Assessment Requirements for FWPSAW2207 Round softwood logs

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2207B Round softwood logs, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to rounding softwood logs
- round softwood logs in line with prescribed organisational specifications using a machine that shapes the debarked log into a round pole
- store poles in line with organisational requirements
- complete these types of basic non-specialist maintenance:
    - cleaning the machine of wood chips and sawdust
    - replacing blunt cutters
    - inspecting machine parts for wear or damage, including guards
    - greasing and lubricating moving parts
    - checking the operation of emergency stop buttons and lock out systems

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of equipment used to round softwood logs:
    - measuring equipment
    - rounding plant
    - scanners that calibrate dimension sizes
    - back –up computer device

- automated conveyor system to transport logs to and from the rounding plant
- maintenance tools and equipment for cutters
- methods used to assess logs for:
  - diameter
  - curvature
  - faults
  - species
  - moisture content
- typical work flow processes for rounding logs
- typical flow of log supply in and out of the production area
- range of feed rates and how they affect production output and finished quality of rounded logs
- methods for assessing and rectifying typical scanner problems:
  - tangles
  - sorting pockets
  - monitor failure
- methods for assessing cutter condition
- log rounding systems, processes, feed rates and finish
- characteristics of timber
- storage systems and labelling
- environmental protection practices for forest products factory settings:
  - reducing water and energy use
  - cleaning plant, tools and equipment
  - disposing of, recycling and reusing timber
- typical log defects and how they affect ability to produce quality rounded softwood logs:
  - warp
  - wane
  - curvature
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- organisational procedures specific to rounding logs:
  - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
  - communication reporting lines
  - recording and reporting processing problems and equipment faults.
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Assessment Conditions

The following resources must be made available:

- measuring equipment
- moisture probes
- rounding plant with:
  - scanner to calibrate dimension sizes
  - back –up computer device
- automated conveyor system to transport logs to and from the rounding plant
- maintenance tools and equipment for cutters
- consumable cutters
- personal protective equipment suitable for rounding logs
- a selection of logs
- manufacturers':
  - instructions for equipment use
  - recommendations for repairing and maintaining equipment
- work order with specific instructions for rounding logs and despatch to downstream processing
- template documents for recording production outcomes and equipment faults
- organisational policies and procedures for rounding logs.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.
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Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47