

National Unit Specification: general information

UNIT Seamanship 1 (Intermediate 1)

NUMBER DC60 10

COURSE

SUMMARY

This unit is designed to enable candidates to gain basic skills in rope work, ship recognition, and safety at sea.

OUTCOMES

- 1 Demonstrate a knowledge of different ship types and basic rules of the road.
- 2 Demonstrate a basic knowledge of the International Association of Lighthouse Authorities (IALA) Maritime Buoyage Region 'A'.
- 3 Describe the operation of land, sea and air maritime rescue services around the United Kingdom coast.
- 4 Demonstrate a knowledge of care of ropes and the ability to use them safely.
- 5 Demonstrate a knowledge of use of safety equipment carried on board a vessel.

RECOMMENDED ENTRY

Entry is at the discretion of the centre.

CREDIT VALUE

1 credit at Intermediate 1 (6 SCOTCAT points at SCQF level 4*).

**SCOTCAT 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 SCOTCAT points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Administrative Information

Superclass: ZF

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National Unit Specification: general information (cont)

UNIT Seamanship 1 (Intermediate 1)

CORE SKILLS

There is no automatic certification of core skills or core skills components for this unit.

Information on the automatic certification of any core skills in this unit is published in *Automatic Certification of Core Skills in National Qualifications* (SQA, publication code BA0906).

National Unit Specification: statement of standards

UNIT Seamanship 1 (Intermediate 1)

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 the Scottish Qualifications Authority.

OUTCOME 1

Demonstrate a knowledge of different ship types and basic rules of the road.

Performance criteria

a) The candidate should be able to identify the longitudinal outlines of the following vessels:

- | | |
|-----------------------|------------------------|
| ◆ cruise ship | ◆ supply vessel |
| ◆ ro-ro ferry | ◆ coaster |
| ◆ tanker/bulk carrier | ◆ freezer/cargo vessel |
| ◆ container ship | ◆ warship |
| ◆ tug | ◆ trawler (pelagic) |
| ◆ trawler (demersal) | ◆ seine netter |

b) The candidate should be able to identify the following vessels from displays of lights or daymarks:

- | | |
|---|--------------------------------|
| ◆ vessel at anchor | ◆ vessel motorsailing |
| ◆ vessel towing | ◆ vessel aground |
| ◆ vessel fishing | ◆ vessel not under command |
| ◆ vessel constrained by her draught | ◆ vessel minesweeping |
| ◆ vessel restricted in her ability to manoeuvre | ◆ vessel underway (power/sail) |

c) The candidate should be able to demonstrate a knowledge of:

- ◆ maintaining a proper lookout by sight and hearing
- ◆ safe speed so that proper and effective action can be taken to avoid collision and stop within a distance appropriate to the prevailing conditions
- ◆ risk of collision existing when the compass bearing of an approaching vessel does not appreciably change.

Evidence requirements

Evidence will consist of a short answer test to demonstrate the candidate's ability to identify a minimum of eight longitudinal outlines for PC(a) and a minimum of fifteen vessels for PC(b).

An oral interview to demonstrate the candidate's ability to satisfy PC(c).

National Unit Specification: statement of standards (cont)

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OUTCOME 2

Demonstrate a basic knowledge of the International Association of Lighthouse Authorities (IALA) Maritime Buoyage Region 'A'.

Performance criteria

The candidate should be able to:

- a) identify buoys given their shape and colour or topmark or light.
- b) state the action to be taken on approaching each of the buoys which must include at least one from each of the lateral, cardinal, isolated danger, safe water and special marks.
- c) demonstrate a knowledge of the Direction of Buoyage around the British Isles. Situations should include entering and leaving harbours and proceeding both with and against the Buoyage Direction.

Evidence requirements

Evidence will consist of a short answer test to demonstrate the candidate's ability to identify a minimum of eight out of ten buoys (five by day and five by night) to satisfy PC(a) and oral and/or written evidence to satisfy PCs (b) and (c).

OUTCOME 3

Describe the operation of land, sea and air maritime rescue services around the United Kingdom coast.

Performance criteria

The candidate should be able to:

- a) describe the role of HM Coastguard, helicopter and lifeboat in maritime rescue.
- b) describe procedures from the sending of a distress call to rescue in a maritime incident involving Coastguard, helicopter and lifeboat.

Evidence requirements

A written account of no more than 1000 words to demonstrate the candidate's ability to satisfy PCs(a) and (b).

OUTCOME 4

Demonstrate a knowledge of care of ropes and the ability to use them safely.

Performance criteria

- a) The candidate should be able to state the precautions to be taken for the care and use of ropes.

National Unit Specification: statement of standards (cont)

UNIT Seamanship 1 (Intermediate 1)

b) The candidate should be able to form:

◆ ten of the following knots, bends or hitches:

figure of eight knot	sheepshank
reef knot	clove hitch
sheet bend	rolling hitch
double sheet bend	round turn and two half hitches
bowline	fisherman's bend
bowline on the bight	timber hitch

◆ a back splice, short splice, eye splice and a whipping in common use.

Evidence requirements

Evidence will consist of a short answer test to demonstrate the candidate's ability to state a minimum of three precautions for PC (a).

Observational checklist based on practical exercises to demonstrate the candidate's ability to satisfy PC(b).

OUTCOME 5

Demonstrate a knowledge of the use of safety equipment carried on board a vessel.

Performance criteria

a) The candidate should be able to describe:

- ◆ the launch of a life raft and subsequent use of ten items of its standard equipment.
- ◆ the proper use in lifesaving of life buoys
- ◆ the proper use in lifesaving of lifejackets
- ◆ the proper use in emergencies of pyrotechnic devices.

b) The candidate should be able to demonstrate a knowledge of the appropriate actions for dealing with a given situation involving a fire.

Evidence requirements

Evidence will consist of an oral interview with checklist to demonstrate the candidate's ability to satisfy PC(a).

A decision-making exercise to demonstrate the candidate's ability to satisfy PC(b).

National Unit Specification: support notes

UNIT Seamanship 1 (Intermediate 1)

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 provides an introduction to seamanship with an emphasis on safety.

Content associated with the outcomes is specified by the performance criteria.

The context linking these outcomes is safety and this should receive appropriate emphasis.

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

These correspond to the outcomes.

Outcomes 1 and 2

All types of visual aids and models should be used but where possible a visit to a busy harbour where actual vessels and buoyage can be seen will greatly enhance these outcomes. A visit to a simulator or an actual passage on a ship will also be of great benefit.

Outcome 3

Individual or group research may be used. Excellent videos are available and visits to Lifeboat stations, Coastguard stations and Helicopter bases are desirable when available. The Maritime and Coastguard Agency is a source of visiting speakers, information and interactive programmes.

Outcome 4

Practical exercises demonstrating the care and use of ropes should be used where possible.

Outcome 5

Videos may be used but actual safety equipment should be used or seen in use.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

All outcomes must be achieved.

Evidence is required of valid and reliable assessment of satisfactory achievement of the performance criteria specified for each stated outcome.

A pass/fail system will apply.

Candidates must be informed of the tasks which contribute to summative assessment. Candidates who have been unsuccessful in achieving an outcome should have the opportunity to be re-assessed following appropriate remediation, consolidation or reinforcement.

National Unit Specification: support notes (cont)

UNIT Seamanship 1 (Intermediate 1)

SPECIAL NEEDS

This unit specification is intended to ensure that there are no artificial barriers to learning or assessment. Special needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments or considering special alternative outcomes for units. For information on these, please refer to the SQA document *Guidance on Special Assessment Arrangements* (SQA, publication code AA0645).