



End Point Assessment Specification

Apprenticeship standard: ST0274 Seafarer (deck rating)

Link to apprenticeship standard: [Seafarer \(deck rating\) / Skills England](#)

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1. Qualification objective

This qualification ensures that a successful apprentice holds the required competencies to contribute to the overall safe and effective operation of the vessel. A seafarer carries out watchkeeping duties; maintaining the safety and security of the vessel, cargo, and personnel on board; and undertaking a range of practical seafarer tasks covering rope work, anchoring and mooring activities and operations. They must adhere to safe and environmentally responsible working practices and international regulations and will have a range of security duties. A seafarer must work safely in enclosed spaces and at heights and must respond to vessel emergencies; administer emergency first aid; carry out fire prevention and fire-fighting duties; use survival techniques in the water; and operate survival craft and rescue boats. This qualification ensures that a successful apprentice has completed all the required training and mandatory qualifications and certification required, to enable them to work on board any type and size of vessel in any part of the world

2. Prior qualifications

a. Qualifications which a learner must have completed before taking the qualification

Prior to undertaking this end-point assessment, apprentices must have obtained the following qualifications/certificates as required by the Apprenticeship Standard and EPA plan:

Apprentices must have achieved English and mathematics at Level 1 and taken the test for level 2. ((The English and maths exit requirements will be optional for apprentices who are aged 19+ at the start of their apprenticeship training.)

- Award in Maritime Studies: Deck Rating – SQA Code GC6K 62
 - Certificate in Maritime Studies: Able Seafarer (Deck) – SQA Code GK54 54
 - STCW Personal Survival Techniques
 - STCW Basic Firefighting and Fire prevention
 - STCW Elementary First Aid
 - STCW Proficiency in Security Awareness
 - STCW Personal Safety and Social Responsibility
 - MNTB Entry into Enclosed Spaces
 - MCA approved Steering Certificate
 - Proficiency in Survival Craft and Rescue Boats Certificate
 - Proficiency in Designated Security Duties
 - MCA approved Navigational Watch Rating Certificate (including 2 months statutory qualifying sea service)
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- apprentices must have achieved English and mathematics at Level 1 and taken the test for level 2
 - For those with an education, health and care plan or a legacy statement, the apprenticeship's English and mathematics minimum requirement is Entry Level 3.

British Sign Language (BSL) qualifications are an alternative to English qualifications for those who have BSL as their primary language.

- Apprentices must have completed their training record book (TRB) for assessment method 1 and 2 using the format agreed between the MCA and the training provider.

IAMI do not stipulate any additional qualifications that an apprentice must have completed prior to taking the qualification, additional qualifications are at the discretion of the individual employers.

Prior knowledge, skills or understanding which the Learner is required to have before taking the qualification

IAMI do not stipulate any additional knowledge, skills or understanding beyond those outlined in the Apprenticeship Standard that an apprentice must have completed prior to taking the qualification. Required prior knowledge, skills or understanding is at the discretion of the individual employers.

Knowledge, skills or understanding as required by this apprenticeship:

KSBs

Knowledge

K1: Health and Safety policies that set out safe working practices.

K2: The range of onboard equipment and their applications (for instance ropes, access and lifting gear).

K3: The procedures for maintaining different types of vessel equipment (for instance ropes, access and lifting gear).

K4: The role of the helmsman in supporting safe navigation of the vessel.

K5: The role of bridge lookout in supporting safe navigation of the vessel.

K6: Vessel anchoring procedures.

K7: How different vessel designs influence mooring configurations.

K8: The procedures for working at height in accordance with organisational requirements.

K9: How risk assessments and permits to work help ensure a safe working environment.

K10: How to respond to security issues in accordance with regulation and own organisation's policies.

K11: How to respond in the event of an emergency and the associated duties involved, including use of both fixed and portable installations (Fire Fighting Appliances) and Life Saving Appliances (LSA).

K12: The factors that impact vessel manoeuvrability.

K13: How the use of propulsion and steering systems varies in different tidal, fluvial and sea-going conditions including poor weather.

K14: Vessel cargo loading principles.

K15: The controls in place to ensure risks are managed when loading cargo.

K16: The principles of vessel navigation and the systems used.

K17: The types and purpose of navigational aids.

K18: A range of communication methods.

K19: The required communication procedures for shipboard operations. (e.g. flags)

K20: The importance of following a maintenance plan in regard to deck machinery and fittings to affect ship stability.

K21: Factors that affect seaworthiness and survivability.

K22: Procedures and regulations for preventing pollution of the marine environment.

K23: Legislation and organisational policies for equality and diversity in the workplace.

K24: How own role & the vessels they work on contribute to the organisation's overall objectives.

Skills

S1: Create/adapt access to/egress from the vessel that is needed for the situation, and within the limits of own responsibilities. For example, access to vehicle decks or walkways.

S2: Respond to all emergency and security situations on board in line with assigned duties.

S3: Assist with deployment and operations of emergency equipment applicable to the situation.

S4: Operate firefighting equipment appropriate to the situation and in accordance with procedures.

S5: Administer the right emergency first aid that is applicable to the situation.

S6: Assist with the safe handling of a vessel in a high traffic density environment in tidal and non-tidal conditions including in ports, locks and in the vicinity of obstructions and other fixed infrastructure.

S7: Assist with bridge look-out duties in line with organisational procedures whilst complying with industry regulations.

S8: Determine which deck operations to prioritise, to meet operational objectives, while maintaining safe practice.

S9: Maintain vessels in a safe and seaworthy condition in accordance with regulations and procedures. Assist with maintaining vessel machinery (including deck equipment) in full operational condition.

S10: Work as part of a team in order to achieve operational goals.

S11: Identify and follow organisational/industry procedures and working practices.

S12: Identify and report risks in accordance with own organisation's procedures.

S13: Select the appropriate communication method needed for the situation and the audience.

S14: Use appropriate mooring configurations and equipment in relation to the prevailing tidal, weather conditions and vessel design characteristics.

S15: Execute anchoring procedure as instructed.

S16: Minimise risks to marine pollution within limits of own operational responsibilities.

Behaviours

B1: Self-motivated with the ability to work independently and with integrity.

B2: Takes personal responsibility for their actions.

B3: Enable their own professional development, seeking opportunities to enhance their knowledge, skills and experience.

B4: Calm and effective under pressure.

B5: Promotes safety culture and best practices within own organisation.

B6: Promotes protection of the marine environment from pollution.

B7: Practices equality and diversity in accordance with organisational requirements.

b. Units which a Learner must have completed before the qualification will be awarded and any optional routes

IAMI do not stipulate any additional units beyond those listed in the Apprenticeship Standard that an apprentice must have completed prior to taking the qualification. Additional required units are at the discretion of the individual employers.

Units required as per this standard:

Award in Maritime Studies: Deck rating – SQA Code GC6K 62

Mandatory Units: Learners must complete the EIGHT Mandatory units to achieve all 12 credits

- SQA Unit Code Unit Title Regulator's Unit Code Level Credit value GLH TQT
- FA5M 54 Maritime Employment, Environmental and Health and Safety Practice D/616/6877 2 2 18 20
- FA5N 54 Survival in the Water during Maritime Emergencies Y/602/3071 2 1 8 8
- FA5T 54 Vessel Fire Prevention and Firefighting (STCW) T/502/5920 2 2 20 22
- FA5P 54 Maritime Security K/602/3866 2 1 8 8
- FA5R 54 Emergency First Aid in Response to Maritime Accidents or Medical Emergencies A/602/3872 2 1 7 7
- FN04 62 Basic Navigational Watchkeeping R/503/2146 2 2 18 20
- FN02 62 Vessel Ropework, Anchoring and Mooring Activities D/503/2148 2 2 18 20
- FN03 62 Assisting with Securing a Vessel for Passage Y/503/2147 2 1 8 10

Certificate in Maritime Studies: Able Seafarer (Deck) – SQA Code GK54 54

There are no optional routes for assessment on this apprenticeship standard.

Mandatory Units: Learners must achieve all 19 credits

SQA Unit Code Unit Title Regulator's Unit Code Level Credit value GLH TQT

- FA69 54 Maritime Sector Overview R/616/6777 2 3 26 30
- FA60 54 Vessel Ropework, Anchoring and Mooring Operations K/602/3897 2 5 46 50
- FA61 54 Securing a Vessel for Passage H/602/3901 2 3 26 28
- FA62 54 Vessel Construction and Stability T/602/3904 2 5 44 50
- FF2D 57 Control operation of survival craft and rescue boats T/616/6870 3 3 26 30

Additional Optional Unit: Learners may complete this unit; however, the credit will not count towards achievement of the qualification

SQA Unit Code Unit Title Regulator's Unit Code Level Credit value GLH TQT

- FF2D 57 Control operation of survival craft and rescue boats T/616/6870 3 3 26 30

c. Other requirements which a Learner must have satisfied before the Learner will be assessed or before the qualification will be awarded

Apprentices must have completed a minimum of 6 months seetime prior to EPA and a Training Record book.

IAMI do not stipulate any additional requirements beyond those listed in the Apprenticeship Standard that an apprentice must have completed prior to taking the qualification. Additional requirements are at the discretion of the individual employers.

3. Assessment

a. Knowledge, skills and understanding which will be assessed as part of the qualification

Assessment method 1: Interview

Knowledge

K10: How to respond to security issues in accordance with regulation and own organisation's policies.

K18: A range of communication methods.

K23: Legislation and organisational policies for equality and diversity in the workplace.

K24: How own role & the vessels they work on contribute to the organisation's overall objectives.

Skills

S8: Determine which deck operations to prioritise, to meet operational objectives, while maintaining safe practice.

S10: Work as part of a team in order to achieve operational goals.

S11: Identify and follow organisational industry procedures and working practices.

S12: Identify and report risks in accordance with own organisation's procedures.

S13: Select the appropriate communication method needed for the situation and the audience.

Behaviours

B1: Self-motivated with the ability to work independently and with integrity.

B2: Takes personal responsibility for their actions.

B3: Enable their own professional development, seeking opportunities to enhance their knowledge, skills and experience.

B4: Calm and effective under pressure.

B5: Promotes safety culture and best practices within own organisation.

B6: Promotes protection of the marine environment from pollution.

B7: Practices equality and diversity in accordance with organisational requirements.

Assessment method 2: MCA EDH exam

Knowledge

K1: Health and Safety policies that set out safe working practices.

K2: The range of onboard equipment and their applications (for instance ropes, access and lifting gear).

K3: The procedures for maintaining different types of vessel equipment (for instance ropes, access and lifting gear).

K4: The role of the helmsman in supporting safe navigation of the vessel.

K5: The role of bridge lookout in supporting safe navigation of the vessel.

K6: Vessel anchoring procedures.

K7: How different vessel designs influence mooring configurations.

K8: The procedures for working at height in accordance with organisational requirements.

K9: How risk assessments and permits to work help ensure a safe working environment.

K11: How to respond in the event of an emergency and the associated duties involved, including use of both fixed and portable installations (Fire Fighting Appliances) and Life Saving Appliances (LSA).

K12: The factors that impact vessel manoeuvrability.

K13: How the use of propulsion and steering systems varies in different tidal, fluvial and sea going conditions including poor weather.

K14: Vessel cargo loading principles.

K15: The controls in place to ensure risks are managed when loading cargo.

K16: The principles of vessel navigation and the systems used.

K17: The types and purpose of navigational aids.

K19: The required communication procedures for shipboard operations. (e.g. flags)

K20: The importance of following a maintenance plan in regard to deck machinery and fittings to affect ship stability.

K21: Factors that affect seaworthiness and survivability.

K22: Procedures and regulations for preventing pollution of the marine environment.

Skills

S1: Create/adapt access to/egress from the vessel that is needed for the situation, and within the limits of own responsibilities. For example, access to vehicle decks or walkways.

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S4: Operate firefighting equipment appropriate to the situation and in accordance with procedures.

S5: Administer the right emergency first aid that is applicable to the situation.

S6: Assist with the safe handling of a vessel in a high traffic density environment in tidal and non-tidal conditions including in ports, locks and in the vicinity of obstructions and other fixed infrastructure.

S7: Assist with bridge look-out duties in line with organisational procedures whilst complying with industry regulations.

S9: Maintain vessels in a safe and seaworthy condition in accordance with regulations and procedures. Assist with maintaining vessel machinery (including deck equipment) in full operational condition.

S14: Use appropriate mooring configurations and equipment in relation to the prevailing tidal, weather conditions and vessel design characteristics.

S15: Execute anchoring procedure as instructed.

S16: Minimise risks to marine pollution within limits of own operational responsibilities.

b. The method of any assessment and any associated requirements relating to it

This EPA has two assessment methods:

- Professional Discussion
- MCA EDH exam

The EPAO, in conjunction with the apprentice and their employer, will book assessment method 2 with the MCA's approved training provider, using the MCA's established booking process and requirements for EDH certification which are found on their website. The MCA sets the examination requirements for EDH. The MCA publishes a list of approved training providers that it appoints to deliver the EDH course and administer examinations on its behalf. These exams are conducted at frequent intervals throughout the year.

Independence is assured as the assessor appointed by the approved training provider will not have been directly involved in the apprentices on-programme training.

c. Criteria against which Learners' levels of attainment will be measured (such as assessment criteria or exemplars),

The assessment has been designed in accordance with the Apprenticeship End-Point Assessment plan found here: [st0274_seafarer_deckrating_l2_epa_c37_for_feb22em.pdf](#)

For this assessment, grading decisions are made as follows:

Assessment method 1 – Professional discussion

- Fail
- Pass
- Distinction

Assessment method 2 – MCA EDH Exam

- Fail
- Pass

Grades from individual assessment methods are combined in the following way to determine the grade of the EPA as a whole:

Assessment method 1- Interview underpinned by TRB	Assessment Method 2 – MCA EDH exam	Overall grading
Fail	Any grade	Fail
Any grade	Fail	Fail
Pass	Pass	Pass
Distinction	Pass	Distinction

The result from each assessment method is combined to decide on the overall apprenticeship grade. To achieve a pass, the apprentice must pass both assessment methods. If either assessment methods are failed, the apprentice will receive a grade of fail.

For each assessment method, the criteria against levels of attainment will be measured are:

Professional discussion

This assessment is created randomly from a bank of moderated questions contained within the IAMI question bank and will last for 50 minutes. The assessment is underpinned by the training record book; the assessor may ask the apprentice to use this to assist with their answers. The assessment contains at least 8 questions and grading is as follows:

1. Individual question grading

Distinction: 75% or over of the specimen answers provided at the pass grade plus 50% or over of the specimen answers provided at the distinction grade for that question should be given by the apprentice

Pass: over 50% of the range of specimen answers provided at the pass grade for that question should be given by the apprentice **OR** 50% of the pass grade answers plus at least one answer from the distinction grade.

Fail: less than 50% of the range of specimen answers provided at the pass grade for that question. For example, if four (4) specimen answers are provided and the apprentice provide only one (1) or less of these model answers then they will have failed that question.

2. Assessment grading:

Distinction: where over 50% of the correctly answered questions contains answers at the distinction level, and 90% or over of the questions have a pass grade, then an overall distinction grade will be awarded.

Pass: The apprentice has demonstrated competency in the required KSBs for this standard.

Fail: The apprentice has not demonstrated competency in the required KSBs for this standard.

Where any EPA cannot be completed, and therefore no grade is awarded, then this must be brought to the attention of the IAMI Secretariat at secretary@iami.org.uk

d. Specimen assessment materials

Due to the practical nature of the assessments, specimen assessment materials are not available.

4. Specified levels of attainment

Fail/Pass/Distinction.

5. Qualification level

This is a level 3 qualification.