



Australian Government

Department of Education, Employment and Workplace Relations

SUGTPST1A Prepare for shunting operations

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor

This is a Specialist unit. It covers the skills and knowledge required to prepare and direct the physical movement of rolling stock to meet requirements of the marshalling strategy.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

| Element | Performance criteria |
|--|---|
| 1. Plan and prepare for shunting operation | <ul style="list-style-type: none">1.1 Personal protective clothing and equipment is selected and used1.2 Health and safety hazards / maintenance requirements are identified and reported to appropriate personnel according to workplace reporting procedures1.3 Shunting requirements are interpreted from the marshalling strategy1.4 Vehicles and equipment are located and prepared in accordance with marshalling strategy1.5 Rolling stock movements, availability and locations are established in order to determine appropriate siding and/or track locations for vehicle placement |
| 2. Carry out shunting control procedures | <ul style="list-style-type: none">2.1 Points, levers, switches, signals and line of sight communications are used to assist the control of rolling stock movement2.2 Hand, light and radio shunting commands conform with operational and statutory requirements2.3 Consignment notes/tickets are checked and bins are located and sorted to comply with marshalling requirements2.4 Coupling and uncoupling procedures are carried out to attach and detach rolling stock |
| 3. Complete work | <ul style="list-style-type: none">3.1 Workplace information is recorded according to workplace recording requirements3.2 Tools, plant and equipment are cleaned and stored as required |

Required Skills and Knowledge

Not applicable.

Evidence Guide

Evidence guide

The assessment process must address all of the following items of evidence.

Ability to:

1. Interpret the marshalling strategy
2. Select, fit and use personal protective clothing and/or equipment
3. Identify equipment requirements and carry out pre-start checks
4. Plan shunting operations to meet requirements of the marshalling plan
5. Use electronic data transfer and capture systems for mobile data collection as required
6. Demonstrate hand signals. This includes use of lighting
7. Communicate with the locomotive operator to direct the positioning of rolling stock as required
8. Identify faults in bins and/or equipment
9. Take corrective action in response to abnormal or unacceptable quality of bins or rolling stock or equipment performance
10. Use appropriate communication methods and equipment
11. Report and/or record corrective action as required
12. Maintain workplace records
13. Maintain work area to meet housekeeping standards

May include ability to:

14. Conduct pre-start checks and start up brake vans

Knowledge of:

15. Relevant state OHS legislation, standards and codes of practice relating to work responsibilities
16. Safe work procedures including awareness of health and safety hazards related to work responsibilities and associated control measures. Typical hazards include working with moving machinery, manual handling and working in exposed conditions
17. Methods used to render equipment safe to inspect, maintain and/or clean including lock-out, tag-out and isolation procedures
18. Purpose and limitations of protective clothing and equipment
19. Functions and basic operating principles of equipment
20. The requirements of cut to crush sequencing of cane rakes
21. Acceptable locomotive, bin and rake condition and procedure for tagging and reporting bins requiring repair
22. Communication procedures, methods and equipment. This includes the meaning of hand and audible signals
23. Procedures for responding to emergency situations. This includes use of two-way radio system to report emergencies
24. Environmental issues and controls
25. Requirements to liaise/advise related work areas
26. Housekeeping standards for the work area
27. Reporting and recording systems

May include knowledge of:

28. Operating knowledge of compressors where brake vans are operated, including safe operation

Relationship with other standards

Pre-requisite units

There are no pre-requisite units for this competency standard.

Co-assessment of related units

Other units of competency relevant to the work role should be assessed in conjunction with this unit.

Resources required for assessment

Assessment must occur in a real or simulated workplace where the assessee has access to:

- Marshalling strategy
- Operating procedures and related advice on equipment operation
- Cane railway system
- Personal protective clothing and equipment
- Communication systems and equipment
- Housekeeping standards and procedures
- Workplace information recording systems, requirements and procedures

Assessment requirements

For information on how to assess this competency standard and who can assess, refer to the Assessment Guidelines for this Training Package.

Range Statement

Range statement

The range statement indicates the context for demonstrating competence. This statement is a guide and unless otherwise indicated, items may or may not apply as required by the work context.

- Work is carried out in accordance with company policies and procedures, licensing requirements, legislative requirements, codes of practice and industrial awards and agreements. Codes of practice include the Sugar Milling Operations Industry Code of Practice and sugar industry codes of practice related to cane railway and transport operations
- Workplace information can include Standard Operating Procedures (SOPs) and manufacturer's specifications
- Documentation and recording requirements may include marshalling strategy, documentation relating to the traffic schedule such as run slips and loco running sheets, log books and employee time sheets/records
- Cane transport network features and their characteristics may include main and branch lines, yards, sidings, loops, dump points and pads; and road transport delivery points where relevant
- Information systems may be print or screen based
- Locos may or may not be fitted with brake vans
- Confirming equipment status involves conducting relevant pre-start checks, confirming that all safety guards and equipment is ready and safe to operate
- Work may require the ability to work within a team environment

- Communication methods include use of two-way radios used in accordance with workplace requirements and state authority protocols
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Unit Sector(s)

Not applicable.