



Australian Government

Assessment Requirements for DEFMIL089

Shift loads manually utilising non-motorised equipment

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- calculating using basic formulae and measuring
- using knots and lashings
- splicing and maintaining cordage and steel wire rope (SWR)
- handling materials and identifying manual handling risks
- using manual handling equipment to shift loads
- using slings and securing devices
- following instructions/directives and reporting information
- using a variety of verbal and non-verbal communication techniques including language style, active listening
- completing workplace forms and reports
- calculating total weights of individual items and estimating overall load and comparing with safe working load(s) of equipment
- shifting loads of weights up to 500 kg using at least three different methods:
 - chain blocks
 - flatbed hand trucks
 - hand trucks
 - incline planes
 - levers
 - mechanical aids and field machines
 - pallet trolleys
 - rollers

- slab trolleys
- utilising load shifting equipment:
 - anchorages
 - cables
 - chains
 - cordage
 - crow bars
 - measuring tape/rule
 - mechanical aids
 - packers
 - slings
 - SWR
 - wedges
- utilising mechanical aids and field machines:
 - block and tackle, pulleys
 - gins, sheers and derricks
 - hand operated winches
 - improvised methods including Spanish windlass and par buckles
 - jacks
 - use of expedient materials such as materials obtained on the job from resources available in the local environment
- using slinging devices in conjunction with a load shifting activity using a field machine
- calculating safe working limits and working load limits of anchors, load attachment points and lifting/moving equipment
- constructing field machines and mechanical aids
- safely strapping, slinging, lifting and moving loads without damage to the load, equipment or personnel
- identifying faults and deficiencies and taking action to rectify any problems
- communicating effectively and work in a team

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- types of construction materials and their characteristics
- workplace and equipment safety requirements including relevant WHS regulations, codes and standards applying to load shifting
- handling requirements for different types of material and loads
- storage requirements for different materials
- use of tools and equipment relevant to shifting loads
- pulling and lifting equipment relevant to manual handling operations

- appropriate anchor points for locating slings and anchorages
- estimation/calculation of weights
- principles of team work
- techniques for supporting others
- composition of teams and roles and responsibilities of team members
- verbal and nonverbal communication techniques including language style, active listening

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

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