



Australian Government

Assessment Requirements for FWPCOT3340 Develop knowledge of log yard operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- researched and documented layout and workflow in one log yard
- confirmed and compiled procedures, equipment information and safety requirements that apply to four different log yard operations selected from:
 - unloading/reloading
 - transport
 - grading
 - scaling
 - sorting
 - log storage
 - residue and waste management.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- types of log yards, including:
 - traditional mill log yards
 - concentration log yards
 - log reload yards
- purpose of log yards, including:
 - connect raw material supply to manufacturing processes
 - maintain log quality
- log yard layout
- log yard operations, including:

- unloading/reloading
- transport
- grading
- scaling
- sorting
- log storage
- residue and waste management
- types, uses and operation of log yard equipment and systems, including:
 - front end loaders
 - log stackers
 - hydraulic log loaders
 - log sorting systems
 - weighbridges
 - sorting bunks
 - quality assurance systems
- characteristics of log stack, including:
 - label
 - length
 - diameter
 - grade
- influences of correct stacking on safety, efficiency and log rotation
- influences of movements and product being moved on log yard layout
- log yard operational problems, including:
 - vehicle movement planning within the log yard
 - empty trips
 - seasonality of raw material availability
 - log yard shape
 - in-flow management
 - poor surface material
- materials handling hazards and principles of safe materials handling in log yards, including:
 - reduce or eliminate unnecessary movements, and combine movements
 - increase the size and weight of quantity of material moved wherever possible
 - standardise types and sizes of equipment
 - use equipment that can perform multiple tasks unless specialized equipment is needed
 - select equipment to match all aspects of material and flow in the system
 - minimise the ratio of dead weight to total weight for all moves
 - maximise the load and minimise the distance on high-intensity moves
 - make low-intensity moves if long distances must be covered
 - pick up and set down whole load

- workplace procedures, equipment and safety requirements for log yard operations, including:
 - health and safety, with particular emphasis on identifying hazards and controlling associated risks in log yard operations
 - dealing with out-of-specification logs
 - documents that need to be completed in the log yard, including requirements for tracking and identifying stock in the log yard
- purpose, features and operation of electronic measuring equipment and weighbridges
- methods used to estimate log weights and volumes using formulas and data tables.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a log yard or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - reference materials on log yard operations
 - internet access and computer software and hardware for accessing technical information on log yard operations
- specifications:
 - sample log yard site plans
 - sample workplace policies and procedures that cover current regulations and related industry standards and codes of practice applicable to safe work in log yard operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>