



MCAST

## **Institute of Engineering and Transport Centre for Maritime Studies**

### **MASTER AND CHIEF MATE** *STCW Regulation II/2*

### **COURSE**

#### **COURSE FRAMEWORK**

##### **Aims**

This course aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-II/2 of the STCW Code for:

- Function 1 - Navigation at the Management Level;
- Function 2 – Cargo Handling and Stowage at the Management Level; and
- Function 3 – Background knowledge to support Controlling the Operation of the Ship and care for Persons on Board at the Management Level.

##### **Objectives**

This course comprises three Functions at the Management Level. On successful completion of this course and the requisite watch-keeping experience, officers will be prepared for taking full responsibility for the safety of the ship, its passengers, crew and cargo. The officers will be aware of their obligations under international agreements and conventions concerning safety and the protection of the marine environment and will be prepared for taking the practical measures necessary to meet those obligations.

The syllabus covers the requirements of the STCW Code, Chapter II, Section A-II/2.

***Function 1 – Navigation at Management Level:***

This functional element provides the detailed knowledge to support the training outcomes related to Navigation at Management Level.

This section provides the background knowledge to support the tasks, duties and responsibilities in:

- Planning a voyage and conducting navigation
- Determining position and the accuracy of resultant position fix by any means
- Determining and allowing for compass errors
- Coordinating search and rescue operations
- Establishing watch-keeping arrangements and procedures
- Maintaining safe navigation through information from navigation equipment and systems to assist command decision making
- Forecasting weather and oceanographic conditions
- Response to navigational emergencies
- Manoeuvring and handling a ship in all conditions
- Operation of remote controls of propulsion plant and engineering systems and services.

***Function 2 – Cargo Handling and Stowage at the Management Level***

This function elements provides the detailed knowledge to support the training outcomes related to Cargo Handling and Stowage at Management Level.

This section provides the background knowledge to support the tasks, duties and responsibilities in:

- Planning safe loading, stowage, securing and care during the voyage and unloading of cargoes
- The carriage of dangerous goods.
- Operations and carriage of dangerous, hazardous and harmful cargoes.

***Function 3 – Controlling the Operation of the Ship and Care for Persons on Board at the Management Level***

This functional element provides the detailed knowledge to support the training outcomes related to controlling the Operation of the Ship and Care for Persons on Board at Management Level.

This section provides the background knowledge to support the tasks, duties and responsibilities in:

- Controlling trim, stability and stress
- Monitoring and controlling compliance with legislation to ensure safety of life at sea
- Protection of the environment

- Maintaining safety and security of crew and passengers
- Developing emergency and damage control plans
- Organising and managing the crew
- Organising and providing medical care onboard.

This includes topics such as ship construction and stability, dry-docking, search and rescue, personnel management and contingency planning.

## **Course Delivery**

### ***Course Intake Limitations***

The Centre for Maritime Studies's present policy is to limit the class size to a maximum of 12 officers. This is in line with the classroom equipment availability and also to allow the Instructor to give adequate attention to individual officers.

### ***Entry Standards***

This course is principally intended for officers for certification as Master and Chief Mate on ships of 500 GT or more. Entrants should have successfully completed a course covering the minimum standards required for certification as Officer in Charge of a Navigational Watch on ships of 500 GT or more (refer to IMO Model Course 7.03, Officer in Charge of a Navigational Watch). In addition the officers should have completed approved seagoing service as Officer in Charge of a Navigational Watch in accordance with STCW Convention, 1978, as amended, Regulation II/2, para 2 prior to certification. Notice Of Eligibility is required from Transport Malta prior registering for this course at MCAST.

### ***Course Certificate***

On successful completion of the course, the officers then apply to TM to sit for the necessary examinations that, if successful, lead to the issuance of the STCW Reg II/2 Chief Mate or the Master Certificate Of Competence. This is done by completing the TM's Form 'Application to be examined under the Provisions of the Merchant Shipping (Training and Certification) Regulations, 2013. This Form is counter signed by MCAST – Centre for Maritime Studies as evidence that the officer has successfully completed the approved training course at the Centre for Maritime Studies. TM will then organise the examinations which are carried out locally at MCAST. For the Oral examination TM appoints an examiner.

*Duration* : The duration of this course is one year full time.

## ***Teaching Facilities and Equipment***

The Centre for Maritime Studies has a number of classrooms available for the delivery of this course, all of which are fully equipped with the standard classroom teaching equipment, namely, visual monitors/ whiteboard / interactive board. The following items are also available for use in group work:

### *Function 1:*

- For the practical components of this an approved bridge simulator is available at the Centre for Maritime Studies.

### *Functions 2 & 3:*

- A collection of photographs, drawings and plans, illustrating various types of ship and constructional details are provided, models also can be used to reinforce this knowledge.

## **STCW Regulation II/2 Master's Oral Examination Course**

### **COURSE FRAMEWORK**

#### **Aims**

This course aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-II/2 of the STCW Code, in particular, from the perspective as a Master, for:

- *Function 1 - Navigation at the Management Level;*
- *Function 2 – Cargo Handling and Stowage at the Management Level;*
- *Function 3 – Background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.*

#### **Objectives**

On successful completion of this course and the requisite watch-keeping experience, Deck Officers will be prepared for taking full responsibility, as Masters, for the safety of the ship, its passengers, crew and cargo. The officers will be aware of their obligations under international agreements and conventions concerning safety and the protection of the marine environment and will be prepared for taking the practical measures necessary to meet those obligations. The syllabus covers the requirements of the STCW Code, Chapter II, Section A-II/2.

## **Course Delivery**

### Course Intake Limitations

The Centre for Maritime Studies's present policy is to limit the class size to a maximum of 12 officers. This is in line with the classroom equipment availability and also to allow the Instructor to give adequate attention to individual officers.

## **Entry Standards**

This course is principally intended for officers for certification as Master on ships of 500 GT or more (STCW Reg II/2). Entrants should be in possession of a valid STCW Certificate of Competency as Chief Mate on ships of 500 GT or more (STCW Reg II/2) and should have completed a minimum of 36 months approved seagoing service as Deck Officer; however, this period may be reduced to not less than 24 months if not less than 12 months of such seagoing service has been served as Chief Mate. Notice Of Eligibility is required from Transport Malta prior registering for this course at MCAST.

## **Course Certificate**

On successful completion of the course, the officers are then required to apply to TM to sit for the Master's oral examination that, if successful, lead to the issuance of the STCW Reg II/2 Master's Certificate of Competency. The Deck Officers must also have completed the required ancillary courses. This is done by completing the TM's Form 'Application to be examined under the Provisions of the Merchant Shipping (Training and Certification) Regulations, 2013. This Form is counter signed by MCAST – Centre for Maritime Studies as evidence that the officer has successfully completed the approved training course at the Centre for Maritime Studies. TM will then organise the oral examination by appointing an examiner.

## **Teaching Facilities and Equipment**

The Centre for Maritime Studies has a number of classrooms available for the delivery of this course, all of which are fully equipped with the standard classroom teaching equipment, namely, visual monitor / whiteboard / interactive board and flipchart.

## **Course outline**

*Duration* : The duration of this course is 4 weeks.

### *Course content*

This course is primarily concerned with the preparation of the Deck Officers to answer the Master's Oral Examiner's questions. The course has no fixed timetable and the tutorials take the form of formal lectures, demonstrations, group discussions, questions and answers sessions and also one-to-one mock examinations.

The course syllabus follows the main three Functions as per the Master & Chief Mate Course, namely:

- ***Function 1 - Navigation at the Management Level;***
- ***Function 2 – Cargo Handling and Stowage at the Management Level***
- ***Function 3 – Background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.***