



Australian Government

FBPSUG3004 Drive a master-slave locomotive

Release: 1

FBPSUG3004 Drive a master-slave locomotive

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to drive a master-slave locomotive in a cane railway system.

The unit applies to individuals who work in the sugar milling industry and are required to operate a slave locomotive.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Prerequisite unit of competency for this unit is:

- FBPSUG3001 Drive a cane locomotive

Unit Sector

Sugar milling (SUG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare and connect the slave locomotive for operation	1.1 Select, fit and use personal protective equipment according to health and safety procedures in the workplace 1.2 Identify and report health and safety hazards and operational maintenance requirements 1.3 Check workplace records to confirm operational status

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Set the remote control system according to operating requirements 1.5 Prepare slave locomotive and select required operating mode 1.6 Conduct pre-start checks according to operating procedures
2. Prepare and connect the master locomotive	2.1 Confirm the system is in link mode 2.2 Check control system and conduct system self-test to confirm that the system is operating effectively according to workplace procedures and manufacturer's guidelines 2.3 Confirm braking system is operating effectively 2.4 Establish and confirm total control of the system 2.5 Conduct pre-departure tests to confirm control system and locomotive equipment meet operating standards 2.6 Couple front and rear train safely to form a single train according to operating procedures
3. Start, operate and monitor locomotive	3.1 Start and operate master-slave locomotive according to transport requirements 3.2 Monitor condition of locomotive equipment according to operating procedures 3.3 Assess faults to determine risk of injury to personnel or damage to equipment 3.4 Take corrective action to address abnormal or unacceptable equipment condition or performance 3.5 Implement emergency procedures according to workplace procedures
4. Prepare for shift handover	4.1 Maintain workplace records according to workplace procedures 4.2 Carry out handover according to workplace procedures 4.3 Ensure changeover drivers are aware of locomotive and related equipment status, track conditions and incidents at completion of handover
5. Shut down locomotive	5.1 Follow shutdown procedures for master and slave locomotives 5.2 Confirm and complete shutdown sequence and secure locomotives according to operating procedures
6. Complete work	6.1 Record workplace information according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	6.2 Clean, store and park plant and equipment 6.3 Identify and report defects and faults according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret routine information on marshalling strategy, traffic schedule log and running sheets, and standard operating procedures
Oral communication	Speak clearly and use accurate terminology to communicate with others
Numeracy	Monitor and interpret system control indicators and data
Navigate the world of work	- Understand main tasks, responsibilities and boundaries of own role - Apply workplace procedures relevant to own role
Interact with others	Apply communication practices and protocols relevant to own role
Get the work done	- Complete tasks in required sequence and according to schedule - Apply decision-making processes to control hazards in routine situations - Use screen-based information technology - Make routine decisions to correct abnormal system performance and control hazards in routine situations - Recognise and respond to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

FBPSUG3004 Drive a master-slave locomotive	FDFSUG301A Drive a master-slave locomotive	Updated to meet Standards for Training Packages	Equivalent unit
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Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>