



Australian Government

Department of Education, Employment and Workplace Relations

SUGSLSP2A Lay sleepers

Revision Number: 1

SUGSLSP2A Lay sleepers

Modification History

Not applicable.

Unit Descriptor

Unit descriptor

This is a Specialist unit. It covers the skills and knowledge required to lay sleepers. It can apply to both construction of new track and repair of existing track.

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 work	1.1 The location and scope of work are identified 1.2 Materials required to complete the work are confirmed and available 1.3 Equipment status is confirmed and pre-operational checks are carried out 1.4 Personal protective equipment is selected, correctly fitted and used 1.5 Safety procedures are followed to confirm that work is clearly signed and relevant authorities are advised that work is in progress 1.6 Site is inspected prior to commencing work to identify and remove potential hazards
2. Lay sleepers	2.1 Sleepers are positioned to meet track laying specifications 2.2 Sleepers are spaced and aligned as required for track construction
3. Complete work	3.1 The construction area is cleared of debris 3.2 Unused materials are stored as required 3.3 Tools, plant and equipment is cleaned and stored as required 3.4 Workplace information is recorded according to workplace recording requirements

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 workplace information such as drawings and related instructions to identify the project requirements
2. Estimate material requirements for a given project
3. Assess operational status of equipment and carry out pre-operational checks
4. Position and align sleepers to meet specifications
5. Identify faulty operation of equipment
6. Identify unacceptable work outcomes
7. Take corrective action in response to abnormal or unacceptable performance
8. Use appropriate communication methods and equipment
9. Report and/or record corrective action as required
10. Maintain work area to meet housekeeping standards

May include ability to:

11. Operate sleeper handling equipment such as front end loaders

Knowledge of:

12. Relevant state OHS legislation, standards and codes of practice relating to work responsibilities
13. Site operating procedures and practices
14. Understanding of the steps involved in laying/repairing sleepers
15. Functions and basic operating principles of equipment used
16. The impact of the positioning and alignment of sleepers on related track laying operations
17. The quality requirements of sleepers
18. Common problems related to laying sleepers and corrective action required
19. Traffic control signage, communication and procedures
20. Safe work procedures including awareness of health and safety hazards related to track laying and associated control measures. This includes safe manual handling procedures
21. Purpose and limitations of protective clothing and equipment
22. Environmental issues and controls
23. Requirements to liaise/advise related work areas
24. Housekeeping standards for the work area
25. Reporting and recording systems

May include knowledge of:

26. Operating procedures for materials handling equipment

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. This may include:

- SUGSLRT2A Lay rails; and/or

- SUGSLST2A Lay skeleton track
- BCC3005A Conduct front end loader operations

Resources required for assessment

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

- Site and related project information
- Relevant codes of practice and industry standards
- Materials handling equipment and relevant hand and power tools
- Operating procedures and related advice on equipment operation
- Sleepers and related materials
- 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 drawings and plans, Standard Operating Procedures (SOPs) and manufacturer's specifications
- Cane railway 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
- Equipment and materials may include materials handling equipment such as front end loaders and cranes, hand tools, pneumatic tools, base plates, clips, dog spikes, anchors, screws, insulating biscuits and camber plates
- Information systems may be print or screen based
- 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 may include use of two-way radios
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Unit Sector(s)

Not applicable.