



Australian Government

MEM11021 Perform advanced operation of load shifting equipment

Release: 1

MEM11021 Perform advanced operation of load shifting equipment

Modification History

Release 1. Supersedes and is equivalent to MEM11021B Perform advanced operation of load shifting equipment

Application

This unit of competency defines the skills and knowledge required to determine lift and load requirements, work within areas of restricted movement or conditions of restricted visibility, identify loads that need special care, and operate forklifts in special traffic conditions.

This unit applies to advanced forklift and load shifting skills above those required for general operation and is intended to cover load shifting applications where special-purpose equipment/accessories requiring advanced operational skills are required.

Depending on the equipment being used a high risk work licence may be required and users should check with the relevant authorities.

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11010	Operate mobile load shifting equipment
MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Materials handling

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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1	Determine job	1.1	Follow standard operating procedures (SOPs)
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Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
	requirements	1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify load and check against safe working load and/or relevant specifications or regulations and final position/location
		1.5	Identify special handling requirements of load, if applicable
		1.6	Lift and place load in the correct final position/location to achieve specified balance of load
2	Identify and carry loads that require special care	2.1	Identify loads requiring special care
		2.2	Carry loads in accordance with special requirements of product according to procedures and/or regulations
3	Operate forklifts in areas of restricted movement and in special traffic conditions	3.1	Collect and manoeuvre load without damage to load or collision with obstacles according to SOPs
		3.2	Operate forklifts in areas of heavy traffic
		3.3	Operate forklifts over difficult or uneven surfaces
		3.4	Operate forklifts in areas shared with the general public, as required

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Safe working load includes the following:

- as defined in the manufacturers' specifications for lifting plant or gear

Loads requiring special care include one (1) or more of the following:

- non-standard load configuration
- fragile loads
- dangerous (volatile, explosive and sensitive)
- raising and lowering personnel on approved work platforms (forklift only)

Advanced operational skills include one (1) or more of the following:

- heavy loads
- out-of-balance loads
- awkward and irregular shaped loads
- traversing over rough, broken or uneven surfaces
- high lift situations
- extremes of climate

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM11021B Perform advanced operation of load shifting equipment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEM11021 Perform advanced operation of load shifting equipment

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications, regulations, load charts and communicating with personnel on movement/location when performing advanced operation of load shifting equipment
- selecting appropriate load shifting device to suit shifting requirements
- identifying safe working loads as defined in the manufacturers' specifications for lifting plant or gear
- identifying/managing loads requiring special care and taking appropriate action
- operating forklifts in a complex mobile plant environment.

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:

- safe work practices and procedures and use of personal protective equipment (PPE)
- pre-operational checks
- licensing requirements and appropriate permits
- load protection
- operational environment
- methods and techniques for loads requiring special care.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing advanced operation of load shifting equipment 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/territory 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. This must 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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