

MATF

Preparatory Course for Examination Leading to Local Craft Coxswain Grade 2 Certificate of Competency

Aims

This course aims to provide complementary nautical knowledge to those preparing for the examination of Grade 2 Coxswains Certificate of Competency in the Marine Department, Hong Kong Special Administrative Region (HKSAR). The course also targets those who intend to enrich their nautical knowledge for the safe navigation in Hong Kong Waters.

Objectives

Those who successfully complete this course should be able to undertake the examination of Grade 2 Coxswains Certificates of Competency conducted by the Marine Department, HKSAR and acquire the core knowledge of nautical studies in accordance with the Chapter 7.2 of “Examination Rules for Local Certificates of Competency” issued by the Marine Department. Participants will be guided to implement safety awareness as required by “International Regulation for Preventing Collisions at Sea 1972 (COLREGs)” and relevant Hong Kong Merchant Shipping Ordinances, which include, but are not limited to:

1. keeping proper lookout on navigation watch;
2. ensuring professional standard of “Officer-in-Charge” of navigation;
3. observing the practices of COLREGs;
4. acquaint the knowledge of Chart work and seamanship practices;
5. observing marine local knowledge and relevant regulations;
6. possessing the knowledge of stability, cargo stowage and ship handling;
7. enhancing emergency response on life-saving at sea with proper distress procedures; and
8. ensuring that navigation equipment is properly operated, tested, calibrated and maintained, if any.

Curriculum

This course comprises 2 parts. It is conducted in Chinese supplemented with English. Course materials and assessment will be in Chinese.

Part A (Written Examination and Chart Work)

- Introduction
- Local Knowledge, Pilotage and Port Regulations
- Ship Stability
- Seamanship and Shiphandling
- Chart Work and Pilotage

Part B (Oral Examination)

- Collision Regulations, Buoyage & Emergencies

Revision & Mock Examination

Course Outline

Part A

1. Introduction
 - 1.1 Course Overview
 - 1.2 Objectives
 - 1.3 Mechanism of Grade 2 Coxswain examination
 - 1.4 Criterion of Grade 2 Coxswain

2. Local Knowledge, Pilotage and Port Regulations
 - 2.1 Sheltered waters in Hong Kong Waters
 - 2.2 Traffic separation scheme and fairways in Hong Kong Waters
 - 2.3 Local rules related to port infrastructure
 - 2.4 Anti-pollution in Hong Kong Waters
 - 2.5 Towing operations
 - 2.6 International and local storm signals
 - 2.7 Navigational Warnings & practices of reporting marine incidents

2.8 Marine radio communications via VHF

3 Ship Stability

- 3.1 Equilibrium states and its effect on ship stability
- 3.2 Precautions and resultant moment of Free Surface effect
- 3.3 Effect of ship stability by alteration/shift of weights on board
- 3.4 Effect of ship stability by lifting weights with own lifting gear
- 3.5 Loadline marks and its danger of overloading
- 3.6 Bilging effect and loss of buoyancy

4 Seamanship and Shiphandling

- 4.1 General theory of ship handling
- 4.2 Determining risk of collision and proper use of radar
- 4.3 Procedures to mitigate heavy weather at sea
- 4.4 Rescue person overboard
- 4.5 Anchoring works
- 4.6 Safe practices and knowledge of towing operation
- 4.7 Hazards of interaction between ships/shore
- 4.8 Introduction of Search & Rescue System in Hong Kong Waters
- 4.9 Preparation and procedures on the approach of a tropical storm
- 4.10 Maintenance of life-saving & firefighting gears
- 4.11 Cautions on handling dangerous goods on board
- 4.12 Operation in assisting other vessels in distress
- 4.13 Safe working practices of rope works & lifting gears
- 4.14 Mooring operations
- 4.15 Precautions of entry into enclosed spaces

5 Chart Work and Pilotage

- 5.1 Chart symbols and usage of chart plotting equipment
- 5.2 Bearings, Transits Bearings, Courses, Compass error
- 5.3 Position plotting by means of bearing/distance & knowledge of Latitude/Longitude
- 5.4 Voyage planning, tidal effect and prediction of tides

Part B

Collision Regulations, Buoyage & Emergencies

- Familiarization of COLREG and its usage
- Buoyage system in Hong Kong Waters
- Emergency response in marine incidents
- Distress/urgency procedures
- Abandon ship procedures
- Navigational aids

Instructor

The qualification of instructors will be holder of Foreign-going Class 2 (Deck) Certificate of Competency or above with relevant training experience. Capt. H. L. Tong, who is a holder of Seagoing Class 1 (Deck) Certificate of Competency and an ex-examiner of Foreign-going Certificate of Competency in the Marine Department, HKSAR has been invited to be the instructor for this course.

Capt. Tong retired from the Marine Department in the year 2010. During his tenure in the Marine Department, he was a surveyor of ships (Nautical) serving in the Marine Accident Investigation Section for 8 years and in the Seafarers' Certification Section as an examiner for Certificates of Competency as Seagoing and River Trade Deck Officers for 5 years. In his early career, he was a Seagoing Deck Officers and subsequently the Master of a container ship. He was also the Master of High-Speed Craft playing Hong Kong to Macau.

Academically, Capt. Tong obtained his Certificate of Competency as Class 1 Deck Officer in Hong Kong and a Bachelor Degree in Maritime Commerce in the Cardiff University (Formally known as the University of Wales Institute of Science and Technology) in Wales, United Kingdom.

Target Participants

Any person who intends to take the Grade 2 Coxswain Examination or interested in enhancing the knowledge of ship safety and safe navigation in Hong Kong Waters.

Entry Requirement

No entry standard is required, however, those with working experience on local vessels and/or managing fleet(s) of local vessels will be admitted with priority.

Duration and Mode of Study

90 hours (30 evenings), Part Time

Classes and Venue

Classes will be held on weekdays (two days a week) from 6:30 pm to 9:30 pm at classroom of The Hong Kong Polytechnic University, Hung Hom, Kowloon.

Assessment and Award

Participants who have achieved a minimum of 80% attendance will be awarded a Certificate by The Hong Kong Polytechnic University and Institute of Seatransport.

Fees

HK\$10,000[#]

[#]This course is supported by the Professional Training and Examination Refund Scheme (ProTERS) of the Maritime and Aviation Training Fund (MATF). Eligible applicants are refunded with 80% of the fees after completing approved courses, subject to a cap of \$18,000.

Deadline of Application

16th September 2016 (Fri)

Commencement

26th September 2016 (Mon)

Contact Us

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MATF: <http://www.thb.gov.hk/eng/whatsnew/transport/2014/20140401.htm>