



Coastal pilotage: Restricted licence

Required education for alternative pathways

You must meet these STCW A-II/2 competency standards at a minimum if you are applying through pathway A, B or C.

Required Competence	Knowledge and Proficiency	Demonstrating Competence	Approved Maritime Training Package Code or approved equivalents	Evaluation Criteria
Plan a voyage and conduct navigation	Voyage planning and navigation for all areas of the Compulsory pilotage area, taking into account: • Restricted waters • Meteorological conditions • Restricted visibility • Traffic separation schemes • Vessel traffic service areas • Tidal conditions • Routing in accordance with the Queensland coastal passage plan.	In service mentored coastal pilotage experience. Approved Simulator.	MARH021	Training course Transcript or evidence of satisfactory course completion. Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.
Determine position and accuracy of position fix by any means	Advanced knowledge and proficiency of Position determination in all conditions.	Approved laboratory equipment training-using Radar, GNSS, SBASS, Nautical	MARH021	Training course Transcript or evidence of satisfactory course completion.



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	- By terrestrial observation, including the ability to use appropriate charts, notice to mariners and other publications to assess the accuracy of the resulting position fix. - Use of modern electronic navigational aids, with specific knowledge of their operating principles, limitations, sources of error detection of misrepresentation of information and methods of correct to obtain accurate position fixing.	Charts, sounders, log, azimuth.		Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.
Coordinate search and rescue operations	A thorough knowledge of and the ability to apply the procedures contained in the IAMSAR Manual.	In service mentored coastal pilotage experience. Approved Simulator. Approved SAR Training Course.	MARF036	Training course Transcript or evidence of satisfactory course completion. Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.



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Maintain safe navigation through the use of information to assist command decision making	- An advanced understanding and appreciation of system errors of navigational systems. - Blind pilotage planning. - Evaluation of navigational information derived from all sources in order to make an implement a command. - Decision for Collision avoidance. - Directing the safe navigation of the vessel. - The interrelationship and optimum use of all navigational data available for conducting Navigation.	In service mentored coastal pilotage experience. Approved Simulator. Approved laboratory equipment training- Radar, GNSS, SBASS, Nautical Charts.	MARH024	Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.
Maintain the safety of navigation through the use of ECDIS, and PPUs	Advanced knowledge and proficiency of: - System information and system configurations - Create routes and perform safety checking.	In service mentored coastal pilotage experience. Approved Simulator. Approved laboratory	MARH023	Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.



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	• Use of playback functionality for passage review route planning. • Updating including the ability to update system version in accordance with vendors requirements. • Understand licensing and updating of chart data and system software to confirm to SMS procedures. • Advanced knowledge of system modes.	equipment training ECDIS.		
Forecast weather and Oceanographic conditions	• Ability to understand and interpret a synoptic chart and to forecast weather, considering information received from the Bureau of Meteorology. • Knowledge of characteristics of various weather system including tropical revolving storms.	In service mentored coastal pilotage experience. Training Course as approved by AMSA.	MARH020	AMSA Coastal Pilotage Oral Examination.



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	- Ability to calculate tidal conditions. - Knowledge of ocean currents in the Great Barrier Reef.			
Respond to Navigational Emergencies	- Actions to be taken if grounding is imminent and after grounding. - Refloating a grounded ship. - Action to be taken if collision is imminent and following a collision or impairment of the watertight integrity of the hull. - Emergency Steering. - Emergency Towing arrangements and Procedures.	Approved Simulator. Training Course as approved by AMSA.	MARF039	Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.
Manoeuvre and handle a ship in all conditions	Manoeuvring and handling a ship in all conditions, including: manoeuvres when approaching pilot stations and embarking or disembarking pilots, with due regard to	In service mentored coastal pilotage experience. Approved Simulator. Approved manned scale ship model.	MARK010	Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.



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	weather, tide, headreach and stopping distances. • handling ship in rivers, estuaries and restricted waters, having regard to the effects of current, wind and restricted water on helm response. • application of constant rate-of-turn techniques. • manoeuvring in shallow water, including the reduction in under-keel clearance caused by squat, rolling and pitching. • interaction between passing ships and between own ship and nearby banks (canal effect). • use of propulsion and manoeuvring systems. • choice of anchorage; anchoring with one or two anchors in			



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	limited anchorages and factors involved in determining the length of anchor cable to be used. • ability to determine the manoeuvring and propulsion characteristics of common types of ships, with special reference to stopping distances and turning circles at various draughts and speeds. • importance of navigating at reduced speed to avoid damage caused by own ships bow wave and stern wave. • use of, and manoeuvring in and near, traffic separation schemes and in vessel traffic service (VTS) areas.			
Operate remote controls of propulsion plant	• Operating principles of marine power plants.	In service mentored coastal pilotage experience.	MARC055	Successful CPPC Attempt.



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	- Ships auxiliary machinery. - General knowledge of marine engineering terms	Approved Simulator. Training Course as approved by AMSA.		AMSA Coastal Pilotage Oral Examination.
Understand Trim, Stability, Stress and Under keel clearance	- Understanding of fundamental principles of ship construction and the theories and factors affecting trim and stability and measures necessary to preserve trim and stability. - Knowledge of the effect on trim and stability of a ship in the event of damage to and consequent flooding of a compartment and countermeasures to be taken. - Knowledge of IMO recommendations concerning ship stability.	In service mentored coastal pilotage experience. Approved simulator training where appropriate. Training Course as approved by AMSA.	MARA023	AMSA Coastal Pilotage Oral Examination.
Monitor and control compliance with legislative requirements	Knowledge of international maritime law embodied in international agreements and	AMSA Coastal Pilotage Oral Examination.	MARD006	Successful CPPC Attempt.



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	conventions in particularly with The Great Barrier Reef and The Torres Strait and Particularly Sensitive Sea Areas.	In service mentored coastal pilotage experience. Approved simulator training where appropriate. Training Course as approved by AMSA.		AMSA Coastal Pilotage Oral Examination.
Use of leadership and managerial skill	Knowledge and ability to apply effective resource management: • allocation, assignment, and prioritization of resources. • effective communication on board and ashore. • decisions reflect consideration of team experiences. • assertiveness and leadership, including motivation. • obtaining and maintaining situation awareness. Knowledge and ability to apply	In service mentored coastal pilotage experience. Approved simulator training where appropriate. Training Course as approved by AMSA.	MARG008	Successful CPPC Attempt. AMSA Coastal Pilotage Oral Examination.



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	decision-making techniques: • situation and risk assessment. • identify and generate options. • selecting course of action. • evaluation of outcome effectiveness.			