



## National Unit Specification: general information

**UNIT** Safety Training for Seafarers (SCQF level 5)

**CODE** F7HJ 11

### SUMMARY

This Unit has been designed to provide the candidate with an understanding of the immediate actions to be taken in case of emergencies occurring on board a vessel at sea. It also provides the candidate with a basic knowledge of shipboard routines and safe working practices and the roles and responsibilities of those on board.

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

### OUTCOMES

- 1 Demonstrate an understanding of the immediate action to be taken in the event of ship abandonment.
- 2 Demonstrate an understanding of the immediate actions required upon encountering an accident or other medical emergency.
- 3 Describe the actions to be taken to comply with emergency procedures on board ship.
- 4 Describe the precautions to be observed to prevent pollution of the marine environment.
- 5 Describe safe working practices on board ship.
- 6 Demonstrate and understanding of the importance of contributing to effective human relationships on board ship.

### RECOMMENDED ENTRY

While entry is at the discretion of the centre, candidates would normally be expected to have attained or be working towards the following Units:

*F7HH 12: Maritime Industry: An Introduction (SCQF level 5)*

*F7HB 12: Shipboard Operations: An Introduction (SCQF level 5)*

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#### Administrative Information

**Superclass:** ZF

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## **National Unit Specification: general information (cont)**

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### **CREDIT VALUE**

1 credit at SCQF level 5 (6 SCQF credit points at SCQF level 5\*).

*\*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 are opportunities to develop the following Core Skills in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

*Communication: Reading at SCQF level 5*

*Communication: Writing at SCQF level 5*

*Communication: Oral at SCQF level 5*

*Problem Solving: Critical Thinking at SCQF level 5.*

*Problem Solving: Planning and Organising at SCQF level 5.*

*Problem Solving: Reviewing and Evaluating at SCQF level 5.*

*Working with Others: Working Co-operatively with Others at SCQF level 5*

## **National Unit Specification: statement of standards**

### **UNIT        Safety Training for Seafarers (SCQF level 5)**

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 immediate action to be taken in the event of ship abandonment.

##### **Performance Criteria**

- (a) Describe emergency situations which may require abandonment of the vessel.
- (b) Outline the types of life-saving appliances normally carried on ships.
- (c) Describe the equipment carried in survival craft.
- (d) Describe the location and use of personal life-saving appliances found on board a vessel.
- (e) Describe the practical on board considerations concerning survival at sea.

#### **OUTCOME 2**

Demonstrate an understanding of the immediate actions required upon encountering an accident or other medical emergency.

##### **Performance Criteria**

- (a) Describe how to assess the needs of casualties and threats to own safety.
- (b) Demonstrates an understanding of body structure and functions.
- (c) Describes the immediate measures to be taken in cases of medical emergency.

#### **OUTCOME 3**

Describe the actions to be taken to comply with emergency procedures on board ship.

##### **Performance Criteria**

- (a) Describe the types of emergency which may occur on board a vessel.
- (b) Demonstrate knowledge of shipboard contingency plans for response to emergencies.
- (c) Explain correctly the vessels emergency signals and specific duties allocated to crew members in the muster list.
- (d) Outline the action to take on discovering potential emergency situations.
- (e) Outline the Action to take on hearing emergency alarm signals.
- (f) Explain correctly the value of on board training and drills.
- (g) Demonstrate knowledge of escape routes and internal communication and alarm systems.

## **National Unit Specification: statement of standards (cont)**

### **UNIT**      Safety Training for Seafarers (SCQF level 5)

#### **OUTCOME 4**

Describe the precautions to be observed to prevent pollution of the marine environment.

#### **Performance Criteria**

- (a) Describes the effects of operational or accidental pollution of the marine environment.
- (b) Demonstrate knowledge of shipboard environmental protection procedures.

#### **OUTCOME 5**

Describe safe working practices on board ship.

#### **Performance Criteria**

- (a) Explains correctly the importance of adhering to safe working practices at all times.
- (b) Describes safety and protective devices available to protect against potential hazards aboard ship.
- (c) Explains correctly the precautions to be taken prior to entering enclosed spaces.
- (d) Explains accurately the international requirements concerning accident prevention and occupational health.

#### **OUTCOME 6**

Demonstrate and understanding of the importance of contributing to effective human relationships on board ship.

#### **Performance Criteria**

- (a) Describes the importance of maintaining good human and working relationships aboard ship
- (b) Demonstrates and understanding of social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse with particular reference to a seagoing environment.

### **EVIDENCE REQUIREMENTS FOR THIS UNIT**

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

Written and/or recorded oral evidence should be produced to demonstrate that the candidate has achieved all the Outcomes and Performance Criteria.

Outcomes 1, 2, 3, 4 and 5 may be assessed on an individual basis at appropriate points throughout the delivery of the Unit, as a combination of Outcomes (eg Outcome 1 assessed on its own and Outcomes 2 and 3 together), or as a single, holistic assessment covering all five Outcomes.

## **National Unit Specification: statement of standards (cont)**

### **UNIT**      Safety Training for Seafarers (SCQF level 5)

However if this Unit is being utilised to deliver underpinning knowledge for the award of an STCW 95 certificate then it is suggested that Outcome 1 and 2 are assessed individually and Outcomes 3, 4, 5 and six are combined into a single assessment.

For further guidance on assessment requirements for STCW 95 certification centres **MUST** consult both of the following:

Merchant Navy Training Board  
Carthusian Court  
12 Carthusian Street  
London  
EC1M 6EZ

Seafarers Standards Branch  
Maritime and Coastguard Agency  
Spring Place  
105 Commercial Road  
Southampton  
Hants  
SO15 1EG

## **National Unit Specification: support notes**

### **UNIT        Safety Training for Seafarers (SCQF level 5)**

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**

This Unit is designed to allow candidates to gain the knowledge and understanding of the issues concerning their safety on board seagoing vessels. The content is aimed at new entrants to a seagoing career in any type of vessel and will give them the skills to maintain their own safety as well as those of their shipmates.

Outcome 1 follows the syllabus of the STCW 95 Personal Survival Techniques (PST) course which is a mandatory requirement for all seafarers prior to joining a vessel for the first time. Successful completion of the Outcome will not entitle a candidate to be awarded a certificate; however it may count towards the underpinning knowledge required. Centres wishing to use this Unit as a vehicle for awarding such certificates should comply with the contents of the MNTB PST course.

Outcome 2 follows the syllabus of the STCW95 Elementary First Aid at Sea (EFA) course which is again mandatory for all new seafarers prior to joining a vessel for the first time. Successful completion of this Outcome will not entitle a candidate to be awarded a certificate; however it may count towards the underpinning knowledge required. Centres wishing to use this Unit as a vehicle for awarding such certificates should comply with the contents of the MNTB EFA course.

Outcomes 3 to 6 follow the syllabus of the STCW 95 Personal Safety and Social Responsibilities (PSSR) course, a mandatory course for all new seafarers.

Successful completion of these Outcomes will not entitle a candidate to be awarded a certificate; however it may count towards the underpinning knowledge required. Centres wishing to use this Unit as vehicle for awarding such certificate should comply fully with the requirements of the MNTB EFA course.

Full details of all of the above courses can be obtained from the following:

Merchant Navy Training Board  
Carthusian Court  
12 Carthusian Street  
London  
EC1M 6EZ

Seafarers Standards Branch  
Maritime and Coastguard Agency  
Spring Place  
105 Commercial Road  
Southampton  
Hants  
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## **National Unit Specification: support notes (cont)**

### **UNIT Safety Training for Seafarers (SCQF level 5)**

#### **GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT**

##### **Outcome 1**

Centres offering the Unit must ensure that the following topics are included in learning and teaching plans:

- ◆ How to don a lifejacket
- ◆ How to don and use an immersion suit
- ◆ How to jump into the water safely from a height
- ◆ How to right an inverted liferaft
- ◆ The correct procedure for swimming whilst wearing a lifejacket
- ◆ How to stay afloat without a lifejacket
- ◆ The correct method of boarding a survival craft from the ship and also from the water, whilst wearing a lifejacket
- ◆ The initial actions to be taken upon boarding survival craft to maximise survival
- ◆ The correct procedure for streaming a drogue or sea anchor
- ◆ The proper use of all survival craft equipment
- ◆ How to use location aids including radio equipment

Ideally centres will have examples of the relevant equipment for demonstration purposes and if STCW 95 certificates are to be issued centres should check the requirements in the MNTB document. Video and internet sources are also available to enhance the learning experience.

##### **Outcome 2**

Centres offering the Unit must ensure that the following topics are included in learning and teaching plans.

- ◆ The manner and timing of raising the alarm is appropriate to the circumstances of the accident or medical emergency.
- ◆ The identification of probable cause, nature and extent of injuries is prompt and complete and the priority and sequence of actions is proportional to any potential threat to life.
- ◆ Risk of further harm to self and casualty is minimised at all times.

Lectures, videos and DVD's may be used to demonstrate the concepts above.

##### **Outcomes 3 to 6**

Extensive reference should be made to the Code of Safe Working Practices for Merchant Seamen when delivering these Outcomes. This can be reinforced by use of internet, video and other multimedia resources. Marine Accident Investigation Branch (MAIB) reports of accidents may also be used to highlight dangers and hazards routinely encountered at sea and in port. Talks by serving seafarers are also a useful source of knowledge provided that talks are pitched at the right level.

Centres should consult the relevant training guidelines published by the MNTB when planning learning experiences for these Outcomes.

## National Unit Specification: support notes (cont)

### UNIT Safety Training for Seafarers (SCQF level 5)

#### OPPORTUNITIES FOR CORE SKILL DEVELOPMENT

There are opportunities to develop the following Core Skills in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

*Communication:* Reading and Oral at SCQF level 5

Candidates will be expected to be conversant with legislation regarding the provisions of STCW 95 courses and will need to read training manuals and other legal documents regarding the PST and EFA courses in particular.

In the Outcome 1 candidates will have to simulate an emergency scenario leading to an abandonment of a vessel. This will entail candidates having to convey oral instructions to others in a clear and concise manner so as to ensure the safety of themselves and fellow shipmates.

*Problem Solving:* Critical Thinking at SCQF level 5.

*Problem Solving:* Planning and Organising at SCQF level 5.

*Problem Solving:* Reviewing and Evaluating at SCQF level 5.

In Outcomes 1, 2 and 3 candidates will be given emergency and first aid scenarios where quick action is essential; however they must take the correct action and therefore must be able to think critically about the scenario they are presented with. They will have to plan and organise a response that will ensure their safety and not harm others, who may already be injured, and maximise their chance of survival. As the scenario progresses they will have to review and evaluate actions taken to ensure they are having the desired Outcome.

*Working with Others:* Working Co-operatively with Others at SCQF level 5

Candidates can demonstrate this by being part of a team engaged in a simulated abandon ship drill or attending to a casualty and ensuring that the correct first aid response is given.

#### 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)*.

Please see Statement of Standards for advice on assessment approaches for this Unit.



## **National Unit Specification: support notes (cont)**

**UNIT**      Safety Training for Seafarers (SCQF level 5)

### **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](http://www.sqa.org.uk/assessmentarrangements).