



Australian Government

**FWPTMM3205 Interpret designs to
prepare timber floor system drawings and
documents using computers**

Release: 1

FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers

Modification History

Release	Comment
1	Replaces equivalent unit FPITMM3205A Interpret designs to prepare timber floor system drawings and documents using computers, 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 interpret designs and plans to produce a limited range of floor system drawings and production documents using computers in a timber production or design setting.

The unit applies to Designer, Timber Manufactured Products Technician, Production Supervisor.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>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.</i>
--	--

1. Interpret plans and designs	1.1 Gather information about designs and plans, design factors and specifications. 1.2 Access and interpret industry and organisational codes and standards to ensure production of compliant drawings and production documents. 1.3 Identify stakeholders and consult where clarification is needed.
2. Create floor systems	2.1 Design floor systems to ensure compliance with identified standards. 2.2 Check computer software for currency. 2.3 Input applied loads and data to software. 2.4 Identify load transfers and load bearing points. 2.5 Input floor area and create floor systems layout. 2.6 Refer design requirements outside software limitations to appropriate personnel for resolution.
3. Review floor system layouts	3.1 Identify available materials and other production efficiencies and amend designs. 3.2 Review designs to ensure identified standards are maintained. 3.3 Follow organisational procedures to refer design variations to relevant stakeholders where design varies from identified standards.
4. Create outputs	4.1 Prepare drawings and documentation in line with identified standards. 4.2 Store drawings and documentation and communicate to relevant stakeholders.

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:	- interpret numerical data from designs and plan specifications involving area, angles and load - identify and interpret numerical requirements within industry and organisational codes and standards - input accurate numerical data into software systems - recognise and interpret computer outputs of non-conforming measurements.
Oral communication	ask questions and actively listen to clarify contents of designs,

skills to:	- plans and technical specifications - clearly articulate reasons for variations from industry and organisational codes and standards.
Reading skills to:	- interpret: - WHS procedures, industry and organisational codes and standards - designs, plans and technical specifications.
Writing skills to:	- input accurate written text into software systems - produce of accurate and detailed documents to support interpretation of drawings and assist with production.
Planning and organising skills to:	plan and organise own work in logical sequence and manage own timing and productivity to complete drawings and documents within deadlines.
Problem-solving skills to:	recognise software design limitations and non-conforming designs and refer to others for resolution.
Teamwork skills to:	work as part of an internal and external design and construction team to produce compliant drawings and production documents.
Technology skills to:	use a computer, keyboard and software to complete floor system drawings and production documents.

Range of Conditions

Not Applicable

Unit Mapping Information

FPITMM3205A Interpret designs to prepare timber floor system drawings and documents using computers

Links

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

Assessment Requirements for FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers

Modification History

Release	Comment
1	Replaces equivalent unit FPITMM3205A Interpret designs to prepare timber floor system drawings and documents using computers, 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 organizational policies and procedures relevant to interpreting plans and designs to prepare timber floor system drawings and production documents using computers
- prepare floor system drawings and production documents suitable for manufacture of floor systems

Knowledge Evidence

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

- content an application of industry and organisational codes and standards for timber floor systems
- limits of ability and authority with respect to non-conforming design
- common industry standard sizes, profiles and spacing dimensions
- complete drawings for each of the following types of floor system inclusions in line with an
 - I-beams
 - laminated beams

- solid timber sections
- webbed truss
- for the drawing software:
 - available drawing types
 - design limitations
 - system functions and capabilities
 - methods to input and amend design factors and other data
 - methods to store and retrieve drawings
- organisational policies and procedures specific to producing drawings and documents using computers:
 - workplace health and safety
 - communication reporting lines for internal and external stakeholders
 - filing computerised drawings and documentation

Assessment Conditions

The following resources must be made available:

- computers, keyboards and industry current software programs used to produce drawings and documentation for floor layouts
- industry and organisational codes and standards for floor systems
- designs, plans and technical specifications for floor systems
- relevant personnel for the purposes of communicating information
- documents, spreadsheets and commonly used proforma documents
- 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>