



## **QCF Unit and Assessment Specification**

<b>Unit title</b>	Direct Tug Operations
<b>Ofqual Unit code</b>	R/602/5353
<b>SQA Unit code</b>	H81K 78
<b>SSC Ref</b>	MSA 47

## History of changes

**Publication date:** February 2015

**Version:** 01

<b>Version number</b>	<b>Date</b>	<b>Description</b>	<b>Authorised by</b>

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## QCF Unit specification

<b>Title</b>	Direct Tug Operations	
<b>Level</b>	4	
<b>Credit value</b>	6	
<b>Learning Outcomes</b>	<b>Assessment Criteria</b>	
<b>The learner will:</b>	<b>The learner can:</b>	
1 Be able to direct preparations for tug operations.	1.1 Use reliable, up to date, information to plan tug operations.	1.2 Obtain the resources required to carry out the operation in accordance with recognised procedure.
	1.3 Inform appropriate personnel of agreed operational plans in accordance with recognised procedure.	
2 Be able to direct tug operations.	2.1 Supervise implementation of the operational plan to ensure safe operations.	2.2 Issue instructions to appropriate personnel to ensure efficient operations.
	2.3 Direct correct connection and disconnection of the tow.	2.4 Maintain link with towed vessel in accordance with recognised procedure.
	2.5 Ensure safe working practices are maintained throughout the operation.	2.6 Confirm equipment is shut down in accordance with requirements on completion of the operation.
3 Be able to direct communications on board.	3.1 Communicate on board in accordance with vessel procedures.	3.2 Delegate tasks to crew members.

<b>Learning Outcomes</b>	<b>Assessment Criteria</b>
<b>The learner will:</b>	<b>The learner can:</b>
<p>4 Be able to direct response to operational emergencies.</p>	<p>4.1 Apply contingency procedures in the event of any malfunction to minimise risk in accordance with guidelines.</p> <p>4.2 Implement contingency plan procedures for emergency operation of towing equipment to minimise risk to personnel.</p>
<p>5 Know about different tug operations.</p>	<p>5.1 Explain how to provide towing services.</p> <p>5.2 Explain how to operate combined tows.</p> <p>5.3 Explain provision of fire fighting services.</p> <p>5.4 Explain provision of anti-pollution services.</p> <p>5.5 Explain provision of pollution control services.</p> <p>5.6 Explain the principles for normal tug operations.</p> <p>5.7 Explain the procedures for normal tug operations.</p>
<p>6 Understand the construction of a tug and equipment.</p>	<p>6.1 Identify the significant features of a tug's structure.</p> <p>6.2 Describe the construction of tug equipment.</p>
<p>7 Understand operational limits of a tug and equipment.</p>	<p>7.1 Explain performance of tug and equipment when operating near the limits of performance.</p> <p>7.2 Explain how equipment must be operated in accordance with manufacturers instructions and guidelines.</p> <p>7.3 Explain the effects of failure of equipment.</p>

<b>Learning Outcomes</b>	<b>Assessment Criteria</b>
<b>The learner will:</b>	<b>The learner can:</b>
<p>8 Know relevant regulations in relation to tug operations.</p>	<p>8.1 Evaluate Statutory Instruments relating to tug operations.</p> <p>8.2 Explain how to apply Statutory Instruments relating to tug operations.</p> <p>8.3 Explain flag state guidelines relating to tug operations.</p> <p>8.4 Explain organisational instructions relating to tug operations.</p>

<b>Additional information about the Unit</b>
<b>Unit purpose and aim(s)</b>
Covers competence of person at managerial level to direct tug operations on any size of tug working in any operational area.
<b>Unit expiry date</b>
28/02/2018
<b>Details of the relationship between the Unit and relevant national occupational standards (if appropriate)</b>
MNTB NOS (2006) – E02 – Direct Tug Operations Non Pleasure Craft NOS
<b>Details of the relationship between the Unit and other standards or curricula (if appropriate)</b>
STCW
<b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>
Maritime Skills Alliance Assessment Strategy and Maritime and Coastguard Agency requirements
<b>Endorsement of the Unit by a sector or other appropriate body (if required)</b>
Maritime Skills Alliance
<b>Location of the Unit within the subject/sector classification system</b>
4.3 Transportation Operations and Maintenance
<b>Name of the organisation submitting the Unit</b>
Skills for Logistics, for the Maritime Skills Alliance
<b>Availability for use</b>
Shared

<b>Availability for delivery</b>
November 2014
<b>Additional information about the Unit (continued)</b>
<b>Guided Learning Hours</b>
30

## QCF Assessment specification

### Assessment (evidence) Requirements

The following evidence is required to demonstrate that learners have the appropriate level of knowledge to undertake Direct Tug Operations. All Learning Outcomes and Assessment Criteria must be achieved.

Written and/or recorded oral evidence produced either on or off-the-job is required for the following:

- ◆ Learning Outcomes 5, 6, 7 and 8

Performance evidence in the workplace or in an appropriate simulated environment is required for the following:

- ◆ Learning Outcomes 1, 2, 3 and 4

This could be achieved through the observation of learners undertaking practical exercises.

An approved Maritime Skills Alliance (MSA) approved Training Record Book (TRB) should be used to record evidence of achievement.

### Guidance on Methods/Instruments of Assessment

Performance evidence can be generated using practical exercises in a simulated environment.

Short answer written questions and/or oral interview could be used for the other Learning Outcomes and Assessment Criteria.