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Assessment Requirements for FWPSAW3203 Break down logs

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW3203B Break down 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 breaking down logs
- break down logs to produce sections in line with a work order and within prescribed organisational specifications
- complete these types of basic non-specialist maintenance:
    - cleaning the machine of wood chips and sawdust
    - replacing blunt saw blades
    - 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 break down logs:
    - carriages:
        - standard three headed dog carriages
        - flat top carriages with head rigs
    - saws:
        - circular saws

- bench saws
- overhead frame saws or band saws
  - mechanical feed
  - conveyor system to transport logs to and from the sawing area
  - maintenance tools and equipment for saws
- typical work flow processes for breaking down logs
- typical flow of log supply in and out of the sawing area
- range of cutting patterns used on logs to achieve maximum output of flitches and cants
- range of feed rates and how they affect production output and finished quality of flitches and cants
- characterstics of timber
- breakdown processes, feed rates and finish
- methods for assessing saw blade condition
- 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 flitches and cants:
  - warp
  - wane
  - curvature
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- organisational policies and procedures specific to breaking down 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.

Assessment Conditions

The following resources must be made available:

- one or more of the following carriages:
  - standard three headed dog carriages
  - flat top carriages with head rigs
- one or more of the following saws:
  - circular saws

- - bench saws
  - overhead frame saws or band saws
- mechanical feed
- conveyor system to transport logs to and from the sawing area
- maintenance tools and equipment for saws
- consumable saw blades
- 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 breaking down logs and despatch to downstream processing
- template documents for recording equipment faults and maintenance requirements
- relevant personnel for the purposes of communicating information
- organisational policies and procedures for breaking down 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.

Links

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