



**Australian Government**

# **Assessment Requirements for MSFCP3001 Produce barrels using non-fired processes**

**Release: 1**

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## **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.

## **Performance Evidence**

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- make and test at least 1 non-fired and fully finished barrel.

## **Knowledge Evidence**

There must be evidence the candidate has knowledge of:

- characteristics of wood commonly used for barrels, including at least 2 species of oak and one non-oak species
- function of hand and power tools commonly used in barrel production
- personal protective equipment (PPE) required for barrel production
- barrel production sequence, including
  - docking and grading staves
  - dressing staves
  - jointing staves
  - rising or assembling barrel
  - bending the barrel
  - crozing
  - making heads
  - cutting the head
  - fitting the head
  - finishing the barrel
  - fitting final hoops
  - testing
- leakage repair methods including plugging, caulking and re-machining
- types of metal used in barrels, including steel, stainless steel, copper and other alloys
- properties of oak, including medullary rays and tyloses
- impact of seasoning, including combination techniques, on cell structure and on the levels of oak lactones and other extractable oak constituents released into barrel contents

- effects of controlled oxidation, barrel maturation and in-barrel fermentation on barrel and contents.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - materials and tools required for performance evidence
  - PPE
  - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume implementation guides are found in VETNet –

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