



Transport Malta

**Master on Yachts Less Than 3000 GT
(STCW Regulation II/2)**

**Model Course 2.01
2022 Edition**

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Course Framework

Aim

This course aims to give trainees the essential education and training to be eligible to undergo examinations leading to a certificate of competency as Master on yachts less than 3000 GT (STCW Regulation II/2).

Enrolment Standards

Hold one of the following recognised qualifications:

- A recognised Certificate of Competency as Chief Mate on yachts less than 3000 GT (STCW Regulation II/2)
or
- A recognised Certificate of Competency as Master on yachts less than 500 GT (STCW Regulation II/2)
or
- A recognised Certificate of Competency attesting a higher capacity than those mentioned above.

Requirements to be eligible for a certificate of competency as Master on yachts less than 3000 GT

As a minimum the individual must:

- Have accumulated either:
 - A total of 24 months of approved seagoing service:
 - 24 months as Officer in Charge of a Navigational Watch on vessels not less than 24 m LOA or 80 GT in length whilst holding a certificate of competency as Officer in Charge of a Navigational Watch on yachts less than 3000 GT or a higher qualification, of which, at least *3 months in the capacity of Officer in Charge of a Navigational Watch on vessels over 500 GT.
 - or**
 - A total of 15 months of approved seagoing service:
 - 12 months as Chief Mate on vessels not less than 24 m LOA or 80 GT whilst holding a certificate of competency as Chief Mate on yachts less than 3000 GT or as Master on yachts less than 500 GT or a higher qualification; **and**
 - *3 months in the capacity of Officer in Charge of a Navigational Watch or Chief Mate on vessels over 500 GT, whilst holding a certificate of competency as Officer in Charge of a Navigational Watch on yachts less than 3000 GT or higher.
 - or**
 - A total of 12 months of approved seagoing service:
 - 12 months as Chief Officer on vessels over 500 GT whilst holding a certificate of competency as Chief Mate on yachts less than 3000 GT or Master on yachts less than 500 GT or a higher qualification.
 - or**
 - A total of 15 months of approved seagoing service:
 - 12 months as Master on yachts not less than 24 m LOA or 80 GT whilst holding a certificate of competency as Master on yachts less than 500 GT; **and**
 - *3 months in the capacity of Officer in Charge of a Navigational Watch or Chief Mate on vessels over 500 GT, whilst holding a certificate as Officer in Charge of a Navigational Watch less than 3000 GT or higher.



*Seagoing service shall be accumulated within 5 years preceding the submission of an application for the issue of a certificate of competency as Master on yachts less than 3000 GT.

- Have successfully completed an approved training programme including passing the following examinations:
 - Business and Law (*candidates who have previously successfully passed a Transport Malta (TM) Business and Law exam may be exempted*)
 - Oral exam.
- Submit documentary evidence of valid related mandatory underlying training:
 - Basic Safety Training
 - Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats
 - Advanced Fire Fighting
 - Medical Care On Board Ships
 - RADAR / ARPA Management Level
 - GMDSS General Operator's Certificate
 - Use of Leadership and Managerial Skills
 - ECDIS

Important to note: It is to be made clear that where applicable, the above-mentioned documents need to be Certificates of Proficiency (CoP) issued in terms of the STCW Convention and by a Whitelist Party to the Convention and not Certificates of Completion, unless these are Certificates of Completion issued by a Transport Malta (TM) accredited training centre.

Total Duration

The total duration of the course shall amount to a minimum of 100 hours.

Course Outline

Course Outline	Approximate Duration (Hours)
Simulator and Classroom Training	60
Oral Preparation	40
Total Hours	100

Class Size

Trainee / instructor ratio shall not exceed 14:1 at any time whilst practical sessions are to be conducted with a trainee / instructor ratio not exceeding 7:1 at any time unless an assistant instructor is assisting in the delivery of the course.

Staff Requirements

All instructors must be previously approved by the Merchant Shipping Directorate of the Authority for Transport in Malta in accordance with the Standards for Qualifications of Instructors.

Training Facilities and Equipment

Ordinary classroom facilities including a whiteboard and a screen / overhead projector shall be available for the lectures. In addition, facilities are to be available for chart-work and demonstrations. When making use of audio-visual material such as DVDs, the appropriate equipment is to be used. Furthermore, other equipment or material shall be used to enhance the learning experience of trainees, such as, models of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) buoys.



The following equipment shall be available to assist in delivering the course:

- A certified full mission bridge simulator
- Ship models
- Meteorological instruments
- IALA model buoys
- Magnetic Compass

Publications (suggested)

- Norrie's Nautical Tables
- Navigational charts
- Chart Symbols NP5011
- Admiralty Sailing Directions
- Admiralty ALRS Pilot Services, Vessel Traffic and Port Operations
- Admiralty ALRS Meteorological Observation Stations
- Admiralty List of Lights and Fog Signals
- Admiralty List of Radio Signals
- ICS Bridge Procedure Guide
- IMO Standard Marine Communication Phrases (SMCP)
- Regulations and Notices to Mariners issued by Transport Malta
- Maltese Legislation and Yacht code
- International Code of Signals (ICS)
- IMO IRPCS 1972
- IMO SOLAS 1978
- Admiralty NP100 Mariners Handbook
- IMO Life Saving Appliance Code (LSA Code 2015)
- International Convention for the Prevention of Pollution from Ships (MARPOL 1974)
- International Aeronautical and Maritime Search and Rescue Manual (IAMSAR Manual)
- ILO Maritime Labor Convention (MLC) 2006
- Meteorology Coding booklet
- Synoptic charts.



Detailed Teaching Syllabus

Outcome 1: IAMSAR

- Thorough knowledge of and ability to apply the procedures contained in the IAMSAR
- Show what appropriate action one would take when presented with different emergency scenarios both in port and at sea
- Explain how one would handle a SAR situation with a good knowledge of the IAMSAR Vol. III

Outcome 2: COLREGS and IALA Buoyage Systems (A and B)

- Thorough knowledge of the content, application, and intent of the COLREGS '72 as amended
- Take appropriate action when presented with different collision avoidance scenarios and explaining why that action was taken
- Have a thorough knowledge of the distress signals as listed in COLREGS Annex IV
- Have a thorough knowledge of the IALA buoyage system
- Be able to safely navigate around several buoys when presented with a series of buoys
- Understand the limitations of using buoys for navigation

Outcome 3: Emergency Situations

- Decision making in the capacity of a Master in emergency situations, such as:
- Beaching
- Grounding (before, after and re-floating)
- Collision (before and after)
- Damage Control
- Fire
- MOB

Outcome 4: Simulator Training

Manoeuvring and handling a Yacht in all conditions, including:

- Demonstrating the principles of basic manoeuvres using vessel models considering wind and current, with or without tug assistance
- Berthing and unberthing under various conditions of wind, tide and current, with and without tugs
- When approaching pilot stations and embarking and disembarking pilots, with due regard to head reach and stopping distances
- Handling yachts in rivers, estuaries, and restricted waters, having due regard to the effects of current, wind and restricted water on the helm response
- Application of constant rate of turn techniques
- Interaction between passing ships and between own ship and nearby banks (canal effect)
- Ship and tug interaction
- Management and handling of ships in heavy weather
- Towing operations
- Use and correct handling of navigational instruments used by navigational officers
- Working effectively in a bridge team



Outcome 5: Review of Legislation, Codes and Conventions

- Application of the relevant Maltese and international legislation to yachts of less than 3000 GT include the Malta Yacht Code
- An understanding of the recommendations and requirements made by the COSWOP
- A general understanding of the relevant parts of UNCLOS and other relevant IMO conventions and codes to yachts less than 3000 GT
- Knowledge of relevant Yacht / Ship Surveys, Certificates, and other related documents
- Knowledge of the legislation related to crew and how to handle certain situations that might arise.

The following subjects are to be covered within the above 5 Outcomes during the planned lessons, simulator training and oral preparedness as these will also be assessed during the examinations:

- Plan and conduct safe navigation
 - Establishing safe navigational watchkeeping arrangements and procedure
 - Compasses
 - Ship Manoeuvring
 - Response to Navigational Emergencies
 - Response to other Emergencies
 - Compliance with pollution requirements
 - Seaworthiness of the ship
 - Crew management
 - Maintain safety of ships' crew and passengers
 - Legislative Requirements.
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