



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFEO215A Operate lighterage equipment

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to operate an ammunition lighter. It includes the requirement to inspect and maintain the lighter and to communicate with the tug boat operator during towing operations.

It does not include the requirement to load or unload the lighter.

Application of the Unit

Application of the Unit

This competency applies to the individual who is required to operate an ammunition lighter in order to move ammunition.

The individual is required to prepare the lighter for the towing operation, operate the lighter and communicate with the towing tug during the tow and complete all housekeeping related to the operation of the lighter.

Lighters are normally employed during ammunitioning and de-ammunitioning of warships.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability Skills This unit contains employability skills.

Pre-requisite Unit/s Nil

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT

1. **Prepare for lighter operations**

PERFORMANCE CRITERIA

- 1.1 Requirements to operate a ***lighter*** are identified and confirmed in accordance with ***standard procedures***
- 1.2 Occupational health and safety (OH&S) requirements and recognised safety precautions are applied throughout the operation in accordance with standard procedures
- 1.3 Lighter is ***inspected*** for safe operation in accordance with standard procedures
- 1.4 Equipment and stores required for operation are identified, acquired and prepared in accordance with standard procedures

ELEMENT**PERFORMANCE CRITERIA****2. Operate the lighter**

- 2.1 Lighter is moored and manoeuvred in accordance with operational requirements and standard procedures
- 2.2 Hatches are opened, closed and secured in accordance with work requirements and standard procedures
- 2.3 Load security and *protection* is established and maintained throughout the operation
- 2.4 Liaison is established and maintained with tow boat operators throughout the towing operation

3. Maintain the lighter

- 3.1 *Minor repairs and maintenance* are conducted in accordance with work procedures and policy
- 3.2 *Bird nets* are erected and pulled down in accordance with standard policy and procedures
- 3.3 Lighter is *cleaned* in accordance with standard policy and procedures

4. Complete housekeeping activities

- 4.1 Equipment and tools are maintained in accordance with standard policy and procedures
- 4.2 All records and documentation are finalised in accordance with standard procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- apply characteristics of LPG
- apply emergency procedures
- apply OH&S requirements
- apply security and protection
- conduct inspection
- conduct maintenance
- conduct repairs
- identify, select and use equipment, stores and tools
- maintain documentation
- moor and manoeuvre lighters
- operate hatches

Required Knowledge

- characteristics of LPG
- documentation requirements
- emergency procedures
- inspection requirements
- maintenance procedures
- mooring and manoeuvring procedures
- relevant OH&S requirements
- repair procedures
- security and protection procedures

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to:

- apply relevant OH&S requirements
- apply emergency procedures
- move and manoeuvre operating lighter
- maintain documentation.

Consistency in performance

Competency should be demonstrated over time and in a range of actual or simulated contexts.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated work environment, in accordance with all relevant legislation and organisational requirements.

Specific resources for assessment

Access is required to:

- lighterage
- associated equipment.

EVIDENCE GUIDE

Method of assessment

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an industry-approved simulated work environment.

Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions.

Range Statement

RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Lighters are	Commonly a flat bottomed unpowered barge designed to carry cargo that can be loaded or unloaded from ships
Standard procedures may include	<p>Australian Standards</p> <p>Job guides, pamphlets and other publications</p> <p>Manufacturers' handbooks, industry specifications and technical instructions</p> <p>OH&S regulations</p> <p>Organisational policies and procedures</p> <p>Relevant local government by laws</p> <p>Relevant state/territory or federal legislation</p> <p>Verbal and/or written orders and job instructions</p>
Lighter inspection may include	<p>Checking bollards and tie down points for serviceability</p> <p>Filling firefighting buckets and checking fire extinguishers</p>
Protection may include	<p>Operation of bilge pumps to avoid wetting</p> <p>Use of tarpaulins</p>
Minor repairs and maintenance may include	Patching or replacing of tarpaulins
Bird nets may	Normally be erected when lighter is moored to a buoy
Lighter cleaning may include	Use of high pressure water hoses and water pumps

Unit Sector(s)

Not applicable.