



Australian Government

FBPSUG3001 Drive a cane locomotive

Release: 1

FBPSUG3001 Drive a cane 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 prepare, start-up, operate and shut down a cane locomotive.

The unit applies to individuals who work in the sugar milling industry driving locomotives that may or may not be fitted with brake vans and may be single- or double-headed.

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

Nil

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 for locomotive operation	1.1 Identify and report hazards and maintenance requirements according to workplace procedures 1.2 Check workplace records to confirm operational status 1.3 Select, fit and use personal protective equipment according to workplace procedures 1.4 Carry out pre-operational checks and warm-up procedures of

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	locomotive and related equipment, confirm operational status of equipment, and report any faults according to workplace procedures 1.5 Conduct pre-departure checks to confirm locomotive and related equipment meet operating standards 1.6 Fit appropriate end of train tail flags and brake vans according to operating procedures
2. Start, operate and monitor locomotive	2.1 Obtain authority to move locomotive 2.2 Operate locomotive to meet transport requirements 2.3 Monitor locomotive, rake and related equipment to maintain optimum operating condition, and report operating faults or defects 2.4 Monitor operation against schedule, and communicate information as required to appropriate personnel
3. Analyse and respond to abnormal conditions and performance	3.1 Maintain safety of personnel and equipment in response to hazardous situations and conditions 3.2 Assess faults to determine risk of injury to personnel or damage to equipment 3.3 Take corrective action in response to hazards, abnormal or unacceptable equipment condition or performance 3.4 Implement emergency procedures according to workplace safety procedures
4. Prepare for shift changeover	4.1 Maintain workplace records according to workplace procedures 4.2 Carry out shift changeover 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 according to operating procedures 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 6.2 Clean, store and park plant and equipment according to workplace procedures 6.3 Identify and report defects and faults according to workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	requirements

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 workplace requirements, standard operating procedures and schedules relevant to job role
Oral communication	Speak clearly and use accurate terminology to communicate with others
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

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG3001 Drive a cane locomotive	FDFSUG206A Drive a cane locomotive	Updated to meet Standards for Training Packages Code changed to reflect AQF alignment	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

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

Assessment Requirements for FBPSUG3001 Drive a cane locomotive

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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 driven a cane locomotive in line with workplace contexts and demonstrated each of the following points at least once:

- selected, fitted and used personal protective equipment (PPE)
- reported health and safety risks and maintenance requirements in the workplace
- carried out all required pre-departure checks
- prepared the locomotive and related equipment
- safely operated a locomotive and associated equipment
- communicated with other personnel using required communication methods and equipment
- ensured safety of personnel and equipment
- taken corrective action in response to abnormal or unacceptable performance of control systems or operating equipment
- carried out a shift changeover
- safely shut down a locomotive
- completed workplace records
- cleaned and stored plant and equipment.

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:

- functions and operating principles of a locomotive and related equipment, including the layout and purpose of the principal mechanical, pneumatic and electrical systems of all equipment and components and impact of different alternatives on efficient performance
- safe operating capacities of equipment relevant to cane locomotive operations
- acceptable bin and rake condition

- methods used to render equipment safe to inspect, maintain or clean, including lock-out, tag-out and isolation procedures
- procedures for responding to unplanned events or emergencies including derailments, breakdowns, accidents or track damage
- safe operating conditions and speeds, including awareness of typical conditions and situations that are hazardous, and appropriate preventative action
- safety issues when parking/dropping off damaged bins or locomotives
- key health and safety requirements in the workplace:
 - health and safety hazards and associated control measures
 - manual handling procedures for operating a cane locomotive
 - correct use of PPE
- communication procedures, methods and equipment, including warning devices and signals
- reporting and recording responsibilities relevant to cane locomotive operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a cane railway system or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - locomotive and related equipment, including brake vans
 - relevant equipment required to carry out inspections, checks and monitoring
 - communications equipment
 - workplace information recording system
- specifications:
 - running slips and/or daily schedule
 - operating procedures and related advice on equipment operation
 - workplace procedures for safe work practices.

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

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