



Australian Government

Department of Education, Employment and Workplace Relations

TLIP4039A Monitor transport operations

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to monitor transport operations and identify and report issues and possible improvements. It requires knowledge of transport strategies and methods for local, national and international contexts and regulatory requirements and organisational requirements. There are no specific licensing or certification requirements applicable to this unit.

Application of the Unit

Application of the Unit

Work may be undertaken in various contexts within the transport and logistics industry.

Work involves the responsibility for the monitoring of transport operations. Individuals must demonstrate the ability to work independently or as part of a team under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their outputs. All activities are carried out in accordance with relevant organisational policy and procedures.

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 Determine transport requirements	1.1 Organisational transport operations arrangements are accessed 1.2 Benefits and limitations of the organisations transportation modes are identified 1.3 The extent of in-house and outsourced transportation methods are confirmed 1.4 Cost benefits and customer service level between in-house and outsourced transportation methods are evaluated 1.5 Applicable legislative requirements are identified
2 Monitor unit loads and load building	2.1 Advantages and limitations of the available transport equipment and unit loads are determined 2.2 Transport mode options are analysed to determine organisational load application, efficiency and effectiveness 2.3 Unit loads and load building are monitored for compliance with legislative requirements and organisational policies and procedures 2.4 Issues or non-compliant practices are reported, according to organisational policies and procedures
3 Examine transport security requirements	3.1 Transport security risks are identified 3.2 Security contingencies are determined for use within the transport sector 3.3 Security breaches are reported and recommendations are made regarding security improvements, in accordance with organisational policies and procedures
4 Analyse transport costing	4.1 Statistical operational data is identified, to measure transport effectiveness 4.2 Organisations data capturing procedure is used in the management of transport, route planning and load building 4.3 Transport cost is analysed according to the organisational cost considerations 4.4 Transport performance effectiveness is measured 4.5 Transport cost elements, pricing and operating costs are evaluated, and recommendations are made regarding cost efficiencies where possible 4.6 Findings are reported according to organisational policies and 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:

- Relevant sections of national and state or territory legislation, regulatory requirements, and codes of practice/or guidelines as they relate to the level and type of transport operations
- Relevant OH&S and environmental procedures and guidelines
- Organisational policies and procedures, including those pertaining to effective monitoring and reporting of transport operations
- Principles of load building, to enable effective and efficient movement of load
- Software applications commonly used to assist in transport, route planning and load building to maximise cost efficiency

Required skills:

- Communicate effectively with others when monitoring transport operations
- Report security breaches
- Convey non-compliance issues
- Advise recommendations regarding possible improvements to transport operations
- Read and interpret relevant work requirements, policies, procedures and other information relevant to monitoring transport operations
- Complete documentation and provide reports related to monitoring transport operations
- Use numeracy skills to analyse transport cost elements, pricing and operating costs
- Work collaboratively with others, and adapt appropriately to cultural differences in the workplace
- Promptly report and/or rectify any identified problems that may occur when monitoring transport operations in accordance with applicable regulatory requirements and workplace procedures
- Monitor and anticipate operational problems, hazards and risks, including security breaches, and take appropriate action
- Modify activities dependent on differing workplace contingencies, situations and environments
- Monitor work activities in terms of planned schedule
- Interpret and apply relevant regulations and instructions
- Adapt own competence in response to any changes in activities when monitoring transport operations
- Identify and correctly use equipment required when monitoring transport operations

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

Context of and specific resources for assessment

- Competency should be demonstrated on at least one occasion covering the scope of the unit of competence
- 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
- 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, 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.

RANGE STATEMENT

- Transport operations may include:
- transport modes:
 - road/rail/air/sea
 - national/international
 - transportation methods and strategies:
 - combination
 - full loads
 - partials
 - transport systems and infrastructure:
 - hub
 - spoke
 - intermodal
 - ports
- Applicable legislation and regulations may include:
- licensing
 - OH&S
 - environmental sustainability
 - load limitations
 - permits
 - transport configuration
 - dangerous goods and hazardous substances
 - fatigue management
- Load applications may include:
- handling requirements
 - quantities
 - hazard management
 - safe working load limit (SWL) or (SWLL)
- Organisational policies and procedures may include:
- OH&S
 - environmental sustainability
 - documentation requirements
 - security procedures
 - reporting procedures
 - business operations/objectives and targets
 - customer service standards
- Transport security risks may include:
- spillage/leakage
 - timing of transportation
 - storage/handling requirements
 - public safety
 - accident prevention
 - pilferage
 - robbery
 - breakdowns

RANGE STATEMENT

- Cost considerations may include:
- transport mode
 - demurrage
 - timing
 - staff costs
 - client/customer demand
 - transport volumes and throughputs
 - fuel costs
- Transport performance effectiveness may include:
- fuel measures
 - fuel consumption
 - driver training
 - carbon emission
 - maintenance cost
 - maintenance measure
 - fatigue management
- Data capturing may include:
- standard operating procedures (SOP)
 - software
 - global positioning system (GPS)

Unit Sector(s)

Not Applicable

Competency Field

Competency Field P - Administration and Finance