



National Unit Specification: general information

UNIT Proficiency in Survival Craft and Rescue Boats (SCQF level 6)

CODE F7HF 12

SUMMARY

The Unit has been designed to provide the candidate with an understanding of the actions and procedures required when it becomes necessary to launch, operate and manage survival craft after abandonment at sea.

It 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 the ability to take charge of a survival craft during and after launching.
- 2 Demonstrate knowledge of the operation of survival craft engines.
- 3 Demonstrate the ability to manage survivors and survival craft after abandoning a vessel.
- 4 Demonstrate how to use locating and communication devices carried on survival craft.
- 5 Demonstrate knowledge of basic first aid to be applied to survivors.

RECOMMENDED ENTRY

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

- ◆ *F7HJ 11: Safety Training for Seafarers*

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 6 (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 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: 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

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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 the ability to take charge of a survival craft during and after launching.

Performance Criteria

- (a) Describe fully the construction of and fittings and equipment used in survival craft and rescue boats.
- (b) Describe correctly the particular characteristics and facilities of survival craft and rescue boats.
- (c) Identify the various types of launching appliances for survival craft and rescue boats.
- (d) Explain accurately the methods of launching and recovery of survival craft/rescue boats into a rough sea.
- (e) Describe the correct action to be taken after leaving the vessel.

OUTCOME 2

Demonstrate knowledge of the operation of survival craft engines.

Performance Criteria

- (a) Explain correctly the method of starting/stopping a survival craft/rescue boat engine.
- (b) Explain fully how a survival craft engine and its associated equipment should be operated under all conditions.
- (c) Describe the proper use of safety equipment provided for use with survival craft engines.

OUTCOME 3

Demonstrate the ability to manage survivors and survival craft after abandoning a vessel.

Performance Criteria

- (a) Describe the recommended procedure for handling and beaching survival craft in rough weather.
- (b) Explain correctly the use of all equipment found in survival craft.
- (c) Explain the requirements for distribution of food and water in survival craft.
- (d) Describe the procedures to be followed when helicopters are used in rescues.
- (e) Explain the effects of hypothermia and the precautions to be taken aboard survival craft to prevent this.
- (e) Describe the recommended procedures for the use of survival craft and rescue boats in recovering survivors from the water and for marshalling liferafts.

National Unit Specification: statement of standards (cont)

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OUTCOME 4

Demonstrate correct use of locating and communication devices carried on survival craft.

Performance Criteria

- (a) Identify communications and location equipment carried in survival craft.
- (b) Explain the recommended use and operation of portable radio equipment carried in survival craft
- (c) Describe accurately the use and operation of pyrotechnic and other signalling devices.

OUTCOME 5

Demonstrate knowledge of basic first aid to be applied to survivors.

Performance Criteria

- (a) Explain the use of first aid kit and resuscitation techniques
- (b) Describes correctly the management of injured persons in survival craft, including control of bleeding and shock.

EVIDENCE REQUIREMENTS FOR THIS UNIT

Evidence is required to demonstrate the 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. The total time for assessment(s) should not exceed two hours. Assessment(s) must 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.

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

On completion of the training, the trainees will have knowledge of the construction and function of different types of survival craft, rescue boats and associated equipment and be able to:

- ◆ Take charge of survival craft or a rescue boat during and after launch and upon recovery.
- ◆ Manage survivors and survival craft after abandoning ship.
- ◆ Manage injured persons, including the control of bleeding and shock.

These objectives are reflected in the occupational standards contained in Unit 125 of the Merchant Vessel Operations SNQ/NVQs.

Centres wishing to use this Unit as underpinning knowledge for the award of an Certificate of Proficiency in Survival Craft and Rescue Boats, as per the Standards of Training and Certification of Watchkeepers Convention (1995) (STCW 95) should comply fully with the requirements of the Merchant Navy Training Board (MNTB) and the UK Maritime and Coastguard Agency (MCA).

These organisations may be contacted at the following addresses:

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

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

Use of models and videos is strongly recommended for all Outcomes.

Teaching and learning approaches should consist of a series of lectures and practical sessions and in the case of Outcomes 1, 2 and 5 role play may be used effectively.

National Unit Specification: support notes (cont)

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Ideally centres delivering the Unit should also comply with all the requirements of the Merchant Navy Training Board (MNTB) and the UK Maritime and Coastguard Agency (MCA).

These guidelines are a prerequisite if the Unit is to be used as underpinning knowledge for the award of a CPSCRB certificate under STCW 95 regulations.

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 CPSCRB courses in particular.

In the Outcome 1 candidates will have to simulate an emergency scenario leading to an abandonment of a vessel and launching of survival craft. This will involve them taking charge of the launching and management of the crew when in the craft. 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 3, 4 and 5 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 involved in survival situations or attending to a casualty and ensuring that the correct first aid response is given.

National Unit Specification: support notes (cont)

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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)*.

Experience has shown that oral assessment utilising standard questions and an assessment checklist is suited to the content of the Unit. Where elements require practical assessment centres should ensure that they comply with MNTB and MCA requirements.

CANDIDATES WITH DISABILITIES AND/OR ADDITIONAL SUPPORT NEEDS

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).