



Australian Government

**FWPCOT3271 Hand sharpen knives and
blades for commercial and domestic cutting
services**

Release: 1

FWPCOT3271 Hand sharpen knives and blades for commercial and domestic cutting services

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to hand sharpen knives and blades using files and grinders for a range of commercial and domestic services that use hand drill bits, hand chainsaw, scissors, wood chisels, garden tools and other cutting tools.

The unit applies to individuals who sharpen machine knives and blades in a saw technician workshop or sawmill facility.

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.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

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 sharpening	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>handling techniques</p> <p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with hand sharpening knives and blades</p> <p>1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p> <p>1.5 Remove and replace knives or blades to be sharpened from designated machinery</p> <p>1.6 Select sharpening equipment appropriate to the type of knife or blade and work requirements, and check for operational effectiveness</p>
2. Assess knife or blade condition and set up for sharpening	<p>2.1 Identify defects and assess the cutting performance of knife or blade for sharpening requirements</p> <p>2.2 Clean knife or blade holders to workplace standards</p> <p>2.3 Assess condition of knife or blade holder, and correct defects</p> <p>2.4 Select jig setting for knife or blade assembly</p> <p>2.5 Separate and re-assemble knife or blade assembly according to manufacturer recommendations</p>
3. Sharpen knives or blades	<p>3.1 Clean excess build-up from knives or blades and inspect for defects, replacing those unable to be repaired by sharpening</p> <p>3.2 Select geometry for knives or blades from manufacturer instructions</p> <p>3.3 Select manual sharpening equipment and suitable attachment for holding the knife or blade</p> <p>3.4 Feed sharpening equipment across knife or blade, into cutting edge, to obtain clean cutting edge that conforms with geometric requirements without defects and burns</p> <p>3.5 Inspect knife or blade after sharpening for accuracy, and hone remaining burrs to obtain a sharp cutting edge</p> <p>3.6 Identify, record and report sharpening and equipment faults to the appropriate personnel</p>

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
Numeracy	<ul style="list-style-type: none">Identifies the pitch and angle that a knife or blade is sharpened at
Interact with others	<ul style="list-style-type: none">Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	<ul style="list-style-type: none">Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3271 Hand sharpen knives and blades for commercial and domestic cutting services	FWPCOT3201 Hand sharpen knives and blades	Updated application statement; revised knowledge evidence; updated unit code and title to reflect changes and for compliance	Equivalent unit

Links

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