



Australian Government

**Assessment Requirements for
FWPTMM4210 Interpret details of timber
floor systems to inform design of plans and
production documents**

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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 designed layout plans and developed production and installation documentation using timber system design software for one on ground flooring system and one first floor wide span flooring system project, each:

- with a minimum of 100 square metres
- including a minimum of one internal load-bearing wall.

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:

- building industry regulations, codes and standards relevant to design of timber floor systems:
 - National Construction Code (NCC)
- risks of non-conforming design:
 - responsibilities and limits of authority with regard to certifying and non-conforming design
- types of timber flooring systems:
 - I-beams
 - laminated beams
 - webbed truss
 - solid timber sections
 - composite systems
- key features of plans, drawings and specifications:
 - types and applications of plans and drawings

- relating specified information to plans and drawing details
- construction terminology
- elements that affect timber floor systems design:
 - types of sub-floor support
 - spans
 - live and dead loads
 - tie down requirements
 - fire separation/protection
 - termite protection
- appropriate software, including custom software for timber systems design to:
 - research information
 - communicate with internal and external clients/stakeholders
 - input and amend design factors and other data
 - produce drawings, plans and documents
 - store and retrieve documents
- types, functions, capabilities and limitations of drawing software
- application, characteristics and limitations of materials and components used for timber flooring systems
- certifying timber floor systems design layouts.

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 design or manufacturing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computers and software, including timber systems design software
- specifications:
 - access to workplace policies, procedures and processes relevant to designing timber floor systems and providing design advice
 - access to building regulations, codes and standards relevant to timber floor systems
 - access to workplace health and safety and environmental policies and procedures applicable to design of timber floor systems.
- relationships:
 - clients/stakeholders to discuss and confirm timber floor systems design.

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>