



Australian Government

Department of Education, Employment and Workplace Relations

TLIX5014A Manage materiel sustainment operations

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to prepare for materiel sustainment operations, to manage those operations throughout the materiel life cycle and to report on those operations in the organisational environment. Materiel systems are a composite of equipment, skills and techniques capable of performing or supporting an operational role, or both. A complete materiel system includes all equipment, related facilities, materiel, software, services and personnel required for its operation and support, to the degree that it can be considered self-sufficient in its intended operational environment. There are no specific licensing or certification requirements applicable to this unit.

Application of the Unit

Application of the Unit

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

Typically these 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 Identify materiel sustainment management requirements	1.1 Sources of information relevant to materiel sustainment are identified and obtained in accordance with organisational policy and procedures 1.2 Currency of information is reviewed and documented in accordance with organisational policy and procedures 1.3 Materiel sustainment management requirements are defined and documented in accordance with organisational policy and procedures
2 Develop materiel sustainment management operations	2.1 Consultation with stakeholders is conducted in accordance with organisational policy and procedures 2.2 Materiel sustainment operations are developed and recorded taking into account materiel and/or materiel system in accordance with organisational policy and procedures 2.3 Key performance indicators are developed and documented in accordance with organisational policy and procedures 2.4 Costing analysis processes are developed and documented in accordance with organisational policy and procedures
3 Apply materiel sustainment management operations	3.1 Materiel sustainment risks and impacts are identified, recorded and managed 3.2 Materiel sustainment procedures are applied in accordance with legislative requirements 3.3 Management operations are carried out in accordance with organisational policy and procedures 3.4 Failures and variances are documented, reported and managed in accordance with organisational policy and procedures 3.5 Participation and contribution to materiel sustainment activities are established and maintained
4 Review materiel sustainment operations	4.1 Performance systems and processes are monitored and analysed to assess progress in achieving plans and targets 4.2 Systems, procedures and records associated with documenting performance are managed in accordance with the organisation's requirements 4.3 Materiel sustainment operations are reviewed in accordance with organisational policy and procedures 4.4 Changes required are identified and prepared in accordance with organisational policy and procedures 4.5 Amendments to materiel sustainment operations are incorporated into plans and promulgated to relevant stakeholders, in accordance with organisational policy 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:

- Codification and cataloguing processes
- Industrial base capability
- Legislative and regulatory environment as it pertains to materiel logistics, including environmental, 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 environmental, sustainability issues relevant to materiel sustainment

Required skills:

- Apply materiel sustainment and project management knowledge to relevant materiel sustainment operations
- Consult and negotiate with stakeholders (both internal and external) and resolve any potential areas of conflict or concern to ensure that overall objectives are achieved
- Demonstrate an understanding of the strategic objectives of the organisation, and identify long-term factors and external considerations that need to be taken into consideration when managing materiel sustainment operations
- Display resilience by continuing to move forward despite criticism or setbacks
- Identify the relationship between organisational goals and recognise how own work contributes to the achievement of those goals
- Manage obsolescence by ensuring implications of obsolescence are taken into consideration, and determining and implementing an obsolescence management strategy in accordance with policy and procedures
- Manage procurement activities occurring in the materiel sustainment environment
- Undertake performance measurement to enable objectives to be measured against defined

Required skills:

parameters

- Undertake research and analysis to investigate internal and external factors that impact on the materiel sustainment program
- Use appropriate information technology and software

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

- Assessment must confirm the ability to:
 - adhere to relevant occupational health and safety requirements
 - identify and establish materiel sustainment operation processes
 - identify, acquire and adjust resources as necessary to ensure effective and efficient performance of the processes
 - initiate and efficiently monitor processes
 - initiate any remedial action required
- Competency should be demonstrated over time and should be observed in a range of actual or simulated work contexts

Context of and specific resources for assessment

- Competency should be assessed in the workplace or in a simulated workplace environment
- Access is required to:
 - computer and relevant software
 - legislation, guidelines, procedures and protocols relating to materiel sustainment
 - plans
 - workplace documentation

Method of assessment

- Assessment of this unit must be undertaken by a registered training organisation
- Where possible, assessment should be supported by questions to assess required knowledge. Questioning techniques should suit the language and literacy levels of the candidate

EVIDENCE GUIDE

- Assessment methods should reflect workplace demands such as literacy and the needs of particular groups
- Assessment methods suitable for valid and reliable assessment of this unit of competency may include a combination of methods such as:
 - authenticated evidence from the workplace and/or training programs
 - case studies
 - demonstration
 - feedback from supervisors and peers regarding the candidate's ability
 - observation
 - portfolios
 - projects
 - questioning
 - reviews or reports prepared by the candidate
 - scenarios
 - simulation or role plays

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.

Sources of information may include:

- conceptual documents
- contractors
- legislation
- managers
- peers
- plans
- policies
- publications
- reference material
- standards
- supervisors
- suppliers

Materiel sustainment may include: • the management and provision of products and services

RANGE STATEMENT

needed to meet the preparedness and performance requirements of a materiel system from the time of acceptance into operational service until disposal at minimised life cycle cost. Material sustainment may also be referred to as asset management and includes components of: sustainment management, engineering support, maintenance support, supply support and planning for disposal and/or carrying out end of life tasks

Organisational policy and procedures may include:

- Australian Standards
- international standards
- logistics support analysis
- organisational instructions and standards
- through life support

Stakeholders may include:

- capability manager
- contractors
- customers
- project managers
- regulators
- regulatory authorities
- subordinates
- supervisors
- suppliers
- team members

Materiel may include:

- all items (including ships, tanks, self-propelled weapon, aircraft etc. and related spares, repair parts and support equipment but excluding real property, installations and utilities) necessary to equip, operate, maintain and support designated activities without distinction as to its application for administrative or operational purposes

Logistics support analysis is:

- the process for identifying and analysing the functional supportability requirements consistent with the goals of the integrated logistic support program. Logistics support analysis also describes the process for the coordinated development of logistics related task data, and the processing of that data to define logistics resource requirements. Logistics support analysis defines the analytical process for the preparation for in-service support and disposal, and the interface with Supportability Assessments (Supportability Test and Evaluation)

Key performance indicators may include:

- costs
- milestones
- production

RANGE STATEMENT

- Costing may include:
- resources
 - scheduling
 - timings
 - labour
 - life cycle costs
 - money
 - outlay of expenditure
 - resources
 - time
- Legislative requirements may include:
- regulations related to such matters as export and import licensing, taxes and duties
 - relevant federal, state and local government legislation and regulations including certification requirements
- Promulgated may include:
- authorised
 - documented
 - endorsed
 - issued
 - published

Unit Sector(s)

Not Applicable

Competency Field

Competency Field X - Logistics