



## Unit and Assessment Specification

<b>Unit title</b>	Vessel Construction and Stability
<b>SQA Code</b>	H0JD 04
<b>SCQF Level</b>	5
<b>SCQF Credit Points</b>	3
<b>SSC Ref</b>	MSA 5

## History of changes

**Publication date:** December 2012

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

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<b>Title</b>	Vessel Construction and Stability	
<b>Learning Outcomes</b>	<b>Assessment Criteria</b>	
<b>The learner will:</b>	<b>The learner can:</b>	
1 Know the main construction features of different vessel types.	1.1	Name the main construction features of vessels.
	1.2	Identify different hull forms and the reasons for them.
	1.3	Identify common steering and propulsion types including sail and podded drives.
2 Understand vessel stability and flotation.	2.1	Define the common stability terms.
	2.2	Describe the factors that affect a vessel's ability to stay afloat.
	2.3	Identify and read assigned loadline markings.
	2.4	Describe the effect of movement on vessel stability.
	2.5	Describe the factors that adversely affect vessel stability.
	2.6	State the existence and purpose of on-board vessel stability information.

<b>Additional information about the Unit</b>
<b>Unit purpose and aim(s)</b>
<p>This Unit is designed for study by those:</p> <ul style="list-style-type: none"> <li>◆ with an interest in the sector</li> <li>◆ considering working in the sector</li> <li>◆ already in the sector — to receive recognition for their knowledge and understanding</li> <li>◆ working towards the Efficient Deck Hand (EDH) Certificate</li> </ul> <p>The aim of the Unit is to provide the knowledge for assisting with tasks on board a vessel in line with the statutory requirements for the Efficient Deck Hand Certificate as defined in MGN 97.</p>
<b>Details of the relationship between the Unit and relevant national occupational standards (if appropriate)</b>
MNTB/SFIA Marine NOS Unit A1
<b>Details of the relationship between the Unit and other standards or curricula (if appropriate)</b>
<p>MNTB/SFIA Underpinning Knowledge Library Documents  MGN 97  Seafish 5 day Stability Course</p>
<b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>
<p>Assessment will be by a combination of the following methods — assignment; knowledge based testing; project work; presentation; practical demonstration; other, as agreed by the external verifier.</p>

### **Assessment (evidence) Requirements**

The following evidence is required to demonstrate that learners have the appropriate level of knowledge to undertake Vessel Construction and Stability. 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 Outcome 1
- ◆ Learning Outcome 2 — Assessment Criteria 1, 2, 4, 5 and 6

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

- ◆ Learning Outcome 2 — Assessment Criterion 3

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 Instruments of Assessment**

Performance evidence can be generated using an approved Maritime Skills Alliance (MSA) approved Training Record Book (TRB) and/or practical exercises.

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