.3 Gain input and feedback from key stakeholders during testing 2.4 Accurately document outcomes of testing 2.5 Select final design solution based on outcomes of testing and input from others
3 Develop prototype or model	3.1 Create prototype or model based on agreed approaches 3.2 Select and organise materials, tools and equipment, where appropriate, according to chosen design solution 3.3 Expose model or prototype to quality checks and ongoing analysis, enhancement and refinement 3.4 Compare completed prototype or model against identified needs and other considerations and make adjustments as required
4 Present prototype or model	4.1 Identify key stakeholders design should be presented to 4.2 Select appropriate format for presentation based on nature of audience and design 4.3 Present prototype or model to optimise clarity, conciseness and appeal

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	1.1-1.4, 3.4	Researches and accurately interprets textual information from a wide range of sources
Writing	1.2, 1.3, 2.3, 2.4, 3.4, 4.3	Documents research, resource requirements and testing outcomes using appropriate language and formats
Oral Communication	1.1, 2.3, 4.3	- Participates in a range of verbal exchanges and presentations using appropriate tone and vocabulary to suit audience - Uses active listening and questioning techniques to gain input and feedback

Numeracy	1.1-1.3, 2.4, 2.5	- Interprets and applies numeric information relevant to design solution - Compares numerical data gathered from testing
Navigate the world of work	1.4	Understands and adheres to organisational policies, procedures and legislative requirements during planning and implementation of design solution
Interact with others	4.3	Recognises importance of taking audience, purpose and contextual factors into account when making decisions about what to communicate, with whom, why and how
Get the work done	1.1-1.4, 2.1, 2.2, 2.5, 3.1-3.4, 4.1, 4.2	- Sequences and schedules routine and complex activities, monitors implementation, and manages relevant communication - Applies formal problem-solving processes when responding to unpredictable issues and challenges that arise during the testing process - Makes a range of critical and non-critical decisions in relatively complex situations, taking client requirements and range of constraints into account - Creates new or innovative ideas through exploration, analysis and critical thinking

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
BSBDES501 Implement design solutions	BSBDES501A Implement design solutions	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=11ef6853-ceed-4ba7-9d87-4da407e23c10>

Assessment Requirements for BSBDES501 Implement design solutions

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Performance Evidence

Evidence of the ability to:

- undertake critical analysis, testing and development of a model, prototype or aspect of a design solution to meet an identified need
- present model to key stakeholders using the most appropriate best practice methods.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

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

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in the design process field of work and include access to:

- other people to reflect 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 must satisfy NVR/AQTF assessor requirements.

Links

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