



Australian Government

Assessment Requirements for FWPCOT3239 Create drawings using computer aided design systems

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to creating drawings using CAD systems
- create drawings using CAD systems in line with site requirements
- produce linked materials lists
- across the above jobs, produce these different types of drawings using CAD systems:
 - plans
 - diagrams
 - charts
 - elevations
 - exploded views
- incorporate these drawing entities:
 - lines
 - arcs
 - circles
 - text
 - hatch
 - dimensions
- complete a basic report on drawing processes and equipment faults.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- common products for which computer aided 2D drawings are produced, their features, use and standard material sizes
- for the drawing software:
 - available 2D drawing types
 - system functions and capabilities
 - 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
- organisational policies and procedures for producing drawings and documents using computers.

Assessment Conditions

The following resources must be made available:

- computers, keyboards and industry current software programs used to produce computer aided 2D drawings and material lists
- product information on which to base drawings
- template materials lists
- template documents for recording drawing processes and equipment faults
- organisational policies and procedures for producing drawings and documents using computers.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>