



Australian Government

FWPCOT3307 Create drawings using computer aided design software

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to produce various types of drawings using computer aided design software. It includes producing plans, diagrams, component details and linked materials lists.

The unit applies to timber truss or frame fabricators and engineered timber product technicians who create drawings of timber and wood products and who take responsibility for organising and completing these tasks with a high degree of self-direction.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	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 drawing	1.1 Determine job requirements from work order or fabrication plans and, where required, confirm with appropriate person 1.2 Identify types of drawings in set to be created with design software according to intended use 1.3 Select appropriate equipment, and check for operational

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	effectiveness 1.4 Plan use of computer aided design software according to workplace procedures
2. Set up software	2.1 Identify software features that will best generate the required drawing outcomes 2.2 Customise design software variables, menus, drawing defaults and macros to suit production outcomes 2.3 Identify and apply basic drawing elements
3. Create 2D drawings	3.1 Create drawings using full capability of available software 3.2 Link drawing entities to database attributes to suit production outcomes 3.3 Create detailed views using various scales 3.4 Save files in various formats according to workplace procedures 3.5 Format linked drawing entities as material lists according to production requirements 3.6 Extract supplementary product dimension data from drawings 3.7 Record and report drawing process and equipment faults to appropriate person

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret, analyse and comprehend design software program text, symbols and abbreviations to apply relevant information to drawings

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3307 Create drawings using computer aided design software	FWPCOT3239 Create drawings using computer aided design systems	Application clarified Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>