



Australian Government

Assessment Requirements for MSFCP2002 Produce barrels using non-fired processes

Release: 1

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Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Identify a range of timber types, including oak, and detail their uses and limitations and the properties of American and French oak
- Consider the likely effects of controlled oxidation, barrel maturation and in-barrel fermentation on products
- Complete a minimum of two (2) non-fired and fully finished barrel or equivalent products to specification
- Effectively conduct operator maintenance on tools and equipment
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or Territory WHS legislation, regulations, standards and codes of practice relevant to the full range of processes for coopering operation
- Basic barrel construction terminology and techniques
- Basic barrel repair terminology and techniques
- Organisational and site standards, requirements, policies and procedures for coopering
- Types of coopering tools and equipment and procedures for their safe use, operation and maintenance
- Types of timbers used in the coopering industry, their characteristics, properties, uses and limitations

- Types and sources of oak and the advantage/disadvantages of each
- The effects of the structure of timber, including:
 - parts of the tree and tree cell structure
 - optimum stave production techniques
 - types of seasoning and the impacts of techniques, including combination techniques, on the cell structure
- The effects of the barrel properties on the wine and spirit product
- Coopering components standard shapes and forms
- Environmental protection requirements relating to the disposal of waste material
- Established communication channels and protocols
- Relevant problem identification and resolution
- Set-up and operation of machining equipment
- Cutting patterns and sequences
- Cutting tool condition assessment
- Storage systems and labelling
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to materials, including examples of timber, samples of oak and equipment, relevant to producing a coopering product and specifications.

Links

Companion Volume implementation guides are found in VETNet -

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