



Australian Government

TLIU3011 Implement and monitor environmentally sustainable work practices

Release: 2

TLIU3011 Implement and monitor environmentally sustainable work practices

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to implement improvements and to monitor sustainable work practices, including developing processes and tools.

It includes investigating current practices in relation to resource usage, setting target improvements, implementing performance improvement strategies and monitoring performance.

It applies to those who have responsibility for a specific area of work or who lead a work group or team.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

U – Environment

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 Investigate current practices in relation to resource usage | 1.1 Environmental regulations applying to the organisation are identified |
| | 1.2 Procedures for assessing compliance with environmental regulations are assessed |
| | 1.3 Information on environmental and resource efficiency systems and procedures is collected and provided to work group as required |
| | 1.4 Current resource usage of work group members and organisation within own area of responsibility, is measured and documented |
| | 1.5 Current purchasing strategies are analysed and documented |
| | 1.6 Current work processes are analysed to access information and data and assist in identifying areas for improvement |
| 2 Set target improvements | 2.1 Input is sought from stakeholders, relevant personnel and specialists |
| | 2.2 External sources of information and data are accessed as required |
| 3 Implement performance improvement strategies | 3.1 Techniques/tools are sourced to assist in achieving targets |
| | 3.2 Continuous improvement strategies are applied to own work area of responsibility, and ideas and possible solutions are communicated to work group and management |
| | 3.3 Work group environmental and resource efficiency improvement plans are integrated with other operational activities and implemented |
| | 3.4 Work group members are trained in new procedures to facilitate environmental and resource efficiency improvements as required |
| | 3.5 Suggestions and ideas about environmental and resource efficiency management are sought from stakeholders and acted upon where appropriate |
| | 3.6 Costing strategies are implemented to fully value |

environmental assets

- | | |
|------------------------------|--|
| 4 Monitor performance | 4.1 Outcomes are documented and feedback is provided to relevant personnel and stakeholders |
| | 4.2 Strategies are evaluated |
| | 4.3 New targets are set, and new tools and strategies are investigated and applied |
| | 4.4 Successful strategies are promoted and, where possible, participants are rewarded |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIU3011A Implement and monitor environmentally sustainable work practices.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIU3011 Implement and monitor environmentally sustainable work practices

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- analysing effectiveness of approaches taken
- applying change management techniques
- applying quality assurance practices
- communicating effectively when questioning, listening and liaising with others
- identifying and measuring current resource use
- identifying and minimising hazard and risks
- implementing and monitoring organisational strategies to improve environmental practices and resource efficiency
- organising work practices safely and efficiently
- reading and interpreting organisational policy and environmental and energy efficiency requirements
- setting targets to improve environmental practices and resource efficiency
- solving complex problems
- using emergency and personal protective equipment (PPE) appropriately
- using information technology and computer software to complete tasks
- working in a team to consult on and validate policy
- writing reports for a range of audiences that use precise expression, clear language and a logical structure.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- environmental issues relating to:
 - life cycle of products: re-new, re-use and recycle
 - relevant environmental regulations

- renewable energy
- workplace/site
- features required for an environmental management strategy:
 - contract requirements
 - energy efficiency systems and procedures
 - environmental education
 - internal and external audit
 - monitoring personnel performance following training
 - past and future reviews and audits relating to environmental management
 - quality control checks relating to environmental management
 - recycling requirements
 - review of effectiveness of new procedures and processes
 - targets, such as carbon emissions reduction, cleaner production, lean management
 - training outline
 - waste minimisation
 - waste prevention
 - work procedures
- how to adjust communication to suit different audiences
- how to work with different points of view and dissenting stakeholders
- principles, practices and available sustainability management tools and techniques relevant to the transport and logistics industry context, such as:
 - correct use of equipment and vehicles, in accordance with environmental protection regulations and guidelines
 - maintenance and servicing
 - minimising fuel consumption
- service requirements for transport and logistics, including:
 - duty of care
 - legislation, regulations and codes of practice applicable to specific transport and logistics management functions
 - market principles
 - material recovery opportunities and market availability
 - organisational requirements and structure, including workplace communications channels and procedures
 - planning and related approval processes
 - quality assurance systems relevant to transport
 - relevant competency
 - relevant organisational policies, procedures and protocols
 - resource recovery infrastructure needs
 - stakeholder identification
 - supply chain procedures

- training staff
- transport and logistics options and best practices.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

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