



Australian Government

Assessment Requirements for FWPTMM5210 Verify compliance and conformance of prefabricated timber building systems during manufacture

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least three occasions, the individual has verified compliance and conformance of prefabricated timber building systems during manufacture for one or more of the following panelised or modular prefabricated timber building system types:

- cross-laminated timber floor and wall systems
- post and beam systems (Glulam, laminated veneer lumber)
- panelised floor cassette systems
- panelised wall systems (including cladding, insulation, windows or doors)
- panelised and pre-finished wall systems (inclining above, electrical, plumbing, mechanical or lining)
- pre-finished and fully finished timber-based modules

In doing the above, the individual has:

- implemented workplace health and safety procedures and practices during the compliance and conformance verification operation
- prioritised verification work according to production schedules
- verified relevant documentation and conducted audits correctly and efficiently against design specifications, local codes and standards for any of the following:
 - connections, structural components and physical dimensions of timber framing structure regarding grade, thickness, tolerances and choice of materials
 - services equipment including hydraulic, electrical and heating, ventilation, and air conditioning (HVAC) mechanical
 - partition/walls or floor elements of the structure
 - fire-rated walls or fire protection systems
 - variations of material properties or system component from design specifications
 - off-site installation of services
 - completed timber building system

- identified non-conformant or non-compliant components of timber building systems
- recommended appropriate corrective actions
- reported legibly and accurately.

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 health and safety procedures and practices related to the work activity
- provisions for components including hydraulics, electrical and HVAC mechanical services and plumbing
- verification procedures for product compliance and conformance in the manufacture of prefabricated timber building systems
- elements of valid and efficient manufacturing inspections, verifications and certification processes as outlined in national and international standards
- methods of verifying product quality (actual versus claimed quality) and compliance with the National Construction Code in regards to Performance Requirements
- certification requirements for thermal, acoustic and fire performance of partition and floor elements
- fire rating testing techniques
- certification requirements for hydraulics, electrical and HVAC mechanical services according to standards and manufacturer requirements
- hazards and risks associated with manual handling of prefabricated timber building systems that generally arise from off-site manufacture, including:
 - cut metal edges
 - exposed screw tips and nails
 - abrasion of insulation materials resting on metal edges
 - pinch points in connections
 - surfaces that can retain rainwater
- inspection reports and sign-off procedures as accepted by the industry or established within the workplace.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computers, keyboards, printers and software used to produce and maintain compliance system records and reports
- specifications:
 - access to industry-specific compliance standards and design documentation

- access to production schedules
- access to comprehensive real or simulated certificates, test documentation and product/manufacture specifications
- access to template inspection reports
- access to workplace policies and procedures for documenting and signing off inspections of product compliance and conformance.

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>