

**Modification history**

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

FWPSAW2XXX	De-stack timber drying racks
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to assess dried timber boards, separate them from seasoning racks, monitor transfer and maintain timber board supply for dressing process.</p> <p>The unit applies to individuals who de-stack timber drying racks in a dry mill or sawmill work environment.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Sawmilling and Processing (SAW)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for de-stacking timber drying racks	1.1 Determine job requirements from work order or instructions and, where required, check with appropriate personnel 1.2 Confirm workplace safety and environment protection requirements for the task, including use of personal protective equipment 1.3 Identify, assess and take actions to mitigate hazards and associated risks for de-stacking timber drying racks 1.4 Identify type and quantity of boards for de-stacking operation 1.5 Check equipment used in de-stacking timber drying racks for operational effectiveness
2. De-stack timber drying racks	2.1 Assess timber boards visually for type, size and quality 2.2 Measure moisture content of timber boards and approve for de-stacking 2.3 Load racks onto separation equipment according to workplace procedures 2.4 Separate and load timber boards onto conveyor systems 2.5 Remove bearers, spacing stick and other protective items from timber boards and store for return to stacking area 2.6 Reject and dispose of sub-standard materials according to environmental protection practices 2.7 Keep de-stacking area clear of timber scraps and dispose of waste according to environmental protection practices
3. Monitor transfer and maintain supply of timber board to subsequent operation	3.1 Monitor conveyor transfer procedures and keep free from blockages 3.2 Supply racks to timber board separation equipment by maintaining consistent size and species for dressing operation according to work order 3.3 Change timber board supply in response to changes to size for dressing process 3.4 Monitor changeover points according to workplace procedures 3.5 Identify routine process supply and equipment faults and resolve or report to appropriate personnel

**Foundation Skills**

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

Skill	Description
Reading	<ul style="list-style-type: none"> <li>Interpret routine workplace documents related to de-stacking timber drying racks</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete routine records for processing and equipment faults</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Ask open and closed questions and actively listen to clarify contents of work orders</li> </ul>

**Unit Mapping Information**

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW2XXX De-stack timber drying racks	FWPSAW2206 De-stack seasoning racks	Revised Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent

**Links**

Companion Volumes, including Implementation Guides, are available at VETNet: <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

<b>TITLE</b>	<b>Assessment requirements for FWPSAW2XXX De-stack timber drying racks</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has de-stacked timber drying racks and maintained the supply of timber boards for dressing process for one production period according to workplace operating procedures.</p> <p>In performing this task, the individual has:</p> <ul style="list-style-type: none"> <li>• followed workplace health and safety and environmental safety procedures</li> <li>• completed pre-operational check and operated equipment involved in de-stacking timber drying racks</li> <li>• measured moisture content and visually assessed quality of timber boards</li> <li>• separated timber boards from the rack bearers and spacing sticks</li> <li>• maintained the required supply of de-stacked timber for dressing process.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• purpose, features and operation of equipment used for drying timber</li> <li>• types and components of timber drying racks: <ul style="list-style-type: none"> <li>• air seasoning or kiln seasoning racks</li> <li>• timber, steel or mobile racks with bearers and spacing sticks</li> </ul> </li> <li>• mechanical timber board separation machine and conveyor system</li> <li>• methods used to measure moisture content of timber</li> <li>• techniques for de-stacking timber drying racks</li> <li>• markings used on timber boards to identify grade</li> <li>• work flow processes used to de-stack timber drying racks</li> <li>• flow of timber board supply in and out of de-stacking area</li> <li>• timber storage systems and labelling</li> <li>• characteristics used to visually assess timber boards: <ul style="list-style-type: none"> <li>• type</li> <li>• finish quality</li> <li>• timber defects</li> <li>• length</li> <li>• width</li> <li>• thickness</li> </ul> </li> <li>• typical timber defects and how they affect ability to produce a quality finished product: <ul style="list-style-type: none"> <li>• incorrect moisture content</li> <li>• warp</li> <li>• wane</li> <li>• cupping</li> <li>• shakes</li> <li>• insect defects</li> <li>• knots</li> <li>• resin pockets</li> </ul> </li> <li>• range of industry standard lengths, cross sections, appearance grades and applicable terminology</li> <li>• workplace procedures specific to de-stacking timber drying racks: <ul style="list-style-type: none"> <li>• health and safety with particular emphasis use of personal protective and other equipment</li> <li>• communication reporting lines</li> <li>• recording and reporting processing and equipment faults</li> </ul> </li> <li>• workplace environmental protection for timber products factory settings: <ul style="list-style-type: none"> <li>• cleaning of plant, tools and equipment</li> <li>• reducing water and energy use</li> <li>• disposing of, recycling and reusing timber</li> </ul> </li> </ul>	

<b>Knowledge Evidence</b>	
<ul style="list-style-type: none"> <li>disposal of waste material.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>physical conditions: <ul style="list-style-type: none"> <li>skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions</li> </ul> </li> <li>resources, equipment and materials: <ul style="list-style-type: none"> <li>timber drying racks to de-stack</li> <li>mechanical board separation machine with conveyor system</li> <li>moisture probes</li> <li>PPE suitable for de-stacking seasoning racks</li> </ul> </li> <li>specifications: <ul style="list-style-type: none"> <li>workplace procedures for de-stacking seasoning racks</li> <li>workplace health and safety and environment protection procedures applicable to de-stacking seasoning racks.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a></p>