



Australian Government

Assessment Requirements for MEM234037

Perform maintenance-related integrated logistic support management activities

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM234037A Perform maintenance-related integrated logistic support management activities.

Performance Evidence

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

- populating and extracting data from databases and reviewing data against established baselines and initiate required actions
- applying data from design sources including configuration management (CM) data
- performing task analysis and specifying maintenance activities and timelines on at least two occasions
- identifying and documenting technical and technical documentation requirements for maintenance facilities on at least two occasions
- revising maintenance plan against baseline changes including applying integrated logistic support (ILS) principles
- developing and managing a technical data management system including monitoring relevance of data and initiating required amendment action.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

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

- ILS management and support philosophy and practice
- sources of technical data for logistics plans
- life cycle cost analysis and factors that give rise to costs through to life of type including:
 - operation, engineering, maintenance and supply support
 - facilities and personnel costs.
- logistic support analysis concepts and methods including:
 - preparation of logistic support analysis plans
 - management and conduct of logistic support analysis programs
 - supportability analysis
 - task analysis

- logistic support analysis record population
- reliability, availability and maintainability (RAM) determination and application including:
 - baseline determination and application
 - RAM modelling
 - reliability and maintainability apportionment
- performance of level of repair analysis (LORA) and development of maintenance plans and associated requirements
- ILS standards and references
- data management concepts and methods including features of a technical data management system.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing maintenance-related integrated logistic support management activities at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015 or its replacement* and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring State as the case requires.
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions that cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications.
- 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.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>