



Australian Government

Assessment Requirements for 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.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has created a set of drawings using a design software program for at least one timber product project, and used the software to:

- manipulate the drawing origin and entities
- modify dimension styles
- access libraries and define and utilise symbols and abbreviations
- display various scaled views
- add title block
- prepare project to printing
- produce a linked materials list.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace policies and procedures relevant to using digital devices, software and creating drawings for a timber project
- capabilities, functions and processes of drawing software programs
- drawing outcomes:
 - orthographic
 - isometric
 - perspective
 - 2-dimensional (2D)
 - 3-dimensional (3D)
- drawing elements:
 - points, line angles, circles, arcs, planes, solids and figures

- shapes – squares, rectangles, triangles
- bisected and divided lines
- dimensions and hatchings
- drawing tools:
 - delete, fillet, chamfer, erase, trim/extend, break, undo and redo
 - zoom and pan
 - move, copy, rotate, mirror
 - polar and rectangular duplication
 - object snaps
 - dimension/measure/divide
 - scale
- drawing features:
 - built-in specifications
 - save
 - file import/export
 - print
- methods to:
 - set up system variables, menus and macros
 - prepare 2D drawings
 - prepare and explode detailed views
 - link drawing entities to materials lists
 - extract supplementary product dimension data from drawings
 - store and retrieve drawings and materials lists
- formats for and inclusions of materials lists according to workplace procedures.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber fabrication facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computers with current software programs used to produce drawings and materials lists
- specifications:
 - access to workplace product information and fabrication plans on which to base drawings
 - access to workplace materials' lists templates
 - access to workplace policies and procedures for producing drawings and documents using computers.

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

Links

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