



Australian Government

Assessment Requirements for FWPCOT3287 Operate CNC equipment for grinding, tensioning and levelling saw blades

Release: 1

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Modification History

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

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- operated computer numerical control (CNC) equipment to grind, tension and level saw blades.

In doing the above job, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- identified, assessed and taken actions to mitigate risks and hazards associated with operating CNC equipment
- set, adjusted and tested CNC equipment
- performed routine maintenance of CNC equipment
- recorded and reported production outcomes, equipment faults and maintenance requirements.

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:

- types, components, uses and limitations of CNC equipment used for grinding, tensioning and levelling saw blades
- reasons for using CNC equipment
- elements of a basic CNC program
- function of elements in controlling the operation of a CNC machine
- machining operations
- methods for setting CNC program
- workflow processes

- reasons for testing and proving the CNC program
- procedures for editing the CNC program via the machine controller
- effects of editing on the operation of the CNC equipment and the part or product to be produced
- measuring equipment/techniques used to check for conformance to specification
- types of risk and hazards and mitigation measures associated with CNC machines
- maintenance and housekeeping requirements of CNC machines
- safe work practices and procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a saw technician workshop or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - CNC equipment for grinding, tensioning and levelling saw blades
 - hand tools, equipment and measuring devices required for use when using CNC equipment for grinding, tensioning and levelling saw blades
 - saw blades
 - personal protective equipment (PPE) for operating CNC equipment
- specifications:
 - template documents for recording production outcomes
 - manufacturer instructions for CNC equipment
 - work order with specific instructions for grinding, tensioning and levelling saw blades
 - workplace procedures for using CNC equipment to grind, tension and level saw blades.

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>