



**Australian Government**

# **TLIX4027 Assess maintenance spares and manage repairable items**

**Release: 1**

# TLIX4027 Assess maintenance spares and manage repairable items

## 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 assess spares and manage repairable items in maintenance activities in accordance with relevant organisational policy and procedures, and relevant regulations.

This unit was developed for materiel sustainment specialists working within materiel logistics but is applicable to individuals in broader logistics roles.

Typically these individuals 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.

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. |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|

- |                                    |                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>1 Perform spares assessment</b> | <b>1.1</b> Organisation spares assessment and supply information systems are identified and applied |
|------------------------------------|-----------------------------------------------------------------------------------------------------|

- |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>activities</b>                | <ul style="list-style-type: none"><li>1.2 Maintenance data, spares usage data and trends are monitored, and required holdings of spares are varied as required</li><li>1.3 Spares availability problems are identified and strategies are determined to resolve problems</li><li>1.4 Acceptable sources of suitable substitute parts are identified and requirements for documentation are specified in accordance with organisational policy and procedures</li><li>1.5 Configuration management requirements are observed in spares assessing</li></ul> |
| <b>2 Manage repairable items</b> | <ul style="list-style-type: none"><li>2.1 Maintenance and reliability data is monitored and changes to maintenance programs are proposed as required</li><li>2.2 Documentation is raised to allocate repairable items to maintenance facilities in accordance with contractual requirements, and organisational policy and procedures</li><li>2.3 Specific investigation or additional maintenance requirements are determined</li></ul>                                                                                                                  |
| <b>3 Maintain records</b>        | <ul style="list-style-type: none"><li>3.1 Data for input to integrated logistics support (ILS) records is provided as required</li><li>3.2 Systems, procedures and records associated with documenting performance are managed in accordance with organisational requirements</li></ul>                                                                                                                                                                                                                                                                   |

## 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 TLIX4027A Assess maintenance spares and manage repairable items.

## 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 TLIX4027 Assess maintenance spares and manage repairable items

## Modification History

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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:

- adhering to relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- administering spares, services contracts and their deliverables effectively
- analysing and interpreting assessment information to determine where internal and external factors impact on assessing spares and managing repairable items
- communicating with stakeholders
- consulting and negotiating with internal and external stakeholders effectively and resolving potential areas of conflict or concern to ensure overall objectives are achieved
- drawing on information from a variety of sources using research, analysis and judgement to develop assessment requirements
- identifying relationships between organisational goals and recognising how own work contributes to achieving these goals
- initiating and efficiently monitoring processes
- initiating remedial action required
- managing materiel sustainment operations effectively and efficiently
- preparing and providing relevant reports and documentation
- undertaking procurement activities
- using appropriate information technology and software to assess and manage repairable items
- using organisational strategic objectives to identify long-term factors and external considerations.

## 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:

- codification and cataloguing processes
- configuration management
- industrial base capability
- integrated logistics support
- legislative and regulatory environment, including environmental and sustainability issues
- logistics governance
- logistics support analysis principles and processes
- management processes
- materiel sustainment
- organisational policy and procedures
- organisational role relevant to materiel sustainment
- performance measurement
- product knowledge related to systems and/or equipment in service in the organisation
- safety, legislative and statutory requirements, including relevant environmental and sustainability issues.

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- computer and relevant software
- legislation, guidelines, procedures and protocols relating to spares and repairable items
- maintenance plans.

## Links

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