



Australian Government

FPICOT3262 Transport forestry produce using trucks

Release 1

FPICOT3262 Transport forestry produce using trucks

Modification History

New unit, no equivalent unit.

Unit Descriptor

Unit descriptor This unit describes the outcomes required to drive trucks carrying forestry produce from a forestry harvesting site and deliver it to its intended destination according to organisational procedures and regulations.

General workplace legislative and regulatory requirements apply to this unit. Specific licences and certification may be required subject to enterprise requirements.

Application of the Unit

Application of the unit The unit involves transporting forestry produce using trucks from a forestry harvesting site to a variety of work settings, including log dumps, saw mills, wood chip mills, veneer mills, board/plywood mills and other settings, such as farms and agriculture.

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability skills This unit contains employability skills

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

1. Prepare to transport forestry produce

- 1.1. Appropriate ***work/occupational health and safety (WHS/OHS), environmental and organisational policies and procedures*** relevant to transporting ***forestry produce*** using trucks are identified and followed
- 1.2. ***Work order***, schedules and other relevant ***transportation documentation*** are obtained, reviewed and clarified with ***appropriate personnel, as required***
- 1.3. Coupe map is located and examined for truck access areas
- 1.4. Routes to enter and exit coupe are planned to ensure minimal environmental impact and site protection
- 1.5. ***Truck, ancillary equipment, accessories and configuration*** are checked for serviceability according to manufacturer specifications and statutory regulations

2. Load and unload forestry produce

- 2.1. Access is identified and manoeuvring approach established with site personnel for loading and unloading sites
- 2.2. Safe loading and unloading procedures are agreed to with relevant worksite personnel
- 2.3. ***Communication*** between driver and machine operators is established and maintained to determine safe location during loading and unloading of forestry produce
- 2.4. Load is checked to ensure it meets load requirements and complies with transport regulatory requirements
- 2.5. Load is secured with appropriate ***securing devices*** as per loading guidelines and transport regulatory requirements
- 2.6. Suitable transport routes are planned to ensure the most efficient, safe, secure and legal movement of forestry produce

3. Transport forestry produce

- 3.1. Truck and/or configuration is operated and driven to manufacturer specifications and legislative requirements using ***primary and subsidiary controls*** as appropriate to road and weather conditions
- 3.2. Truck ***gauges and warning devices*** are monitored through observation of performance to detect operating faults
- 3.3. Forestry produce is transported following planned or modified route with consideration for road surfaces and conditions and

ELEMENT**PERFORMANCE CRITERIA**

- fatigue management legislation and guidelines
- 3.4. **Communication methods** with other drivers and road users are established and operated during transport of forestry produce to inform location of truck and possible hazards
- 3.5. Communication channels are kept open in line with organisational arrangements to ensure location is known at all times so that timely emergency assistance can be provided if required
- 3.6. Regular load safety checks are conducted according to statutory requirements and road conditions, as required
- 3.7. Operating faults are identified, **recorded and reported**, and responded to as necessary according to organisational requirements
4. Unload forestry produce and complete log transport operations
- 4.1. Site procedures for unloading are established with appropriate personnel and site inductions are completed
- 4.2. Truck is parked in designated area or unloading point as instructed by appropriate personnel to maintain site, equipment and operator safety
- 4.3. Engine is shut down and truck secured according to manufacturer specifications and site requirements
- 4.4. Site unloading procedures are followed to ensure safe unloading of forestry produce
- 4.5. Forestry produce shifting process and truck operations, including faults, are **recorded and reported** to appropriate personnel

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

Required skills

- Technical skills to:
 - use and maintain relevant tools, machinery and equipment
 - efficiently and safely transport forestry produce using trucks
- Communication skills to:
 - use appropriate communication and interpersonal techniques with colleagues and others
 - use oral communication skills, including questioning, active listening, asking for clarification and seeking advice when required
- Literacy skills to:
 - record and report workplace information
 - maintain documentation
- Numeracy skills to:
 - record and estimate weights
 - calculate work and rest times
 - record hours in work diary
- Problem solving skills to:
 - identify problems and equipment faults
 - demonstrate appropriate response procedures
 - determine appropriate transport routes
- Map reading skills to interpret coupe and road transport maps

Required knowledge

- WHS/OHS, environmental, and organisational policies, procedures and established safe practices relevant to the full range of processes for the transport of forestry produce using trucks
- Environmental protection requirements, including noise, emissions, damage to habitat, safe disposal of waste material and the minimisation of carbon emissions
- Environmental risks and hazards associated with the transport of forestry produce using trucks
- Energy efficient practices, including minimising fuel consumption
- Scheduling and routing procedures
- Transport regulatory requirements relating to the transport of forestry produce
- Truck capabilities and capacities
- Statutory road regulations
- Techniques for load construction, including types of load restraints for forestry produce
- Established communication channels and protocols
- Fatigue management legislation and guidelines
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment used for the transport of forestry produce and procedures for their safe use, operation and maintenance

- Appropriate mathematical procedures for measuring load sizes, estimating and recording weights, and calculating time to complete tasks
- Applicable fall from heights regulations and compliance requirements
- Procedures for recording and reporting workplace information

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can safely transport forestry produce using trucks according to organisational requirements

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to, and satisfy, all of the requirements of the elements of this unit and include demonstration of:

- following appropriate WHS/OHS, environmental and organisational policies and procedures relevant to transporting forestry produce using trucks
- following organisational policies and procedures relevant to loading and unloading forestry produce using trucks
- transporting and securing forestry produce according to legislative and organisational requirements.
- Competency is to be assessed in the workplace
Assessment is to occur under standard and authorised work practices, safety and environmental constraints
- Assessment of required knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to comply with relevant regulatory or Australian Standards requirements
- The following resources should be made available:
 - workplace location
 - materials and equipment relevant to undertaking work applicable to this unit
 - specifications and work instructions

Context of and specific resources for assessment

Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 Training Package
- Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of required knowledge
- Assessment must be by direct observation of tasks, with questioning on required knowledge and at least one other type of evidence i.e. third party report, and it must also reinforce the integration of employability

skills

- Assessment methods must confirm the ability to access and correctly interpret and apply the required knowledge
- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances
- Assessment may be in conjunction with assessment of other units of competency relevant to the industry sector, workplace and job role
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

RANGE STATEMENT

Work/occupational health and safety (WHS/OHS) requirements:

- are to be in line with Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures, and may include:
 - personal protective equipment and clothing
 - safety equipment
 - first-aid equipment
 - fire-fighting equipment
 - fatigue management
 - hazard and risk control
 - elimination of hazardous materials and substances
 - safe forest practices, including required actions relating to forest fire
 - manual handling, including shifting, lifting and carrying
 - chain of responsibility

Environmental requirements may include:

- legislation
- organisational policies and procedures
- energy efficiency
- workplace practices

Organisational requirements may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance
- procedural manuals
- quality and continuous improvement processes and standards
- WHS/OHS, emergency and evacuation procedures
- ethical standards
- recording and reporting requirements
- equipment use, maintenance and storage requirements

RANGE STATEMENT

- environmental management requirements (waste disposal, recycling and reuse guidelines)
- Forestry produce may include:**
 - bark
 - wood shavings
 - wood chips
 - biofuel materials
- Work order may include:**
 - instructions for equipment allocation and usage, location and intended activity to designated personnel
- Transportation documentation may include:**
 - transport permits
 - gazette notices
 - information booklets
 - maps
- Appropriate personnel may include:**
 - supervisors
 - suppliers
 - clients
 - colleagues
 - managers
 - schedulers
- Truck may include:**
 - rigid or articulated trucks
 - the following:
 - semi-trailers
 - jinkers
 - quad-dogs
 - B doubles
 - two-bay skeletal trucks
 - pocket road trains
- Ancillary equipment may include:**
 - safety fittings
 - head boards
 - cab guards
- Accessories may include:**
 - tools
 - records
 - first aid kits
 - fire extinguishers
 - binders
 - chains
 - personal protective equipment
- Configuration is to include:**
 - a truck and trailer combination

RANGE STATEMENT

Communication may include:

- verbal and non-verbal language
- active listening
- questioning to clarify and confirm understanding
- use of positive, confident and cooperative language
- use of language and concepts appropriate to individual social and cultural differences
- control of tone of voice
- body language

Securing devices may include:

- tarpaulins and load covers
- dogs and chains
- binders/straps
- webbing
- lashings and winches
- auto-tensioning devices

Primary controls may include:

- power
- brakes
- steering
- speed
- position
- load reaction
- gear selection

Subsidiary controls may include:

- differential lock
- centre tyre inflation (CTI) power dividers

Gauges and warning devices may include:

- alarms
- lights
- buzzers

Communication methods may include:

- two-way radio
- hands-free mobile phones

Records and reports:

- may include:
 - scheduling and coordination outcomes
 - log movement
 - despatch outcomes
 - storage locations
 - quality outcomes
 - hazards
 - incidents or equipment malfunctions
- may be:
 - manual
 - using a computer-based system or other

RANGE STATEMENT

appropriate organisational communication system

Unit Sector(s)

Not applicable.

Custom Content Section

Not applicable.