



Australian Government

CUAACD313 Produce technical drawings

Release: 1

CUAACD313 Produce technical drawings

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 apply different techniques to produce technical drawings that meet required standards and conventions. It involves planning and preparing for technical drawing activities, creating technical drawings and finalising them according to project requirements.

The unit applies to those who use technical drawings in different contexts to meet project requirements

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. Plan and prepare for technical drawing work	1.1 Identify drawing requirements with reference to project documentation in consultation with required personnel 1.2 Identify factors that may impact on technical drawing work 1.3 Select techniques to fit the purpose of drawings 1.4 Prepare equipment and materials according to workplace procedures and safety requirements
2. Create technical drawings	2.1 Produce and review preliminary drawings according to drawing requirements 2.2 Apply applicable conventions and standards to technical drawings 2.3 Discuss drawings with required personnel and confirm

ELEMENT	PERFORMANCE CRITERIA
	required amendments 2.4 Amend drawings according to drawing requirements
3. Finalise technical drawings	3.1 Check drawings against project objectives and drawing requirements according to organisational procedures 3.2 Finalise and submit technical drawings within agreed timeframes

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	Interprets project documentation and other applicable information when identifying drawing requirements and constraints
Oral Communication	Elicits information and opinions from others using questioning and careful listening
Numeracy	Interprets numerical and spatial concepts related to drawing standards and conventions
Self-management	Takes responsibility for following workplace procedures and safety requirements when planning and undertaking work
Teamwork	Participates in review of work progress with required personnel
Planning and organising	Plans tasks in a logical sequence and manages time to complete final drawings within established timeframes

Unit Mapping Information

Supersedes and is equivalent to CUAACD303 Produce technical drawings.

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 CUAACD313 Produce technical drawings

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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:

- produce technical drawings according to at least three different project requirements.

In the course of the above, the candidate must:

- 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.

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:

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

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:

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

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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