



Australian Government

FWPCOT3227 Receive and measure logs

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3227B Receive and measure 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.

Application

This unit of competency describes the outcomes required to receive deliveries of logs, measure logs for length and diameter, estimate and calculate log weight and volume, weigh and direct trucks and complete delivery documentation. Work is completed in a forest products factory setting.

The unit applies to Sawmill Worker, Production Technician.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Estimate log weights and volumes	1.1 Select appropriate personal protective equipment and check for operational effectiveness. 1.2 Identify potential and existing hazards and control risks associated with receiving, measuring and weighing logs. 1.3 Measure length and average diameter of logs. 1.4 Calculate estimated log weights and volumes in line with organisational formulas.

2. Check, estimate and record loads	2.1 Stop trucks delivering loads, and check delivery documents. 2.2 Check that load height and stability meet site requirements. 2.3 Inspect type and quantity of logs; assess suitability of size, species and quality for acceptable receipt. 2.4 Calculate and record weight and volume of each log. 2.5 Record delivery documentation and equipment faults in line with organisational procedures.
3. Weigh trucks	3.1 Identify truck gross weight using weighbridge in line with organisational safety procedures. 3.2 Obtain truck tare weight from existing records or note need for weighing. 3.3 Identify truck tare weight on departure using weighbridge in line with organisational safety procedures. 3.4 Calculate and record nett weight of logs and type delivered in line with organisational procedures.
4. Direct trucks for unloading	4.1 Notify log yard personnel of delivery and unloading requirements. 4.2 Direct trucks clearly and accurately to unloading area in line with log classification. 4.3 Monitor and coordinate on-site truck movements, ensuring a safe operating environment.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- complete complex calculations of: - log lengths and averages - estimated log weights and volumes using assistive formulas - gross, tare and nett weights - heights of loaded vehicles - read weight gauges on weighbridges - record numerical data involving times, weights and dimensions.
Oral communication skills to:	provide clear, unambiguous directions to truck drivers.

Reading skills to:	• interpret: • workplace health and safety and other organisational procedures • delivery documentation.
Writing skills to:	• complete basic accurate records of delivery details and equipment faults.
Planning and organising skills to:	• coordinate safe on-site movement of multiple trucks.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3227B Receive and measure logs

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3227 Receive and measure logs

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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 receiving and measuring logs
- receive and measure logs
- convey material to loading areas
- weigh truck to ensure they follow and meet regulations
- estimate and calculate log weights and volumes

Knowledge Evidence

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

- purpose, features and operation of electronic measuring equipment and weighbridges
- site capacity and compliance requirements for vehicle load height, stability and weight
- overall site layout and layout of log unloading areas
- typical workplace hazards present when measuring logs and weighing loads; and during on-site truck movement and methods of minimising risks
- methods used to estimate log weights and volumes using formulas and data tables
- key features of these varying signal systems used for directing trucks:
 - hand signals
 - whistles
 - loud speaker announcements
- format, content and use of delivery documentation:

- weighbridge dockets
- tally sheets
- load manifests
- delivery records
- organisational policies and procedures specific to receiving and measuring logs:
 - workplace health and safety with particular emphasis on use of personal protective equipment and identifying hazards and controlling associated risks
 - communication reporting lines
 - recording and reporting delivery details.

Assessment Conditions

The following resources must be made available:

- measuring tapes or electronic measuring equipment
- weighbridge
- personal protective equipment suitable for receiving and measuring logs
- formulas and data tables used to estimate and calculate weights and volumes
- template documents:
 - weighbridge dockets
 - tally sheets
 - load manifests
 - delivery records.
- organisational policies and procedures for receiving and measuring 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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