



Australian Government

TLIX5015 Establish supply chains

Release: 1

TLIX5015 Establish supply chains

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 establish and develop a strategy and model for supply chain management in accordance with relevant organisational policy and procedures.

Establishing and developing supply chains in the materiel system are integral supports to the stated capability requirement.

This unit was developed for materiel logisticians 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. All activities are carried out in accordance with relevant organisational policy and procedures.

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 Determine supply

1.1 Supply chain components are identified and their links and

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| chain requirements | inter-relationships are analysed in accordance with organisational policy and procedures |
| | 1.2 Communication, data access, information sharing and technology requirements for an integrated supply chain are determined |
| | 1.3 Requirements for collaborative planning, forecasting and tailored supply chains are identified |
| | 1.4 Supply chain requirements are documented in accordance with organisational policy and procedures |
| 2 Determine supply chain management strategy | 2.1 Outsourcing, choice of suppliers and partners, reshaping contractual relationships and the performance of the entire supply chain rather than individual supply chain segments are covered by strategies |
| | 2.2 Matching supplier capability to customer requirements including strategies to optimise electronic information sharing and inventory risk management, and to minimise environmental impacts is included in strategies |
| | 2.3 Strategies to build effective customer supplier relationships are identified |
| | 2.4 Customer satisfaction requirements across the supply chain continuum are included in performance management strategies |
| | 2.5 Strategic alliances, electronic business and electronic data interchange are included in supply chain management strategies |
| | 2.6 Legal, ethical, environmental and security issues relating to supply chain management are addressed in supply chain management strategies |
| | 2.7 Integration of supply chain processes into existing business processes is included in strategy |
| 3 Develop supply chain management model | 3.1 Supply chain management options are researched, and strengths and weaknesses of each option are identified |
| | 3.2 Supply chain management models are investigated and their requirements are analysed and compared with supply chain capability and culture |
| | 3.3 Model for supply chain management is developed that meets organisational needs including information flow, collaborative planning and forecasting, in accordance with the organisation's |

supply chain management strategy

- 3.4 Supply chain management model is developed to support reduced inventory footprints, operating costs, faster cycle times and greater customer satisfaction rates

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 TLIX5015A Establish supply chains.

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 TLIX5015 Establish supply chains

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
- analysing and evaluating information, and determining how it may be impacted by the supply chain or how the supply chain might be impacted by the information being considered
- analysing supply chain requirements
- applying logistics and project management knowledge when establishing supply chains
- communicating with stakeholders
- consulting and negotiating with internal and external stakeholders and resolving potential areas of conflict or concern to ensure overall objectives are achieved
- displaying resilience by continuing to move forward despite criticism or setbacks
- identifying relevant information from integrated logistics support program and materiel sustainment program that is relevant to establishing supply chains
- identifying relationships between organisational goals and recognising how own work contributes to achieving these goals
- identifying requirements for plans and adjusting them as necessary to ensure effective and efficient performance
- initiating and efficiently monitoring processes
- initiating remedial action required
- preparing and providing relevant reports and documentation
- sourcing information on best practice approaches adopted in public and private sectors, showing insight into how industry operates and business drivers that influence industry with their dealings
- undertaking performance measurement to enable objectives to be measured against defined parameters
- using organisational strategic objectives to identify long-term factors and external considerations for establishing a supply chain.

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
- industrial base capability
- integrated logistics support
- international agreements
- interoperability
- legislative and regulatory environment, including relevant environmental and sustainability issues
- logistics governance
- logistics support analysis principles and processes
- materiel sustainment
- organisational policy and procedures
- organisational role relevant to supply chains
- performance measurement
- planning processes
- product knowledge related to systems and/or equipment in service in the organisation
- safety, legislative and statutory requirements, including relevant environmental and sustainability issues
- supply chain concepts.

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 materiel logistics
- supply chain plans.

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