



Australian Government

FBPSUG2005 Construct turnouts

Release: 1

FBPSUG2005 Construct turnouts

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 construct turnouts in sugar cane haulage systems. It relates to construction of new turnouts and repair of existing turnouts.

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

Prerequisite unit of competency for this unit is:

- FBPSUG2002 Lay rails for cane rail systems

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

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 Select, fit and use personal protective equipment as required 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. Construct turnouts	2.1 Position sleepers for turnouts in required position for track junctions 2.2 Fix base plates for switching to sleepers in specified locations 2.3 Position and fit switch rails to specification 2.4 Install switching gear to specification
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 - Count materials and fixings
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 according to plan - Apply decision-making processes to control hazards in routine

Skill	Description
	situations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2005 Construct turnouts	FDFSUG205A Construct turnouts	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 FBPSUG2005 Construct turnouts

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

- carried out operational checks of equipment
- estimated material requirements
- applied safety procedures to prepare work area
- selected, fitted and used personal protective equipment (PPE)
- prepared sleepers for turnout construction
- confirmed that switching gear is operational
- safely operated track laying equipment, related attachments, hand tools and pneumatic tools for track laying
- constructed turnouts to specification
- correctly communicated workplace information to relevant authorities
- cleared the work area, and completed cleaning and storage tasks according to housekeeping requirements
- recorded turnouts information.

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:

- track system layout and characteristics of each section
- functions and operating principles of equipment used for rail track construction
- the impact of turnout construction on related track laying operations
- factors that can affect turnout construction
- key health and safety requirements in the workplace:
 - health and safety hazards 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
- workplace cleaning standards for the work area.

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:
 - PPE
 - materials handling equipment and relevant hand and power tools
 - turnout construction equipment
 - trackwork
 - switching gear
 - 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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