



End Point Assessment Specification

Apprenticeship standard: ST0427 Marine Pilot

Link to apprenticeship standard:

<https://skillsengland.education.gov.uk/apprenticeships/st0427-v1-0>

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1. Qualification objective

A Marine Pilot has responsibility for the safe navigational conduct of a vessel throughout its passage from sea to berth or berth to sea. They also have a statutory duty to report any defects or deficiencies on the piloted vessel. A Marine Pilot will work closely with the Captain and other members of the crew, who may be of any nationality. They must also be able to use the vessels navigational and communications equipment, liaising with other vessels and the harbour marine control centre. Before boarding a vessel, a Marine Pilot is required to prepare a passage plan for the voyage from sea to berth or berth to sea. This will take into account the size, draft and operating characteristics of the vessel as well as tides, the marine environment and the weather and give consideration to any need for tugs to assist the manoeuvring.

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:

There are no mandatory certifications for this standard

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.

b. 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:

Skills – The ability to

- Plan an Act of Pilotage
- Embark and Disembark a vessel whilst underway and whilst alongside
- Assess standards on the piloted vessel
- Work effectively with the bridge team
- Liaise and communicate within the port jurisdiction, including correct use of the vessels communication and navigational equipment.
- Safely transit the pilotage district
- Manoeuvre vessels in harbours and their approaches

- Respond to problems and emergency situations
- Manage personal & professional conduct & development

Knowledge and understanding of:

- Navigation, bridge equipment and navigational aids
- Weather, and the effects of wind and current on the vessel
- Vessel handling and hydrodynamics including towage where required
- Bridge resource management
- Local, national and international legislation, codes of practice and guidance; for example knowing how and when to report deficiencies of the pilotage vessel.
- Vessels systems, including stability, strength, and construction
- Emergency response and personal safety
- Correct communications (e.g. vessel to vessel, vessel to shore) using standard marine vocabulary in relation to completing an act of pilotage safely.
- Health, Safety and survival techniques
- Marine environmental protection including responsibility to the vessel and port jurisdiction.
- Different types and designs of vessel
- Constraints and limitations of other craft on the water
- Planning an act of pilotage from boarding to disembarkation. Including but not limited to:
 - weather conditions.
 - vessel draft
 - proposed use of tug
 - proposed use of mooring boats and
 - time the berth is available.
- Continuing Professional Development

Behaviours – a marine pilot is expected to:

- Strive to achieve the best results in all they do; maintain a positive attitude and approach to their work even when priorities and working patterns change
- Take responsibility for own and others health, safety and security at all times
- Demonstrate integrity, credibility, honesty and personal drive; embody the organisations values, a belief in the services it offers and an interest in the industry
- Take ownership for own performance and training

c. 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:

There are no mandatory units

There are no optional units or pathways

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

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

All KSBs listed above

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

- Written Exam
- Professional Discussion
- Practical

- 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:

https://skillsengland.education.gov.uk/media/1693/st0427-_marine-pilot_l5_march-2018.pdf

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

Practical demonstration – Practical demonstrations are graded at either a pass or a fail. The assessor will decide if the apprentice has demonstrated competence in each of the areas assessed.

Written assessment - Where the EPA required a 120 minute closed book examination, this is created by qualified and experienced assessors and the questions internally moderated. The randomly selected question paper is transmitted securely by the IAMI Admin to the employer or assessment centre nominated by them following their agreement to invigilate the assessment. The time allowance for each paper is printed on each examination paper and must be adhered to by the invigilator.

On completion of the assessment all examinations scripts will be sent on-line to the nominated assessor, together with the associated model answer and marking scheme.

The marking scheme guides the assessor (as assigned marker) on which answers are assigned what marks allocated to each paper, so that all credit worthy responses for that question are rewarded appropriately. This marking scheme is also used to determine whether a second marker is required.

Each written exam will consist of 6 equally graded questions which the apprentice can achieve a distinction, pass or fail.

The assessment grading is as follows:

Distinction, Pass, Fail

Professional discussion

This assessment is created randomly from a bank of moderated questions contained within the IAMI question bank, the assessment is underpinned by the portfolio, the assessor may ask the apprentice to use this to assist with their answers. The assessment contains 12 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 can not 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

Distinction/Pass/Fail

5. Qualification level

Level 5