National Unit Specification: general information

UNIT Maritime Industry: An Introduction (SCQF level 6)

CODE F7HH 12

SUMMARY

This Unit is suitable for candidates who aspire to a career in the Merchant Navy or in associated marine related occupations.

The Unit has been designed to provide the candidate with an understanding of the various component parts of the maritime sector within the UK. It also provides the candidate with knowledge of UK and international bodies which advise and regulate the maritime industry and the importance of these to the UK economy. The role of employers and training providers is also explored along with typical career paths for the various sectors within the industry.

The Unit introduces the candidate to the different types of vessels that may be encountered at sea and the roles of shipboard and shore based personnel.

This Unit is primarily aimed at candidates who intend to seek sea-going employment as a Merchant Navy Deck /Engineer Officer. However it may also be studied by someone with an interest in the subject area.

OUTCOMES

1 Demonstrate an understanding of the various sectors within the maritime industry
2 Demonstrate an understanding of the role of the main regulatory and advisory bodies both within the UK and internationally.
3 Describe the importance of shipping both in terms of the UK and overall world economy.
4 Demonstrate understanding of the relationship between employers, training providers and regulatory authorities.

National Unit Specification: general information (cont)

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RECOMMENDED ENTRY

While entry is at the discretion of the centre, candidates would normally expect to be working towards the following units in conjunction with this one:

♦ *F7HJ 11: Safety Training for Seafarers*
♦ *F7HB 12: Shipboard Operations: An Introduction*
♦ *F7HC 12: Ship Construction and Stability: An Introduction*

CREDIT VALUE

1 credit at SCQF level (6 SCQF credit points at SCQF level 6*).

*SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.

CORE SKILLS

There may be opportunities to gather evidence towards the following Core Skills in this Unit:

♦ *Communication*: Written at SCQF level 5
♦ *Communication*: Oral at SCQF level 6
♦ *Communication*: Reading at SCQF level 5
♦ *Information and Communication Technology:* at SCQF level 5

There is no automatic certification of Core Skills or Core Skills components.

National Unit Specification: statement of standards

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Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit Specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

OUTCOME 1

Demonstrate an understanding of the various sectors within the maritime industry.

Performance Criteria

(a) Describe the main sectors within the maritime industry.
(b) Outline the major characteristics of each sector.

OUTCOME 2

Demonstrate an understanding of the role of the main regulatory and advisory bodies both within the UK and internationally.

Performance Criteria

(a) Candidates can outline the role and function of regulatory bodies in the marine sector.

OUTCOME 3

Describe the importance of shipping both in terms of the UK and overall world economy.

Performance Criteria

(a) Candidates can explain the importance of shipping to the UK and world economy in terms of Balance of Payments, employment and taxation.

OUTCOME 4

Understands the relationship between employers, training providers and regulatory authorities.

Performance Criteria

(a) Candidates will be required to produce evidence to show that they understand the roles and interaction between the main seafarer organisations.
(b) Candidates are aware of impact of the Convention on Standards of Training and Certification for Watchkeepers (STCW 95) on marine operations.

National Unit Specification: statement of standards (cont)

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EVIDENCE REQUIREMENTS FOR THIS UNIT

Evidence is required to demonstrate that the candidates have achieved all Outcomes and Performance Criteria.

Written and/or oral evidence is required to demonstrate that the candidate has achieved this Unit to the standard specified in the Outcomes and Performance Criteria. The evidence for this Unit should be obtained under controlled, supervised conditions.

Outcomes 1, 2, 3 and 4 may be assessed on an individual basis or as a combination of Outcomes (eg Outcomes 1, 2 assessed together and Outcomes 3 and 4 together), or as a single, holistic assessment covering all five Outcomes. The total time for assessment(s) of the five Outcomes must not exceed 3 hours. Assessment(s) may be conducted under supervised, closed-book conditions in which candidates may use reference materials provided by the centre but are not allowed to bring their own notes, handouts, textbooks or other materials into the assessment. Alternatively a project based approach may be suitable for Outcomes 1 and 2.

All items listed under the Performance Criteria should be available for assessment.

Outcome 1

Candidates should be able to identify and outline the characteristics of at least five sectors from the following:

♦ Chartering and Financial sectors
♦ Fishing Industry
♦ Marine Leisure Industry
♦ Maritime insurance and legal services
♦ Maritime training sector
♦ Merchant Navy
♦ Ports and Harbours sector
♦ Offshore Exploration sector
♦ Royal Navy
♦ Shipbuilding industry
♦ Ship Management and crew management sectors

Outcome 2

Candidates should be able to outline the role and function of three of the following:

♦ International Maritime Organisation (IMO)
♦ International Labour Organisation (ILO)
♦ Maritime and Coastguard Agency
♦ Marine Accident Investigation Branch
♦ Classification Societies

On each assessment opportunity a different sample should be used for Outcomes 1 and 2.

National Unit Specification: statement of standards (cont)

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Outcome 3

Candidates should be able to outline four of the following terms:

♦   economy
♦   economies of scale
♦   supply and demand
♦   balance of payments
♦   gross domestic product
♦   imbalance of trade
♦   the pink book
♦   tonnage tax

Candidates should also be able to identify the segments of the industry and the commodities traded.

Outcome 4

Candidates should be able to describe the interaction between the following; shipping companies, manning agencies, seafarer unions and identify the role of the MNTB.

Candidates should explain the requirements of STCW 95 with regard to certification of seafarers.

National Unit Specification: support notes

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This part of the Unit Specification is offered as guidance. The support notes are not mandatory. While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

GUIDANCE ON THE CONTENT AND CONTEXT FOR THIS UNIT

The content of this Unit is designed to meet the requirements of the Merchant Navy Training Board criteria concerning knowledge of the Marine Industry at new entrant level. It is designed to provide candidates with an over view of the entire marine industry with regards to type of trade, type of vessel and importance of shipping in general to both the UK and world economy.

Although intended primarily for new entrants to the merchant navy the Unit would be beneficial to anyone entering the general marine industry.

In Outcome 1 the candidate is introduced to the marine industry in general and will gain a general knowledge of sectors within the industry.

In Outcome 2 candidates will learn about the regulatory bodies which patrol the marine industry and discover the roles and responsibilities of each body.

In Outcome 3 candidates will investigate the importance of the maritime industry in terms of both the UK and world economy, particularly with regards to the amount of cargo and freight transported by sea in comparison to other forms of transportation. The effects of shipping on the balance of payments, employment and implications of taxation, in particular the UK Tonnage tax system will be investigated.

In Outcome 4 candidates will investigate training and employment within the industry, in particular the structure of their own training regime and the requirements of STCW '95. In addition, candidates will learn about the interaction between employers, the union and the role of the MNTB.

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

When delivering this Unit it is recommended that extensive use of DVD's Videos and internet resources are used. There is a wide range of resources available from organisations such as the MNTB, the MCA and other relevant bodies.

♦ Merchant Navy Training Board
♦ Department for Transport
♦ International Maritime Organisation
♦ Maritime and Coastguard Agency
♦ Seavision
♦ Port Skills and Safety
♦ Lloyds Register of Shipping

The entire above have websites which provide useful information and candidates should be encouraged to research these sites on their own. Candidates should also be encouraged to ask their sponsoring companies for relevant information.

National Unit Specification: support notes (cont)

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OPPORTUNITIES FOR CORE SKILL DEVELOPMENT

There may be opportunities to develop the following Core Skills within this Unit.

♦ *Communication*: Written at SCQF level 5
♦ *Communication*: Oral at SCQF level 6
♦ *Communication*: Reading at SCQF level 5

These may be developed if a project based and peer review assessment is used for Outcomes 1, 2 and 4.

Information and Communication Technology: at SCQF level 5

Candidates will be required to make extensive use of internet research and use IT to develop presentations for peer review.

There is no automatic certification of any Core Skill component within the Unit.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communications Technology (ICT), such as e-testing or the use of e-portfolios or e-checklists. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003), SQA Guidelines on e-assessment for Schools (BD2625, June 2005).*

Centres are encouraged to use formative assessment extensively as it plays a particularly important role in allowing candidates to develop a sound knowledge of the industry prior to going to sea for the first time.

Outcomes may be assessed individually or in combination. Outcomes 1, 2 and 4 may be suitable for assessment on a project basis including a presentation to peer groups.

DISABLED CANDIDATES AND/OR THOSE WITH ADDITIONAL SUPPORT NEEDS

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website **www.sqa.org.uk/assessmentarrangements**.

National Unit Specification: support notes (cont)

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History of changes:

Version	Description of change	Date
02	Changes made to clarify Maritime Industry language.	16/07/2010
03	Sentence referring to outcome 5 removed from section GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT as there is no outcome 5 within this unit.	16/09/2015