



Australian Government

DEFMIL089 Shift loads manually utilising non-motorised equipment

Release: 1

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Modification History

Release	Comments
1	This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to DEFCA318 Shift loads manually utilising non-motorised equipment. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required to manually shift construction materials and other loads of up to 500kg in weight that are unable to be moved by motorised lifting equipment such as forklifts.

Loads may be moved with equipment such as chain blocks, jacks and winches, which provide mechanical advantage. Alternatively, devices such as slings, gins, derricks and sheers may need to be constructed to provide the mechanical advantage necessary to lift and move the load. Loads will need to be prepared for movement using a range of ancillary devices such as strapping, netting, ropes and chains.

This unit was developed for combat engineer personnel required to shift loads manually utilising non-motorised equipment in a deployed operational environment, but is applicable to any individual in this field of work.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would typically work as part of a team under direct supervision. They use discretion and judgement, and take responsibility for the quality of their outputs. They would perform routine tasks in a broad range of contexts.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Military Skills

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Plan and prepare to shift the load	1.1 Select and wear personal protective equipment. 1.2 Identify the type of load, safe working load and working load limits, and the distance and/or height to be moved from job instructions. 1.3 Determine condition, length, bulk, weight, most appropriate method to shift the load and resources required. 1.4 Record any damage to load and report to supervisor. 1.5 Develop a movement plan to identify potential difficulties and request approval for the method of shifting the load and any requirement for additional personnel from the supervisor. 1.6 Select and check for serviceability tools, load shifting equipment and other materials and report any defects to the supervisor. 1.7 Prepare work site to ensure sufficient clear space is available.
2. Shift the load	2.1 Break down load to allow handling and moving a number of single items to ensure the maximum weight of 500 kg is not exceeded. 2.2 Use mechanical strapping equipment and other securing devices to stabilise the load. 2.3 Sling/unslung the load using the correct securing devices. 2.4 Construct mechanical aids and field machines by the approved shifting method, so that the load can be shifted. 2.5 Identify and maintain safe working limits for lifting equipment. 2.6 Move load in accordance with approved shifting method and steadied by tag lines and store and stack in relocated position. 2.7 Report any part of the load that is damaged during the lift to the supervisor.
3. Refurbish equipment and work site	3.1 Clean site and clear of debris and unwanted material. 3.2 Clean, inspect, service, maintain and store field machines, tools and equipment. 3.3 Complete documentation.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to DEFCA318 Shift loads manually utilising non-motorised equipment.

Links

- Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>
- 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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