



Australian Government

Department of Education, Employment and Workplace Relations

TLIC2050A Operate a terminal tractor

Release: 1

TLIC2050A Operate a terminal tractor

Modification History

Not Applicable

Unit Descriptor

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This unit involves the skills and knowledge required to operate a terminal tractor safely and operate the associated equipment. Legislative, regulatory, permit or certification requirements are applicable to this unit.

Application of the Unit

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Driving must be carried out in compliance with the licence requirements, permit, and regulations of the relevant state/territory roads and traffic authority.

Operation is performed with limited or minimum supervision, and with accountability and responsibility for self and others in achieving the prescribed outcomes.

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

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1 Operate a terminal tractor

- 1.1 Vehicle is started, steered, manoeuvred, positioned and stopped in accordance with traffic regulations, manufacturers instructions and company policies
- 1.2 Engine power is managed to ensure efficiency and performance and to minimise engine and transmission damage
- 1.3 The vehicle is safely driven in reverse, maintaining visibility and achieving accurate positioning for the coupling to a trailer
- 1.4 Trailer is coupled, tug test is performed, legs are sufficiently raised from the ground and air and electrical leads connected in preparation for manoeuvring, in accordance with manufacturers instructions and relevant company policies
- 1.5 A clear travel path is identified and the coupled vehicle is moved and positioned in a manner safe for loading, unloading or parking in accordance with workplace instructions
- 1.6 Trailer legs are lowered sufficiently for unhitching, air and electrical leads are disconnected, turntable is released for uncoupling and vehicle is safely manoeuvred from underneath trailer
- 1.7 Vehicle lights and indicators are used in accordance with traffic regulations, manufacturers instructions and company policy
- 1.8 The vehicle is parked, shut down and is secured in accordance with manufacturers specifications, and workplace procedures
- 1.9 Vehicle positioning and movement are convenient and safe for loading and unloading in accordance with workplace instructions
- 1.10 All associated equipment is operated in accordance with manufacturers and workplace instructions

2 Monitor and maintain vehicle performance

- 2.1 Vehicle performance is safety maintained through pre-operational inspections and checks of the vehicle
- 2.2 Performance and efficiency of vehicle operation is monitored during use
- 2.3 The vehicle is driven in a manner that incorporates eco driving principles
- 2.4 Defective or irregular performance or malfunctions are repaired as a minor repair or reported to the appropriate authority
- 2.5 Vehicle records are maintained/updated and information is processed in accordance with workplace procedures

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

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

Required knowledge:

- Relevant road rules, regulations, permit and licence requirements of the relevant state/territory road traffic authority
- Relevant OH&S and environmental/emissions procedures and regulations
- Vehicle controls, instruments and indicators and their use
- Vehicle handling procedures
- Workplace driving and operational instructions
- Driving hazards and related defensive operating techniques
- Procedures to be followed in the event of a operating emergency
- Engine power management and safe operating strategies
- Efficient driving techniques
- Pre-operational checks carried out on vehicle and related action
- Differences between transmission types
- Principles of stress management when operating a vehicle
- Causes and effects of fatigue on drivers
- Factors which increase fatigue-related accidents
- Fatigue management strategies including on-road techniques
- Lifestyles which promote the effective long-term management of fatigue

Required skills:

- Communicate effectively with others when driving a terminal tractor
- Read and interpret instructions, procedures, information and signs relevant to the operating of a terminal tractor
- Interpret and follow operational instructions and prioritise work
- Complete documentation related to the operating of a terminal tractor
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when operating a terminal tractor
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems, faults or malfunctions that may arise when driving a terminal tractor in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unexpected events that may occur when operating a terminal

Required skills:

tractor

- Apply precautions and required action to minimise, control or eliminate hazards that may exist during the operation of a terminal tractor
- Monitor and anticipate traffic hazards and take appropriate action
- Modify activities depending on differing operational contingencies, risk situations and environments
- Apply fatigue management knowledge and techniques
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Operate and adapt to differences in equipment in accordance with standard operating procedures
- Monitor performance of vehicle and take appropriate action where required
- Check and replenish fluids and carry out lubrication processes in the course of work activities

Evidence Guide**EVIDENCE GUIDE**

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

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 and performance criteria of this unit and include demonstration of:
 - applying the underpinning knowledge and skills
 - demonstrating operation of a terminal tractor and its associated equipment
 - demonstrating an understanding of possible associated equipment for terminal tractor
 - demonstrating the ability to couple and uncouple a trailer
 - applying relevant legislation and workplace procedures

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment,

EVIDENCE GUIDE

	and/or
	access to an appropriate range of relevant operational situations in the workplace
	- In both real and simulated environments, access is required to: - relevant and appropriate materials and equipment, and - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
Method of assessment	- As a minimum, assessment of knowledge must be conducted through appropriate assessments using written/practical/oral assessments - Practical assessment must occur: - through activities in an appropriately simulated environment, and/or - in an appropriate range of situations in the workplace - A simulator/online assessment is not suitable for the final assessment of this unit of competency

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.

Terminal tractor may include :	- TUG - terminal tractor - prime mover
Operating a terminal tractor may be carried out in workplace situations, including:	- by day or night - in typical weather conditions - on a private road - while at a depot, base, wharf or warehouse - while at a client's workplace or work site
Vehicle handling procedures may include:	- starting a vehicle - eco driving - steering and manoeuvring a vehicle - accelerating and braking - positioning and stopping a vehicle

RANGE STATEMENT

- reversing a vehicle
 - operating vehicle controls, instruments and indicators
 - managing engine performance
 - hydraulic oil
 - lift of turntable
- Pre-operational checks may include:
- visual check of vehicle
 - checking and topping up of fluid levels
 - checks of tyre pressures
 - checks of operation of vehicle lights and indicators
 - checks of brakes
 - load and load restraints
 - check operation of associated equipment
- Minor routine repairs may include:
- replacement of blown globes in vehicle lights
 - replacement of broken fan belt
 - replacement of blown fuse
 - replacement of door mirrors
 - repairs to rear tail-light lens
 - changing of tyres
 - repair of tyre punctures
 - replacement of broken coolant hose
- Eco driving may include:
- engine management
 - brake management
 - ancillary brakes
 - gear selection
 - using air-conditioning only when necessary
 - not idling engine for extended periods when not in use
 - anticipating traffic flow to prevent driving at congested times
- Associated equipment may include:
- hydraulic turntable lift controls
 - air hoses
 - electrical leads
- Operating hazards may include (examples only):
- wet and iced surfaces
 - oil on surfaces
 - objects on surfaces
 - fire in vehicle
 - leaking fuel
 - lack of air
 - lack of hydraulic fluid
 - faulty brakes
 - faulty steering mechanism on vehicle

RANGE STATEMENT

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	• foggy conditions • time of day or night • company procedures • enterprise procedures • organisational procedures • established procedures
Documentation/records may include:	• state/territory driving licence requirements • state/territory road rules • workplace driving instructions and procedures • vehicle manufacturers instructions, specifications and recommended driving procedures including pre-operational checks of vehicle • emergency procedures • vehicle log book or record book (where required)
Applicable regulations, legislation and codes may include:	• relevant state/territory roads and traffic authority driving regulations and licence requirements pertaining to the class of vehicle • relevant state/territory road rules • relevant state/territory permit regulations and requirements • relevant state/territory OH&S legislation • relevant state/territory fatigue management regulations • relevant state/territory environmental protection legislation

Unit Sector(s)

Not Applicable

Competency Field

Competency Field	C - Vehicle Operation
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