



Australian Government

FBPSUG2001 Lay sleepers 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 lay railway sleepers. It applies to constructing new track and repairing existing track in cane haulage systems.

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 materials required to complete the work are available to specifications 1.3 Confirm equipment status and carry out pre-operational checks according to operating procedures 1.4 Select, fit and use personal protective equipment as required 1.5 Follow safety procedures to confirm that work is clearly signed,

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and relevant authorities are advised that work is in progress 1.6 Inspect site and remove hazards before commencing work
2. Lay sleepers	2.1 Position sleepers to meet track laying specifications 2.2 Space sleepers and align as required for track construction
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 - Use communications equipment to communicate workplace information
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
FBPSUG2001 Lay sleepers for cane rail systems	FDFSUG201A Lay sleepers 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 FBPSUG2001 Lay sleepers 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 sleepers for cane rail systems in line with workplace contexts and demonstrated each of the following points at least once:

- carried out pre-operational checks of equipment
- estimated material requirements
- applied safety procedures to prepare work area
- selected, fitted and used personal protective equipment (PPE)
- laid, positioned and aligned sleepers to specifications
- correctly communicated workplace information using available communications equipment
- recorded sleeper laying information
- 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 involved in laying and repairing sleepers
- functions and basic operating principles of equipment used for laying sleepers
- impact of the positioning and alignment of sleepers on related track laying operations
- quality requirements of sleepers for use in rail systems
- common problems related to laying sleepers, and corrective action
- key health and safety requirements in the workplace:
 - health and safety hazards and associated control measures
 - manual handling procedures for railway system construction

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

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:
 - materials handling equipment and relevant hand and power tools
 - sleepers and related materials
 - PPE
 - communications equipment
 - workplace information recording system
- specifications:
 - specifications, site and related project information
 - operating procedures and related advice on equipment operation
 - workplace procedures, including 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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