

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>SHIP KNOWLEDGE</b></p> <p><b>(Orals and Practical Examination)</b></p> <p><b>Section 1 - Design and Construction</b></p>	<p>A general understanding of the meaning of the terms Displacement, Deadweight, Draught, Freeboard, Load Line, Trim;</p> <p>(b) A general understanding of the effect on the stability of a small vessel of:</p> <p>Adding and removing weights. Disposition of passengers. Cargo. Ballast and fuel. Slack tanks. Water on deck.</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <p>1. Approved in-service experience</p> <p>Approved simulator training where appropriate</p>	<p>Actions to ensure and maintain the watertight integrity of the ship are in accordance with accepted practice</p>

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p style="text-align: center;"><b>Section 2</b></p> <p style="text-align: center;"><b>Stability</b></p> <p style="text-align: center;"><b>(Orals and Practical Examination)</b></p>	<p>A general understanding of the meaning of the terms Displacement, Deadweight, Draught, Freeboard, Load Line, Trim;</p> <p>(b) A general understanding of the effect on the stability of a small vessel of:</p> <p>Adding and removing weights. Disposition of passengers. Cargo. Ballast and fuel. Slack tanks. Water on deck.</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience</li> </ol> <p>Approved simulator training where appropriate</p>	<p>The stability conditions comply with the IMO intact stability criteria under all conditions of loading</p>

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>Section 3 - Maintenance and Repairs</b></p> <p><b>(Orals and Practical Examination)</b></p>	<ul style="list-style-type: none"> <li>(a) Methods of docking or slipping small vessels;</li> <li>(b) Maintenance of small vessels.</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ul style="list-style-type: none"> <li>1. Approved in-service experience</li> </ul> <p>Approved simulator training where appropriate</p>	

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>COASTAL NAVIGATION</b></p> <p><b>(2 hours Written Paper - Pass mark 70% and an Oral Examination)</b></p>	<ul style="list-style-type: none"> <li>(a) Relationship between compass, magnetic and true courses and bearings. Relative bearings. The use of a deviation card without mathematical interpolation. Finding the variation from the chart. Compass error from transit bearing or</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ul style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> </ul>	<p>The information obtained from navigational charts and publications is relevant, interpreted correctly and properly applied. All potential navigational hazards are accurately identified</p>

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

	<p>by bearings taken from a known position;</p> <p>(b) Laying off safe courses on a chart;</p> <p>(c) Measuring distances on a chart;</p> <p>(d) Ability to relate coastal features to a chart;</p> <p>(e) Appreciation of the effects of current and leeway on the course and speed of the vessel (without calculations). Recognition of the presence of either and/or both factors;</p> <p>(f) Fixing the vessel's position by simultaneous bearings, transits of coastal features, and by running fix;</p> <p>(g) Use of leading marks, clearing marks and transits;</p>	<p>3. Approved simulator training where appropriate.</p> <p>4. Approved laboratory equipment training</p> <p>Using charts, electronic navigation equipment, echo-sounding equipment, compass</p>	<p>The primary method of fixing the ship's position is the most appropriate to the prevailing circumstances and conditions. The position is determined within the limits of acceptable instruments/system errors.</p> <p>The reliability of the information obtained from the primary method of position fixing is checked at appropriate intervals</p> <p>Calculations and measurements of navigational information are accurate.</p> <p>The charts selected are the largest scale suitable for the area of navigation and charts are corrected in accordance with the latest information available.</p>
--	---	--	---

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

	<ul style="list-style-type: none"> <li>(h) Use of a single position line;</li> <li>(i) Use of soundings in determining position;</li> <li>(j) The information on a chart or plan, particularly buoyage, hazards to navigation, depth and nature of bottom, lights. Recognition of the coast. Selection of suitable points for bearings. Selection of a suitable anchorage or shelter;</li> <li>(k) Use of electronic navigational aids.</li> </ul>		<p>Errors in magnetic compass are determined and correctly applied to courses and bearings.</p>
--	--	--	---

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

<p><b>NAUTICAL KNOWLEDGE</b></p> <p><b>(Orals and Practical Examination)</b></p> <p><b>Section 1 - Marine Legislation</b></p>	<p>(a) A working knowledge of the laws relating to the following, with reference to small vessels:</p> <p>Lifesaving appliances.          Fire appliances.          Distress. Safety Signals. Musters and Drills.</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <p>1. Approved in-service experience</p> <p>Approved simulator training where appropriate</p>	
---	---	---	--

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p style="text-align: center;"><b>Section 2 – Meteorology</b></p>	<ul style="list-style-type: none"> <li>(a) The Beaufort scale;</li> <li>(b) A knowledge of basic meteorological terms;</li> <li>(c) To read and use an aneroid barometer.</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	<p>Data Meteorological information is correctly interpreted and applied.</p> <p>The likely weather conditions predicted for determined period are based on all available information</p> <p>Action taken to maintain safety of navigation minimize any risk to safety of the ship</p> <p>Reason for intended action are backed by statistical and observations of the actual weather conditions</p>

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

<b>Competence</b>	<b>Knowledge, understanding and proficiency</b>	<b>Methods for demonstrating competency</b>	<b>Criteria for evaluating competency</b>
<p><b>Section 3 - Protection of the Environment</b></p>	<p>A working knowledge of the laws relating to the protection of the environment including the pollution of the sea by oil and other dumping.</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	<p>Procedures for monitoring shipboard operations and ensuring compliance with MARPOL requirements are fully observed.</p>



Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

<p><b>Section 4 - Cargo Operations</b> <b>(Orals and Practical Examination)</b></p>	<ul style="list-style-type: none"> <li>(a) An outline knowledge of the safe use of cargo-handling gear;</li> <li>(b) The safe handling, stowage and carriage of common cargoes including hazardous goods;</li> <li>(c) Precautions to be taken before entering holds, tanks and void spaces;</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> </ol> <p>Approved laboratory equipment training</p>	<p>Stowage and securing of cargoes ensures that stability and stress condition remain within safe limits at all times during the voyage</p>
---	---	---	---

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

<b>Section 5 - Navigational Safety</b>	<p>A working knowledge of the content and application of: Collision regulations. Distress signals. Buoyage systems;</p> <p>(b) A working knowledge of the content of publications and marine notices with respect to: Search and Resuce. Navigational warnings (including firing practices). Precautions concerning submarine cables and pipelines. Other information relating to the safe navigation of a small vessel in coastal waters.</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> </ol> <p>Approved laboratory equipment training</p>	<p>A proper look-out is maintained at all times and in such a way as to conform to accepted principles and procedures</p> <p>A proper look-out is maintained at all times and in such a way as to conform to accepted principles and procedures</p> <p>Appropriate to the urgency of the situation and nature of the emergency.</p> <p>The distress or emergency signal is immediately recognized</p>
--	--	---	---

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

<p><b>Section 6 - Practical Seamanship</b></p>	<ul style="list-style-type: none"> <li>(a) Knots, hitches and bends in common use;</li> <li>(b) Eye splice, short splice and back splice of fibre and synthetic ropes;</li> <li>(c) Eye splice in wire rope;</li> <li>(d) Care in use of rope, wire and chains. Determination of breaking strain and S.W.L.;</li> <li>(e) Rigging stages, bosun's chairs and rope ladders;</li> <li>(f) Knowledge of the gear used in cargo work and an understanding of its uses. Maintenance of wires, blocks and shackles. Rigging a derrick and appreciating the maximum load that may be handled as rigged;</li> <li>(g) Driving a winch and windlass; use of the</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ul style="list-style-type: none"> <li>4. Approved in-service experience,</li> <li>5. Approved training ship experience</li> <li>6. Approved simulator training where appropriate.</li> </ul> <p>Approved laboratory equipment training</p>	
--	---	---	--

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

	<p>windlass in anchor work;</p> <p>(h) Safe handling of moorings;</p> <p>(i) Stowage of cable and securing anchors for sea;</p> <p>(j) Securing hatches, doors, skylights, air pipes, etc;</p> <p>(k) Lashing and securing cargo, particularly deck cargo.</p>		
--	--	--	--

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>Section 7 - Instruments</b></p>	<p>A working knowledge of the use of the bridge equipment including: compass, azimuth mirror, automatic pilot, hand lead-line, bottom and streamed logs;</p> <p>(b) Care, maintenance and siting of magnetic compasses;</p> <p>Precautions against magnetic and electrical disturbances</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>Section 8 - Vessel Handling</b></p>	<p>Berthing and unberthing;</p> <p>(b) Anchoring and clearing and anchorage: precautions while at anchor;</p> <p>(c) Conning the vessel: effect of propellers on the steering of a vessel: turning a vessel short round;</p> <p>(d) Effect of current, wind and shallows on manoeuvring;</p> <p>(e) Manoeuvring a small vessel in harbours;</p> <p>(f) Dangers of manoeuvring and passing too close to vessels in a narrow channel;</p> <p>(g) Emergency manoeuvres:</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

	<p>Emergency stops, beaching, anchoring and man overboard;</p> <p>(h) Towing and being towed;</p> <p>(i) Management of a small vessel in heavy weather, use of oil;</p> <p>(j) Handling of a small vessel in swell and breakers;</p> <p>(k) Duties at sea, at anchor, and in port;</p>		
--	--	--	--

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>Section 9 - Safety Equipment and Emergency Procedures.</b></p>	<ul style="list-style-type: none"> <li>Use and care of lifesaving appliances;</li> <li>(b) Use and care of fire fighting appliances;</li> <li>(c) Prevention of fire, fire fighting, the fire triangle;</li> <li>(d) Action to be taken in the event of fire, collision, grounding and damage to the vessel;</li> <li>(e) Precautions for the protection and safety of passengers and crew in emergency situation;</li> <li>(f) Abandoning the vessel;</li> <li>(g) Rescuing survivors from the water, another vessel or ditched aircraft;</li> <li>(j) Assisting a vessels in distress.</li> </ul>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	



Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competency	Criteria for evaluating competency
<p><b>Section 10 - Communications.</b></p>	<p style="text-align: center;"><b>RADIOTELEPHONE COMMUNICATIONS</b></p> <p style="text-align: center;"><b>(Orals and Practical Examination)</b></p> <p>To ensure that candidates are competent in the operation of the radio telephone, in particular its use with respect to distress, urgency, safety and navigational messages;</p> <p>A practical knowledge of the working and adjustment of radiotelephone equipment;</p> <p>Ability to send and receive correctly messages by telephone;</p> <p>A knowledge of the Radiocommunication Regulations for the time being in force under the Telecommunications Convention relating to the exchange of radiotelephone communications, to interference,</p>	<p>Examination and assessment of evidence obtained from one or more of the following:</p> <ol style="list-style-type: none"> <li>1. Approved in-service experience,</li> <li>2. Approved training ship experience</li> <li>3. Approved simulator training where appropriate.</li> <li>4. Approved laboratory equipment training</li> </ol>	

Specifications of minimum standard of competence for: Deck Officer Class V

- (a) Command of vessels of up to 500 Gross tons engaged in operations in "Appendix A" of Schedule VI;
- (b) Command of vessels of less than 200 Gross tons engaged in operations in "Appendix B" of Schedule VI;
- (c) Officer in charge of a navigational watch of vessels up to 1600 Gross tons operating in "Appendix A, B, C " of Schedule VI

	<p>and to the Distress, Urgency and Safety Signals;</p> <p>A knowledge of the precautions necessary for the safety of approval radiotelephone equipment.</p>		
--	--	--	--

**Particular Requirements:**

- (a) (i) Eighteen months approved sea service, including 1 year of service obtained within the previous 5 years on vessels engaged in operations appropriate to the Certificate of Competency required or;
- (ii) Twelve months approved service, as above, and successful completion of Maritime Studies at the Seychelles Polytechnic or any other recognised educational Institution.
- (b) Minimum age 20 years.
- (c) To qualify for the issue of the Certificate of Competency —
  - (i) in addition to obtaining a satisfactory pass at all parts of the examination candidates must produce a medical certificate to indicate physical and medical fitness, including hearing and form and colour vision.
  - (i) holder of a restricted radio licence as issued by a competent authority;
  - (ii) Hire Craft Coxswain if hire craft under 2 miles – 4 months’ sea service and successful completion of aforesaid maritime studies;

if hire craft under 10 miles – 4 months’ sea service after holding a hire craft under 2 miles certificate of competency; or

if hire craft under 60 miles – 4 months’ sea services after holding a hire craft under 10 miles certificate of competency