



Australian Government

CUAACD303 Produce technical drawings

Release: 1

CUAACD303 Produce technical drawings

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Application

This unit describes the skills and knowledge required to apply a range of techniques to produce technical drawings that meet required standards and conventions.

It applies to individuals who use technical drawings in various contexts.

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

Unit Sector

Visual communication – art, craft and design

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. Prepare for technical drawing work	1.1 Clarify drawing requirements by referring to project documentation and consulting with appropriate people 1.2 Identify factors that may impact on technical drawing work 1.3 Select techniques to fit the purpose of the drawings 1.4 Prepare equipment and materials according to workplace procedures and safety requirements
2. Create technical drawings	2.1 Apply appropriate conventions and standards to technical drawings 2.2 Prepare and review preliminary drawings in consultation with relevant people and confirm required amendments 2.3 Produce technical drawings that are consistent with concept and purpose of drawings

ELEMENT	PERFORMANCE CRITERIA
	2.4 Finalise and submit technical drawings within agreed timeframes

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, 1.2	Interprets project documentation and other relevant information to identify drawing requirements and constraints
Oral Communication	1.1, 2.2	Uses questioning and careful listening to elicit information and opinions from others
Numeracy	2.1, 2.3	Interprets numerical and spatial concepts related to drawing standards and conventions
Navigate the world of work	1.2, 1.4	Takes responsibility for following workplace procedures and safety requirements and recognises potential legal, ethical and contractual constraints when planning and undertaking work
Interact with others	1.1, 2.2	Participates in review of work progress with relevant people
Get the work done	1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4	- Plans tasks in a logical sequence and manages time to complete final drawings within established timeframes - Selects techniques appropriate to the drawing purpose and concept - Ensures drawings comply with correct standards and conventions - Prepares preliminary drawings for evaluation by others and makes recommended adjustments

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

Code and title current version	Code and title previous version	Comments	Equivalence status
CUAACD303 Produce technical drawings	CUVACD303A Produce technical drawings	Updated to meet Standards for Training Packages and clarify intent.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>

Assessment Requirements for CUAACD303 Produce technical drawings

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Performance Evidence

Evidence of the ability to:

- produce technical drawings which:
 - show a command of selected techniques
 - adhere to technical drawing standards and conventions
 - satisfy specified drawing purposes and concepts
- follow workplace procedures and safety requirements
- use feedback from others to refine and produce final drawings
- meet deadlines.

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:

- describe physical properties and capabilities of the range of materials, tools and equipment used for technical drawing work
- explain technical drawing techniques and their application to a range of contexts and subject matter
- explain current standards and conventions for technical drawing
- describe work health and safety requirements for preparation of technical drawing materials and equipment.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in creative arts industry environments. The assessment environment must include access to:

- equipment and materials required to produce technical drawings
- documented technical drawing requirements
- workplace documentation
- relevant people.

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

Links

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