



Australian Government

TLIX0057 Conduct maintenance on deployed operations

Release: 1

TLIX0057 Conduct maintenance on deployed operations

Modification History

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 conduct maintenance on deployed operations

It includes analysing maintenance requirements, managing maintenance support and forecasting repair parts requirements.

This unit is applicable to logistics personnel responsible for organising and managing delivery of maintenance support in a field deployment context.

The unit will usually be applied in a frontline maintenance facility supporting equipment maintenance, repair and recovery to support organisational operations.

People who undertake this unit will usually be a technician or have an engineering background. This role requires management and leadership skills.

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

Pre-requisite Unit

Not applicable.

Competency Field

X – Logistics

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 **Analyse maintenance requirement**

1.1

Maintenance tasks are received and analysed for operational maintenance requirements

		1.2	Information is sourced and analysed to identify maintenance factors to be considered in supporting operations
		1.3	Logistics information management systems are utilised in scheduling and coordinating maintenance
		1.4	Workshop equipment maintenance is scheduled within constraints of delivering support, as required
		1.5	Considerations for production/maintenance planning are applied to derive most efficient employment of maintenance equipment and personnel
		1.6	Maintenance support enabling components are identified and established
		1.7	Instructions are prepared and delivered to implement and coordinate maintenance support
		1.8	Risk analysis is conducted to identify and mitigate against unacceptable risks
		1.9	Repairability of equipment is determined and technical advice is provided to management and stakeholders
		1.10	Backloading of unrepairable equipment is organised in accordance with organisational policies and procedures
2	Manage maintenance support	2.1	Maintenance technical policies and procedures are applied when conducting maintenance support
		2.2	Work health and safety (WHS)/occupational health and safety (OHS) requirements and recognised safety precautions are applied throughout operation in accordance with standard procedures
		2.3	Maintenance personnel are supervised, and efficiently and effectively employed within their area of speciality

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| | | 2.4 | Repair or recovery support requests are received and appropriate response is developed to support task |
| | | 2.5 | Maintenance effort is monitored to ensure workload is effectively distributed across maintenance organisation |
| | | 2.6 | Operational or organisational constraints are recognised and maintenance tasks are directed to align with these constraints |
| | | 2.7 | Maintenance activity is monitored to ensure maintenance organisations are conducting activity with appropriate authority and in accordance with organisational policies and procedures |
| | | 2.8 | Liaison with agencies involved in operation, maintenance and supply chain is carried out to ensure most effective coordination of effort |
| | | 2.9 | Maintenance support priorities are set to align maintenance support activities with organisational objectives |
| | | 2.10 | Management and stakeholders are advised when significant issues or developments arise that may adversely impact on technical integrity of material within the organisation |
| | | 2.11 | Maintenance records are maintained and entered into information systems |
| 3 | Forecast repair parts requirements | 3.1 | Repair parts agencies are liaised with to coordinate provisioning of repair parts to meet forecast maintenance requirements |
| | | 3.2 | Supply and demand of repair parts is monitored to ensure repair parts and materials are available to support maintenance activities |
| | | 3.3 | Management of repair parts records are monitored to ensure visibility over repair parts to support maintenance planning |

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIX5043 Conduct maintenance on deployed operations.

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 TLIX0057 Conduct maintenance on deployed operations

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Performance Evidence

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

- applying maintenance planning tools to inform maintenance support planning
- applying maintenance support planning knowledge when planning support
- applying planning processes
- communicating technical advice
- delivering clear, concise, and accurate instructions
- identifying relationships between organisational goals and recognising how own planning contributes to achieving these goals
- liaising with external agencies to coordinate maintenance support
- preparing maintenance reports
- providing maintenance advice to managers and stakeholders
- supervising maintenance personnel
- using information management systems.

Knowledge Evidence

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

- backloading management principles
- backlog management principles
- consideration of reliability, availability and maintainability factors
- controlled parts exchange and salvage policies and procedures
- grades of repairability
- legislative and regulatory requirements
- likely consequences of terrain and weather on material
- lines of maintenance support
- maintenance policies and procedures including:
 - advisory bulletins
 - different types of maintenance support
 - planning processes

- repair parts and supply
- technical regulations
- maintenance role relevant to integrated logistics support
- material maintenance plan
- repair parts policy as it relates to authorisation to fit and configuration control
- workflow management principles
- workshop production management principles.

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:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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