



Australian Government

MSFCP3001 Produce barrels using non-fired processes

Release: 1

MSFCP3001 Produce barrels using non-fired processes

Modification History

Release 1. Changes to code, application, elements, performance criteria. Foundation skills added. Range of conditions removed. Assessment requirements changed. Previous unit was housed in an AQF2 qualification. This unit aligns with AQF3.

Application

This unit describes the skills and knowledge required to produce barrels using non-fired processes. It includes both manual and automated production methods. Workers with this competency follow established procedures using discretion, judgement and problem solving.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Unit Sector

Coopering

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Choose appropriate materials	1.1 Analyse timber types and characteristics to identify appropriate timber for the barrel 1.2 Analyse metal types and characteristics to identify appropriate metal for the barrel
2. Determine the impact of barrel components and storage processes on contents	2.1 Identify effects of barrel fermentation, maturation and seasoning and controlled oxidation on barrel and barrel contents. 2.2 Apply knowledge of barrel storage processes to barrel production
3. Prepare for production	3.1 Verify and comply with work health and safety (WHS) legislative and organisational requirements 3.2 Review, confirm and clarify work order with appropriate personnel 3.3 Plan barrel production sequence 3.4 Determine procedures for checking quality at each stage of the process 3.5 Select suitable work area for the task

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	3.6 Select tools and equipment suitable for the work and check they are safe and functional
4. Select and prepare components	4.1 Collect materials, hardware, fittings and attachments 4.2 Select fixing and joining devices in accordance with work instructions and type of materials to be joined 4.3 Select jigs, and check they are suitable for purpose 4.4 Machine and prepare components, including staves and heads, to specification
5. Assemble components	5.1 Lay out and join components using jigs and appropriate fastenings and clamping devices 5.2 Use hand and power tools and equipment as required 5.3 Check assembled components for compliance with specifications
6. Finish barrel	6.1 Line barrel according to specification 6.2 Test barrel for leakage and repair faults 6.3 Fit and secure decorative features or fittings to specification 6.4 Sand and prepare barrel for coating 6.5 Coat barrel in accordance with specification and intended commercial application
7. Clean work area and maintain equipment	7.1 Tag and report faulty and defective equipment in accordance with workplace procedures 7.2 Organise and store finished barrels in holding area 7.3 Remove waste and scrap following workplace procedures 7.4 Clean tools and equipment, check they are in serviceable condition, and store them in accordance with workplace procedures 7.5 Clean equipment and work area in accordance with workplace procedures 7.6 Complete records and reports to workplace requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to comprehend work instructions
- Writing skills to complete work records
- Oral communication skills to clarify work instructions
- Numeracy skills to measure and calculate lengths, volumes and angles.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is not equivalent to MSFCP2002 Produce barrels using non-fired processes.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>