



Australian Government

Assessment Requirements for FWPCOT3248 Dry timber in solar assisted kilns

Release: 1

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Modification History

Release	Comment
2.0	Replaces equivalent FPICOT3248A Dry timber in solar assisted kilns, 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 procedures to safely and efficiently dry timber in solar assisted kilns
- dry timber to appropriate moisture contents and stress levels
- operate and monitor a solar assisted kiln, and make necessary adjustments in the course of the drying process
- measure the amount of moisture content of timber or timber products during and after kiln drying
- keep degrade to a minimum when drying timber
- manage the safe movement of timber throughout all stages of the drying process
- produce accurate reports and records of the drying process.

Knowledge Evidence

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

- organisational procedures for drying timber
- energy efficiency and savings obtained from various types of solar kilns
- types of tools and equipment and procedures for their safe use, operation and maintenance in the course of drying timber in the solar assisted kilns

- species identification for timbers
- drying techniques including development and relief of drying stresses
- identification of drying degrade including surface checks, internal checks, end splits, collapse, excessive distortion, bow, spring, twist, cup and case hardening
- procedures for the operation of solar assisted kilns
- the anticipated process the timber will undergo to remove moisture to target moisture content including air drying, sheltered air drying, pre-drying, reconditioning, high humidity treatments, final kiln drying, equalising, conditioning
- types of timber degrades and how they develop
- wood-water relationships in the drying process
- methods of visual inspection
- characteristics of timber including native timber species, imported timber species and preservative treated timber
- quality and distribution processes
- storage systems and labelling.

Assessment Conditions

The following resources must be made available:

- solar assisted kiln
- timber for drying
- personal and protective equipment required for drying timber in solar assisted kilns.

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>