



Australian Government

FBPSUG2002 Lay rails for cane rail systems

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to prepare and lay rails in sugar cane haulage systems. It relates to construction of new track and repair of existing track that has been pre-welded to meet track design and construction specifications.

The unit applies to individuals who work under supervision in the sugar milling industry.

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. Plan and prepare work	1.1 Identify the location and scope of work according to specifications 1.2 Confirm and prepare materials required to complete the work to specifications 1.3 Carry out pre-operational checks, confirm operational status of equipment, and report any faults 1.4 Select, fit and use personal protective equipment as required

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Confirm that work is clearly signed according to safety procedures and that relevant authorities have been advised that work is in progress 1.6 Identify and remove potential hazards from construction area before commencing work
2. Lay rails	2.1 Position and align rail lengths to construction specifications 2.2 Fix rail lengths according to construction specifications
3. Complete work	3.1 Clear the construction area of debris according to workplace procedures 3.2 Store unused materials according to workplace procedures 3.3 Clean and store tools, plant and equipment according to workplace requirements 3.4 Record workplace information according to workplace 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
Numeracy	Estimate quantities of material requirements
Navigate the world of work	Understand responsibilities and boundaries of own role
Interact with others	Apply communication practices and protocols relevant to own role
Get the work done	- Complete tasks according to plan - 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
FBPSUG2002 Lay rails for cane rail systems	FDFSUG202A Lay rails for cane rail systems	Updated to meet Standards for Training Packages	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 FBPSUG2002 Lay rails for cane rail systems

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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 laid rails in line with workplace contexts and demonstrated each of the following points at least once:

- completed pre-operational checks of equipment and materials needed for rail laying
- applied safety procedures to prepare work area
- correctly selected, fitted and used personal protective equipment (PPE)
- confirmed rail lengths meet required design and construction specifications
- positioned and fixed rails to specification
- recorded rail laying information
- correctly communicated workplace information to relevant authorities
- cleared the work area and completed cleaning and storage tasks according to workplace requirements.

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:

- site operating procedures and practices for construction of railway systems
- steps in laying/repairing track
- functions and operating principles of track laying equipment
- the impact of the positioning and alignment of rails on related track laying operations
- the quality requirements of rails for use in rail systems
- common problems related to laying rails, and corrective action
- key health and safety requirements in the workplace:
 - safe work procedures
 - hazards related to track laying, and associated control measures
 - manual handling procedures for rail system construction

- correct use of PPE
- traffic control signage and communication procedures for rail system construction.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a cane rail system or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - materials handling equipment and relevant hand and power tools
 - rails and related materials
 - PPE
 - workplace information recording system
- specifications:
 - specifications, site and related project information
 - 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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