



Australian Government

Department of Education, Employment and Workplace Relations

TLIL4040A Plan and control daily train operations

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to plan and control daily train operations in accordance with workplace procedures and the requirements of relevant safeworking regulations and codes of practice. It includes developing a daily train plan, implementing daily train movements, monitoring the daily train plan, and maintaining all required documentation and workplace procedures. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

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Persons achieving competence in this unit will need to fulfil the applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines.

Work is performed under some supervision, generally within a team environment.

It involves the application of routine operational principles and procedures to the planning and control of daily train operations across a variety of operational workplace contexts within the Australian rail system.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

- | | |
|--|---|
| 1 Develop daily train plan | <ul style="list-style-type: none">1.1 The status of current daily train plan is established based on the proposed track movements, and possessions1.2 The current plan is amended if appropriate, to accommodate planned transportation movements priorities1.3 Contingency plans are developed to cater for unplanned events following company procedures1.4 Information relating to transportation movement within the area of movement is collated and analysed1.5 Safeworking standards, circulars, faxes and special train notices are checked for application according to workplace procedures1.6 Resource availability to accommodate planned transportation movements in daily plan and contingency plan is identified and resources are allocated according to workplace procedures1.7 Workplaces operational management system information is reviewed against observed status stock in accordance with workplace procedures |
| 2 Implement daily train movements | <ul style="list-style-type: none">2.1 Required authorities and instructions are prepared and issued in accordance with plan2.2 Traffic movements are directed to ensure optimum running according to train plan and workplace procedures2.3 Resource movements are coordinated according to train plan and workplace procedures |

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

- Applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines
- Relevant OH&S and environmental procedures and regulations including codes of practice for manual handling
- Workplace procedures for the planning and control of train operations, including: office and customer service, rostering, radio communication, completing relevant documentation, and procedures to be followed in the event of an emergency
- Train control diagrams and graphing

REQUIRED KNOWLEDGE AND SKILLS

- Timetabling principles
- System limitations
- Safeworking systems and requirements
- Rail system geography
- Yards, depots and station workings
- Restrictions relating to loads and conditions
- Draw gear capacities
- Operations coordination system
- Track characteristics and limitations
- Train journey requirements
- Relevant documentation requirements

Required skills:

- Communicate effectively with others when planning and controlling daily train operations
- Read and interpret instructions, procedures, information and signs relevant to the planning and control of daily train operations
- Interpret and follow operational instructions and prioritise work
- Document train operations and incidents
- Complete documentation or enter data related to the planning and control of daily train operations
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when planning and controlling daily train operations
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems, faults or malfunctions that may occur when planning and controlling daily train operations in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unanticipated situations that may arise when planning and controlling daily train operations
- Implement safeworking systems when controlling train operations
- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Monitor journey schedule
- Monitor work activities in terms of planned schedule
- Monitor and anticipate operational hazards and take appropriate action
- Modify activities depending on differing operational contingencies, risk situations and environments

Required skills:

- Apply fatigue management knowledge and techniques
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Select and use relevant equipment and diagrams when planning and controlling daily train operations
- Meet agreed workplace tolerances for train operations
- Adapt to differences in equipment in accordance with standard operating procedures

Evidence Guide**EVIDENCE GUIDE**

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:
 - the underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
 - access to an appropriate range of relevant operational situations in the workplace
- In both real and simulated environments, access is required to:
 - relevant and appropriate materials and equipment, and
 - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

- Assessment of this unit must be undertaken by a registered training organisation

EVIDENCE GUIDE

- As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests
- Practical assessment must occur:
 - through activities in an appropriately simulated environment at the registered training organisation, and/or
 - in an appropriate range of situations in the workplace

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

- | | |
|--|---|
| Operations may be conducted: | <ul style="list-style-type: none">• by day or night• in all relevant weather conditions |
| Work may be conducted in: | <ul style="list-style-type: none">• restricted spaces• exposed conditions• controlled or open environments |
| Work may involve exposure to: | <ul style="list-style-type: none">• chemicals• dangerous or hazardous substances• movements of equipment, goods and vehicles |
| The control of train operations within the defined rail network of the workplace embraces: | <ul style="list-style-type: none">• the movement of trains• related operating personnel• track machines• alternate transport arrangements |
| Unplanned events may include: | <ul style="list-style-type: none">• derailment• rail damage• illness• dangerous goods spillage• major equipment failure• fire• injury and fatality• earthworks• collisions• bomb threat• accidents• acts of nature |

RANGE STATEMENT

- overhead line damage
 - out-of-course running
 - energy disruptions
 - flood
 - obstructions
 - bridge damage
 - explosions
- Resources may include:
- motive power units
 - train crews
 - alternative forms of transport
 - rolling stock
 - fueling and servicing locations
- Internal customers may include:
- train crews
 - resource controllers
 - area controllers/signallers
 - workplace's emergency services
 - yard and station staff
 - crew transport service
 - engineering groups
 - train crewing personnel
 - adjacent control areas
 - business groups within the workplace
- External customers may include:
- business groups
 - private rail operators
 - contracted companies
 - general public
 - public emergency services
 - interstate rail groups.
- Communication forms may include:
- telephones
 - radio network
 - designated software and computer systems
 - facsimile
 - written notices
 - oral and signed communications and forms
- Authorisations may include:
- safe working and track possession authorities
- Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:
- company procedures
 - enterprise procedures
 - organisational procedures
 - established procedures

RANGE STATEMENT

Information/documents may include:

- applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines
- workplace procedures and job specification
- induction and training materials
- daily running records
- incident reports
- track possession information
- electronic management systems
- two-way radio operation procedures
- local instructions
- emergency procedures manual
- equipment operations manuals
- isolation and lock out procedures
- track speed, length and load limitations information
- conditions of service, legislation and industrial agreements including workplace agreements and awards

Applicable procedures and codes may include:

- relevant state/territory codes of practice and safeworking system requirements
- relevant Australian Standards
- relevant state/territory OH&S legislation
- relevant state/territory environmental protection legislation

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

L - Resource Management