



**Australian Government**

# **FWPCOT3211 Maintain sawdoctoring tools**

**Release: 1**

## FWPCOT3211 Maintain sawdoctoring tools

### Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3211B Maintain sawdoctoring tools, 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.

### Application

This unit of competency describes the outcomes required to assess tool wear and the need to recondition straight edges and tension guides by grinding, machining or filing. Work is completed in a forest products factory setting.

The unit applies to Sawdoctor, Saw Repairer.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

### Pre-requisite Unit

Nil

### Unit Sector

Common Technical; applies across sectors

### Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for maintenance	<p>1.1 Review work order and where required check with appropriate personnel.</p> <p>1.2 Select appropriate repair, maintenance and personal protective equipment and check for operational effectiveness.</p> <p>1.3 Remove sawdoctoring tools for reconditioning from designated machinery.</p> <p>1.4 Plan maintenance process in line with work order.</p>

<p>2. Recondition straight edge</p>	<p>2.1 Follow organisational safety procedures and manufacturer's recommendations throughout all repair and maintenance processes.</p> <p>2.2 Assess straight edge damage and wear select appropriate reconditioning method.</p> <p>2.3 Determine correct work angle for re-surfacing or removal of wear.</p> <p>2.4 Clamp straight edge at correct angle to prevent movement, vibration and slippage during the re-surfacing process.</p> <p>2.5 Inspect abrasive wheel or cutting tool, clean or change as required to suit work material removal, tolerance and surface texture requirements.</p> <p>2.6 Grind, machine or file straight edge to remove distortions and maintain edge straightness and flatness without overheating or causing distortion,</p> <p>2.7 Remove all signs of wear or damage from reference surfaces.</p> <p>2.8 Clean straight edge and debur edges.</p> <p>2.9 Dispose of distorted sawdoctoring tools in line with environmental protection practices.</p>
<p>3. Recondition tension gauge</p>	<p>3.1 Select grinder or other appropriate enterprise method for reconditioning tension gauges in line with organisational procedures.</p> <p>3.2 Set grinder to produce required radius or circle diameter for the tension gauge.</p> <p>3.3 Position tension gauge and clamp in grinder securely, ensuring cord height is central to gauge length and arc is ground square to plane of the gauge body.</p> <p>3.4 Inspect grinding wheel, and dress and change to suit work, material and required tolerance.</p> <p>3.5 Grind gauge to required accuracy and profile until all visible edge and face wear is removed.</p> <p>3.6 Select and monitor grinding speed and feed rates to avoid overheating, distortion and burn marks.</p> <p>3.7 Dispose of tension gauges distorted during the process in line with environmental protection practices.</p> <p>3.8 Record and report processing problems and equipment faults to appropriate personnel.</p>

## Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	<ul style="list-style-type: none"> <li>read basic grinding wheel settings; set and adjust speeds to suit straight edge and tension gauge requirements.</li> </ul>
Oral communication skills to:	<ul style="list-style-type: none"> <li>ask open and closed probe questions and actively listen to clarify contents of work orders.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>interpret:             <ul style="list-style-type: none"> <li>workplace health and safety and other organisational procedures</li> <li>work orders</li> <li>manufacturers' instructions and maintenance recommendations.</li> </ul> </li> </ul>
Writing skills to:	<ul style="list-style-type: none"> <li>complete basic accurate records for processing problems and equipment faults.</li> </ul>
Planning and organising skills to:	<ul style="list-style-type: none"> <li>efficiently and logically sequence the stages of preparation and repair work using work order to guide activities.</li> </ul>

## Range of Conditions

Not Applicable

## Unit Mapping Information

FPICOT3211B Maintain sawdoctoring tools

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509f8d3d47>