



Regulated Qualifications Unit and Assessment Specification

Unit title	Vessel Construction and Stability
Regulator unit code	T/602/3904
SQA unit code	FA62 54

History of changes

Publication date: September 2010

Version: 02 (December 2017)

Version number	Date	Description	Authorised by
02	December 2017	Unit Specification updated to reflect current Ofqual terminology.	Qualifications Officer

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Regulated qualifications unit specification

Title	Vessel Construction and Stability	
Level	2	
Credit value	5	
Outcomes	Assessment criteria	
The learner will:	The learner can:	
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.	

Additional information about the unit
Unit purpose and aim(s)
<p>This unit is designed for study by those:</p> <ul style="list-style-type: none"> ◆ With an interest in the sector ◆ Considering working in the sector ◆ Already in the sector — to receive recognition for their knowledge and understanding ◆ Working towards the Efficient Deck Hand (EDH) Certificate <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>
Unit start date
01/09/2010
Details of the relationship between the unit and relevant national occupational standards (if appropriate)
MNTB/SFIA Marine NOS Unit A1
Details of the relationship between the unit and other standards or curricula (if appropriate)
<p>MNTB/SFIA Underpinning Knowledge Library Documents MGN 97 Seafish 5 day Stability Course</p>
Assessment requirements specified by a sector or regulatory body (if appropriate)
<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>
Endorsement of the unit by a sector or other appropriate body (if required)
<p>Maritime Skills Alliance Maritime and Coastguard Agency Merchant Navy Training Board Seafish Industry Authority</p>
Location of the unit within the subject/sector classification system
4.3 Transportation Operations and Maintenance

Additional information about the unit (cont)
Name of the organisation submitting the unit
SQA
Guided learning hours
44

Regulated qualifications assessment specification

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 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:

- ◆ Outcome 1
- ◆ 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:

- ◆ 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 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.