

# CERTIFICATE OF COMPETENCY EXAMINATION

EXAMINATIONS ADMINISTERED BY THE  
SCOTTISH QUALIFICATIONS AUTHORITY  
ON BEHALF OF  
MARITIME AND COASTGUARD AGENCY

SMALL VESSEL EOOW

**060-02 - OPERATIONAL PROCEDURES, BASIC HOTEL SERVICES AND SHIP CONSTRUCTION**

**FRIDAY, 09 May 2025**

**1400-1600 hrs**

Examination paper inserts:

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Notes for the guidance of candidates:

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| <ol style="list-style-type: none"><li>1. Candidates should note that 100 marks are allocated to this paper. To pass candidates must achieve 50 marks.</li><li>2. Non-programmable calculators may be used</li><li>3. All formulae used must be stated and the method of working and ALL intermediate steps must be made clear in the answer.</li></ol> |
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Materials to be supplied by examination centres:

Candidate's examination workbook
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## OPERATIONAL PROCEDURES, BASIC HOTEL SERVICES AND SHIP CONSTRUCTION

Attempt ALL questions

Marks for each part question are shown in brackets

1. With reference to the SOLAS requirements for conducting regular emergency musters and drills:

- (a) state the accepted emergency signal for calling crew and passengers to lifeboat muster stations; (2)
- (b) state when emergency drills must be carried out; (4)
- (c) list FOUR types of emergency drill that must be conducted on a regular basis. (4)

2. With reference to watchkeeping duties:

- (a) list the documentation to be referred to for details of watchkeeping duties and responsibilities; (3)
- (b) state TWO cases in which a watch should not be handed over to a relieving engineer; (2)
- (c) list FIVE alarms which should be tested on a regular basis. (5)

3. With reference to the international agreement governing the discharge of oil from ships:

- (a) state the name of the International Authority responsible for overseeing the legislation; (1)
- (b) state the name of the appropriate regulation; (1)
- (c) state what the abbreviation SOPEP stands for; (2)
- (d) explain the purpose of a SOPEP; (2)
- (e) list FOUR items of information a SOPEP should contain. (4)

4. With reference to bunkering procedures:

- (a) explain how the quantity of fuel delivered is checked allowing for temperature and density; (6)
- (b) state the procedure to be followed, in the case of dispute about the quantity of fuel delivered. (4)



5. (a) State the MARPOL Annex number which deals with the disposal of sewage. (1)
- (b) With reference to the Annex stated in part (a), state the rules for EACH of the following:
- (i) when the sewage is untreated; (2)
- (ii) when the sewage is comminuted and disinfected. (2)
- (c) Explain why the final discharge from an approved sewage treatment plant is chlorinated before discharge. (2)
- (d) Explain how chlorination is carried out and monitored. (2)
- (e) State the correct chlorine content of the final discharge. (1)
6. With reference to contamination of ships air conditioning systems by *Legionella Bacteria*:
- (a) state the FIVE main danger areas; (5)
- (b) outline FIVE counter measures which should be taken to reduce the risk of contamination. (5)
7. With reference to fresh water distilling plants, outline EACH of the following sterilisation methods:
- (a) chlorine sterilisation; (5)
- (b) silver-ion method of sterilisation. (5)
8. Describe, with the aid of a sketch, an active tank stabilisation system. (10)
9. With reference to a machinery space carbon dioxide smothering system:
- (a) state the regulation regarding the rate of flooding with respect to time; (4)
- (b) state the precautions to be taken before activating the system. (6)



10. Explain the meaning and purpose of EACH of the following terms:

- (a) flare; (2)
- (b) bulwark; (2)
- (c) coaming; (2)
- (d) freeing port; (2)
- (e) scupper. (2)