Australian Government

FWPCOT3239 Create drawings using computer aided design systems

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3239B Create drawings using computer aided design systems, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to prepare the computer aided design (CAD) environment, create two dimensional (2D) drawings and produce linked materials lists. Drawings can include plans, diagrams, charts and elevations. Work is completed in a forestry office setting.

The unit applies to Engineered Timber Products Technician, Timber Fabricator.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.
1. Prepare for drawing	1.1 Identify type of drawings to be created with computer-aided design (CAD) systems and where required check with appropriate personnel. 1.2 Select appropriate equipment and check for operational effectiveness. 1.3 Plan CAD process in line with organisational procedures.

2. Set up CAD environment	2.1 Customise system variables, menus and drawing defaults to suit production outcomes.
	2.2 Develop macros to suit production outcomes.
3. Create 2D drawings	3.1 Create drawings using full capability of available software system
	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 in line with organisational procedures.
	3.5 Format linked drawing entities as materials lists in line with production requirements.
	3.6 Extract supplementary product dimension data from drawings.
	3.7 Record and report drawing process and equipment faults to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	• calculate dimensions for product components and clearly represent these in drawings.
Oral communication skills to:	• ask open and closed probe questions and actively listen to clarify types of drawings to be completed.
Reading skills to:	• interpret detailed familiar organisational procedures for computer drawing activities.
Writing skills to:	• complete accurate basic reports on drawing processes and equipment faults.
Planning and organising skills to:	• plan processing of drawings in a logical sequence and manage own timing and productivity to complete drawings within deadlines.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3239B Create drawings using computer aided design systems

Links

Companion Volume implementation guides are found in VETNet -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47