Australian Government

Assessment Requirements for FWPTMM3215 Work effectively in the timber systems design industry

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 completed a minimum of five different timber systems design specific job tasks and has:

- followed relevant workplace policies and procedures relating to the job role as a timber systems designer
- sourced and shared timber system design information with stakeholders or work team
- used timber system design technology.

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 timber systems design:
  - National Construction Code (NCC)
  - Timber Framing Code
- organisational risks of non-conforming design
- construction terminology relevant to timber systems design
- key features of plans, drawings and specifications used in timber systems design:
  - types and applications of plans and drawings
  - drawing conventions
- computers and appropriate software and processes to:
  - research information
  - communicate with internal and external stakeholders
  - input and amend design factors and other data
  - produce drawings, plans and documents
  - save and retrieve documents

- types, functions, capabilities and limitations of drawing software
- application, characteristics and limitations of materials and components used for:
  - wall frames
  - flooring systems
  - roofing systems
- communication techniques and methods to maintain stakeholder and workplace relationships
- key stakeholders in timber systems design industry:
  - architects
  - engineers
  - suppliers
  - builders
  - building regulators
  - industry associations
  - government bodies
- project life cycle:
  - initial planning
  - contract endorsement
  - project planning
  - timber systems design and manufacture
  - construction progress from commencement to completion
- factors that impact timber design:
  - location and type of building
  - material availability
  - cost and quality of materials and components
  - effect of floor members position on overlaying frame and roof truss member position
- certifying timber systems design layouts
- relevant work health and safety and environmental requirements.

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 systems design workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - computers, internet access and software programs
  - access to timber systems design software
- specifications:

- access to workplace policies, procedures and documentation applicable to timber systems design work
- access to workplace safety and environmental policies and procedures applicable to timber systems design
- access to design specifications and building plans

- relationships:
  - stakeholders and/or workplace personnel to discuss timber system designs with.

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