

CHAPTER II

MASTER AND DECK DEPARTMENT

Regulation II/1

**Mandatory minimum requirements for certification of officers
in charge of a navigational watch on ships of 500 gross tonnage or more**

- 1 Every officer in charge of a navigational watch serving on a seagoing ship of 500 gross tonnage or more shall hold an appropriate certificate.
- 2 Every candidate for certification shall:
 - .1 be not less than 18 years of age;
 - .2 have approved seagoing service of not less than one year as part of an approved training programme which includes on-board training which meets the requirements of section A-II/1 of the STCW Code and is documented in an approved training record book, or otherwise have approved seagoing service of not less than three years;
 - .3 have performed, during the required seagoing service, bridge watchkeeping duties under the supervision of the master or a qualified officer for a period of not less than six months;
 - .4 meet the applicable requirements of the regulations in chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations; and
 - .5 have completed approved education and training and meet the standard of competence specified in section A-II/1 of the STCW Code.

Regulation II/2

**Mandatory minimum requirements for certification of masters and chief
mates on ships of 500 gross tonnage or more**

Master and chief mate on ships of 3,000 gross tonnage or more

- 1 Every master and chief mate on a seagoing ship of 3,000 gross tonnage or more shall hold an appropriate certificate.
- 2 Every candidate for certification shall:
 - .1 meet the requirements for certification as an officer in charge of a navigational watch on ships of 500 gross tonnage or more and have approved seagoing service in that capacity:
 - .1.1 for certification as chief mate, not less than 12 months, and
 - .1.2 for certification as master, not less than 36 months; 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; and

- .2 have completed approved education and training and meet the standard of competence specified in section A-II/2 of the STCW Code for masters and chief mates on ships of 3,000 gross tonnage or more.

Master and chief mate on ships of between 500 and 3,000 gross tonnage

3 Every master and chief mate on a seagoing ship of between 500 and 3,000 gross tonnage shall hold an appropriate certificate.

4 Every candidate for certification shall:

- .1 for certification as chief mate, meet the requirements of an officer in charge of a navigational watch on ships of 500 gross tonnage or more;
- .2 for certification as master, meet the requirements of an officer in charge of a navigational watch on ships of 500 gross tonnage or more and have approved seagoing service of not less than 36 months in that capacity; 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, and
- .3 have completed approved training and meet the standard of competence specified in section A-II/2 of the STCW Code for masters and chief mates on ships of between 500 and 3,000 gross tonnage.

Regulation II/3

Mandatory minimum requirements for certification of officers in charge of a navigational watch and of masters on ships of less than 500 gross tonnage

Ships not engaged on near-coastal voyages

1 Every officer in charge of a navigational watch serving on a seagoing ship of less than 500 gross tonnage not engaged on near-coastal voyages shall hold an appropriate certificate for ships of 500 gross tonnage or more.

2 Every master serving on a seagoing ship of less than 500 gross tonnage not engaged on near-coastal voyages shall hold an appropriate certificate for service as master on ships of between 500 and 3,000 gross tonnage.

Ships engaged on near-coastal voyages

Officer in charge of a navigational watch

3 Every officer in charge of a navigational watch on a seagoing ship of less than 500 gross tonnage engaged on near-coastal voyages shall hold an appropriate certificate.

4 Every candidate for certification as officer in charge of a navigational watch on a seagoing ship of less than 500 gross tonnage engaged on near-coastal voyages shall:

- .1 be not less than 18 years of age;
- .2 have completed:

- .2.1 special training, including an adequate period of appropriate seagoing service as required by the Administration, or
- .2.2 approved seagoing service in the deck department of not less than three years;
- .3 meet the applicable requirements of the regulations in chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations; and
- .4 have completed approved education and training and meet the standard of competence specified in section A-II/3 of the STCW Code for officers in charge of a navigational watch on ships of less than 500 gross tonnage engaged on near-coastal voyages.

Master

5 Every master serving on a seagoing ship of less than 500 gross tonnage engaged on near-coastal voyages shall hold an appropriate certificate.

6 Every candidate for certification as master on a seagoing ship of less than 500 gross tonnage engaged on near-coastal voyages shall:

- .1 be not less than 20 years of age;
- .2 have approved seagoing service of not less than 12 months as officer in charge of a navigational watch; and
- .3 have completed approved education and training and meet the standard of competence specified in section A-II/3 of the STCW Code for masters on ships of less than 500 gross tonnage engaged on near-coastal voyages.

7 Exemptions

The Administration, if it considers that a ship's size and the conditions of its voyage are such as to render the application of the full requirements of this regulation and section A-II/3 of the STCW Code unreasonable or impracticable, may to that extent exempt the master and the officer in charge of a navigational watch on such a ship or class of ships from some of the requirements, bearing in mind the safety of all ships which may be operating in the same waters.

Regulation II/4

Mandatory minimum requirements for certification of ratings forming part of a navigational watch

1 Every rating forming part of a navigational watch on a seagoing ship of 500 gross tonnage or more, other than ratings under training and ratings whose duties while on watch are of an unskilled nature, shall be duly certificated to perform such duties.

2 Every candidate for certification shall:

- .1 be not less than 16 years of age;
- .2 have completed:

- .2.1 approved seagoing service including not less than six months training and experience, or
- .2.2 special training, either pre-sea or on board ship, including an approved period of seagoing service which shall not be less than two months; and
- .3 meet the standard of competence specified in section A-II/4 of the STCW Code.

3 The seagoing service, training and experience required by sub-paragraphs 2.2.1 and 2.2.2 shall be associated with navigational watchkeeping functions and involve the performance of duties carried out under the direct supervision of the master, the officer in charge of the navigational watch or a qualified rating.

4 Seafarers may be considered by the Party to have met the requirements of this regulation if they have served in a relevant capacity in the deck department for a period of not less than one year within the last five years preceding the entry into force of the Convention for that Party.

CHAPTER III

ENGINE DEPARTMENT

Regulation III/1

Mandatory minimum requirements for certification of officers in charge of an engineering watch in a manned engine-room or designated duty engineers in a periodically unmanned engine-room

- 1 Every officer in charge of an engineering watch in a manned engine-room or designated duty engineer officer in a periodically unmanned engine-room on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more shall hold an appropriate certificate.
- 2 Every candidate for certification shall:
 - .1 be not less than 18 years of age;
 - .2 have completed not less than six months seagoing service in the engine department in accordance with section A-III/1 of the STCW Code; and
 - .3 have completed approved education and training of at least 30 months which includes on-board training documented in an approved training record book and meet the standards of competence specified in section A-III/1 of the STCW Code.

Regulation III/2

Mandatory minimum requirements for certification of chief engineer officers and second engineer officers on ships powered by main propulsion machinery of 3,000 kW propulsion power or more

- 1 Every chief engineer officer and second engineer officer on a seagoing ship powered by main propulsion machinery of 3,000 kW propulsion power or more shall hold an appropriate certificate.
- 2 Every candidate for certification shall:
 - .1 *meet the requirements for certification as an officer in charge of an engineering watch and:*
 - .1.1 for certification as second engineer officer, shall have not less than 12 months' approved seagoing service as assistant engineer officer or engineer officer, and
 - .1.2 for certification as chief engineer officer, shall have not less than 36 months' approved seagoing service of which not less than 12 months shall have been served as an engineer officer in a position of responsibility while qualified to serve as second engineer officer; and
 - .2 have completed approved education and training and meet the standard of competence specified in section A-III/2 of the STCW Code.

Regulation III/3

Mandatory minimum requirements for certification of chief engineer officers and second engineer officers on ships powered by main propulsion machinery of between 750 kW and 3,000 kW propulsion power

1 Every chief engineer officer and second engineer officer on a sea-going ship powered by main propulsion machinery of between 750 and 3,000 kW propulsion power shall hold an appropriate certificate.

2 Every candidate for certification shall:

.1 meet the requirements for certification as an officer in charge of an engineering watch and:

.1.1 for certification as second engineer officer, shall have not less than 12 months' approved seagoing service as assistant engineer officer or engineer officer, and

.1.2 for certification as chief engineer officer, shall have not less than 24 months' approved seagoing service of which not less than 12 months shall be served while qualified to serve as second engineer officer; and

.2 have completed approved education and training and meet the standard of competence specified in section A-III/3 of the STCW Code.

3 Every engineer officer who is qualified to serve as second engineer officer on ships powered by main propulsion machinery of 3,000 kW propulsion power or more, may serve as chief engineer officer on ships powered by main propulsion machinery of less than 3,000 kW propulsion power, provided that not less than 12 months' approved seagoing service shall have been served as an engineer officer in a position of responsibility and the certificate is so endorsed.

Regulation III/4

Mandatory minimum requirements for certification of ratings forming part of a watch in a manned engine-room or designated to perform duties in a periodically unmanned engine-room

1 Every rating forming part of an engine-room watch or designated to perform duties in a periodically unmanned engine-room on a seagoing ship powered by main propulsion machinery of 750 kW propulsion power or more, other than ratings under training and ratings whose duties are of an unskilled nature, shall be duly certificated to perform such duties.

2 Every candidate for certification shall:

.1 be not less than 16 years of age;

.2 have completed:

.2.1 approved seagoing service including not less than six months training and experience, or

.2.2 special training, either pre-sea or on board ship, including an approved period of seagoing service which shall not be less than two months; and

.3 meet the standard of competence specified in section A-III/4 of the STCW Code.

3 The seagoing service, training and experience required by sub-paragraphs 2.2.1 and 2.2.2 shall be associated with engine-room watchkeeping functions and involve the performance of duties carried out under the direct supervision of a qualified engineer officer or a qualified rating.

4 Seafarers may be considered by the Party to have met the requirements of this regulation if they have served in a relevant capacity in the engine department for a period of not less than one year within the last five years preceding the entry into force of the Convention for that Party.

CHAPTER IV
RADIOCOMMUNICATION AND RADIO PERSONNEL

Explanatory note:

Mandatory provisions relating to radio watchkeeping are set forth in the Radio Regulations and in the International Convention for the Safety of Life at Sea, 1974, as amended. Provisions for radio maintenance are set forth in the International Convention for the Safety of Life at Sea, 1974, as amended, and the guidelines adopted by the Organization.

Regulation IV/1

Application

1 Except as provided in paragraph 3, the provisions of this chapter apply to radio personnel on ships operating in the global maritime distress and safety system (GMDSS) as prescribed by the International Convention for the Safety of Life at Sea, 1974, as amended.

2 Until 1 February 1999, radio personnel on ships complying with the provisions of the International Convention for the Safety of Life at Sea, 1974, in force immediately prior to 1 February 1992 shall comply with the provisions of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978, in force prior to 1 December 1992.

3 Radio personnel on ships not required to comply with the provisions of the GMDSS in chapter IV of the SOLAS Convention are not required to meet the provisions of this chapter. Radio personnel on these ships are, nevertheless, required to comply with the Radio Regulations. The Administration shall ensure that the appropriate certificates as prescribed by the Radio Regulations are issued to or recognized in respect of such radio personnel.

Regulation IV/2

Mandatory minimum requirements for certification of GMDSS radio personnel

1 Every person in charge of or performing, radio duties on a ship required to participate in the GMDSS shall hold an appropriate certificate related to the GMDSS, issued or recognized by the Administration under the provisions of the Radio Regulations.

2 In addition, every candidate for certification under this regulation for service on a ship which is required by the International Convention for the Safety of Life at Sea, 1974, as amended, to have a radio installation shall:

- .1 be not less than 18 years of age; and
- .2 have completed approved education and training and meet the standard of competence specified in section A-IV/2 of the STCW Code.

CHAPTER V

SPECIAL TRAINING REQUIREMENTS FOR PERSONNEL ON CERTAIN TYPES OF SHIPS

Regulation V/1

Mandatory minimum requirements for the training and qualification of masters, officers and ratings on tankers

1 Officers and ratings assigned specific duties and responsibilities related to cargo or cargo equipment on tankers shall have completed an approved shore-based fire-fighting course in addition to the training required by regulation VI/1 and shall have completed:

- .1 at least three months of approved seagoing service on tankers in order to acquire adequate knowledge of safe operational practices; or
- .2 an approved tanker familiarization course covering at least the syllabus given for that course in section A-V/1 of the STCW Code,

so however that, the Administration may accept a period of supervised seagoing service shorter than that prescribed by sub-paragraph .1, provided:

- .3 the period so accepted is not less than one month;
- .4 the tanker is of less than 3,000 gross tonnage;
- .5 the duration of each voyage on which the tanker is engaged during the period does not exceed 72 hours; and
- .6 the operational characteristics of the tanker and the number of voyages and loading and discharging operations completed during the period, allow the same level of knowledge and experience to be acquired.

2 Masters, chief engineer officers, chief mates, second engineer officers and any person with immediate responsibility for loading, discharging and care in transit or handling of cargo shall, in addition to meeting the requirements of sub-paragraphs 1.1 or 1.2, have:

- .1 experience appropriate to their duties on the type of tanker on which they serve; and
- .2 completed an approved specialized training programme which at least covers the subjects set out in section A-V/1 of the STCW Code that are appropriate to their duties on the oil tanker, chemical tanker or liquefied gas tanker on which they serve.

3 Within two years after the entry into force of the Convention for a Party, seafarers may be considered to have met the requirements of sub-paragraph 2.2 if they have served in a relevant capacity on board the type of tanker concerned for a period of not less than one year within the preceding five years.

4 Administrations shall ensure that an appropriate certificate is issued to masters and officers, who are qualified in accordance with paragraphs 1 or 2 as appropriate, or that an existing certificate is duly endorsed. Every rating who is so qualified shall be duly certificated.

Regulation V/2

Mandatory minimum requirements for the training and qualifications of masters, officers, ratings and other personnel on ro-ro passenger ships

- 1 This regulation applies to masters, officers, ratings and other personnel serving on board ro-ro passenger ships engaged on international voyages. Administrations shall determine the applicability of these requirements to personnel serving on ro-ro passenger ships engaged on domestic voyages.
- 2 Prior to being assigned shipboard duties on board ro-ro passenger ships, seafarers shall have completed the training required by paragraphs 4 to 8 below in accordance with their capacity, duties and responsibilities.
- 3 Seafarers who are required to be trained in accordance with paragraphs 4, 7 and 8 below shall, at intervals not exceeding five years, undertake appropriate refresher training.
- 4 Master, officers and other personnel designated on muster lists to assist passengers in emergency situations on board ro-ro passenger ships shall have completed training in crowd management as specified in section A-V/2, paragraph 1 of the STCW Code.
- 5 Masters, officers and other personnel assigned specific duties and responsibilities on board ro-ro passenger ships shall have completed the familiarization training specified in section A-V/2, paragraph 2 of the STCW Code.
- 6 Personnel providing direct service to passengers in passenger spaces on board ro-ro passenger ships shall have completed the safety training specified in section A-V/2, paragraph 3 of the STCW Code.
- 7 Masters, chief mates, chief engineer officers, second engineer officers and every person assigned immediate responsibility for embarking and disembarking passengers, loading, discharging or securing cargo, or closing hull openings on board ro-ro passenger ships shall have completed approved training in passenger safety, cargo safety and hull integrity as specified in section A-V/2, paragraph 4 of the STCW Code.
- 8 Masters, chief mates, chief engineer officers, second engineer officers and any person having responsibility for the safety of passengers in emergency situations on board ro-ro passenger ships shall have completed approved training in crisis management and human behaviour as specified in section A-V/2, paragraph 5 of the STCW Code.
- 9 Administrations shall ensure that documentary evidence of the training which has been completed is issued to every person found qualified under the provisions of this regulation.

CHAPTER VI
EMERGENCY, OCCUPATIONAL SAFETY, MEDICAL
CARE AND SURVIVAL FUNCTIONS

Regulation VI/1

**Mandatory minimum requirements for familiarization,
basic safety training and instruction for all seafarers**

Seafarers shall receive familiarization and basic safety training or instruction in accordance with section A-VI/1 of the STCW Code and shall meet the appropriate standard of competence specified therein.

Regulation VI/2

**Mandatory minimum requirements for the issue of certificates of proficiency
in survival craft, rescue boats and fast rescue boats**

- 1 Every candidate for a certificate of proficiency in survival craft and rescue boats other than fast rescue boats shall:
 - .1 be not less than 18 years of age;
 - .2 have approved seagoing service of not less than 12 months or have attended an approved training course and have approved seagoing service of not less than six months; and
 - .3 meet the standard of competence for certificates of proficiency in survival craft and rescue boats set out in section A-VI/2, paragraphs 1 to 4 of the STCW Code.
- 2 Every candidate for a certificate of proficiency in fast rescue boats shall:
 - .1 be the holder of a certificate of proficiency in survival craft and rescue boats other than fast rescue boats;
 - .2 have attended an approved training course; and
 - .3 meet the standard of competence for certificates of proficiency in fast rescue boats set out in section A-VI/2, paragraphs 5 to 8 of the STCW Code.

Regulation VI/3

Mandatory minimum requirements for training in advanced fire-fighting

- 1 Seafarers designated to control fire-fighting operations shall have successfully completed advanced training in techniques for fighting fire with particular emphasis on organization, tactics and command in accordance with the provisions of section A-VI/3 of the STCW Code and shall meet the standard of competence specified therein.
- 2 Where training in advanced fire-fighting is not included in the qualifications for the certificate to be issued, a special certificate or documentary evidence, as appropriate, shall be issued indicating that the holder has attended a course of training in advanced fire-fighting.

Regulation VI/4

**Mandatory minimum requirements relating to medical first aid
and medical care**

- 1 Seafarers designated to provide medical first aid on board ship shall meet the standard of competence in medical first aid specified in section A-VI/4, paragraphs 1 to 3 of the STCW Code.
- 2 Seafarers designated to take charge of medical care on board ship shall meet the standard of competence in medical care on board ships specified in section A-VI/4, paragraphs 4 to 6 of the STCW Code.
- 3 Where training in medical first aid or medical care is not included in the qualifications for the certificate to be issued, a special certificate or documentary evidence, as appropriate, shall be issued indicating that the holder has attended a course of training in medical first aid or in medical care.

CHAPTER VII

ALTERNATIVE CERTIFICATION

Regulation VII/1

Issue of alternative certificates

1 Notwithstanding the requirements for certification laid down in chapters II and III of this Annex, Parties may elect to issue or authorize the issue of certificates other than those mentioned in the regulations of those chapters, provided that:

- .1 the associated functions and levels of responsibility to be stated on the certificates and in the endorsements are selected from and identical to those appearing in sections A-II/1, A-II/2, A-II/3, A-II/4, A-III/1, A-III/2, A-III/3, A-III/4 and A-IV/2 of the STCW Code;
- .2 the candidates have completed approved education and training and meet the requirements for standards of competence, prescribed in the relevant sections of the STCW Code and as set forth in section A-VII/1 of this Code, for the functions and levels that are to be stated on the certificates and in the endorsements;
- .3 the candidates have completed approved seagoing service appropriate to the performance of the functions and levels that are to be stated on the certificate. The minimum duration of seagoing service shall be equivalent to the duration of seagoing service prescribed in chapters II and III of this Annex. However, the minimum duration of seagoing service shall be not less than as prescribed in section A-VII/2 of the STCW Code;
- .4 the candidates for certification who are to perform the function of navigation at the operational level shall meet the applicable requirements of the regulations in chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations; and
- .5 the certificates are issued in accordance with the requirements of regulation I/9 and the provisions set forth in chapter VII of the STCW Code.

2 No certificate shall be issued under this chapter unless the Party has communicated information to the Organization in accordance with article IV and regulation I/7.

Regulation VII/2

Certification of seafarers

1 Every seafarer who performs any function or group of functions specified in tables A-II/1, A-II/2, A-II/3 or A-II/4 of chapter II or in tables A-III/1, A-III/2, A-III/4 of chapter III or A-IV/2 of chapter IV of the STCW Code, shall hold an appropriate certificate.

Regulation VII/3

Principles governing the issue of alternative certificates

1 Any Party which elects to issue or authorize the issue of alternative certificates shall ensure that the following principles are observed:

- .1 no alternative certification system shall be implemented unless it ensures a degree of safety at sea and has a preventive effect as regards pollution at least equivalent to that provided by the other chapters; and
- .2 any arrangement for alternative certification issued under this chapter shall provide for the interchangeability of certificates with those issued under the other chapters.

2 The principle of interchangeability in paragraph 1 shall ensure that:

- .1 seafarers certificated under the arrangements of chapters II and/or III and those certificated under chapter VII are able to serve on ships which have either traditional or other forms of shipboard organization; and
- .2 seafarers are not trained for specific shipboard arrangements in such a way as would impair their ability to take their skills elsewhere.

3 In issuing any certificate under the provisions of this chapter the following principles shall be taken into account:

- .1 the issue of alternative certificates shall not be used in itself:
 - .1 to reduce the number of crew on board,
 - .2 to lower the integrity of the profession or "de-skill" seafarers, or
 - .3 to justify the assignment of the combined duties of the engine and deck watchkeeping officers to a single certificate holder during any particular watch; and
- .2 the person in command shall be designated as the master; and the legal position and authority of the master and others shall not be adversely affected by the implementation of any arrangement for alternative certification.

4 The principles contained in paragraphs 1 and 2 of this regulation shall ensure that the competency of both deck and engineer officers is maintained.

CHAPTER VIII
WATCHKEEPING

Regulation VIII/1

Fitness for duty

Each Administration shall, for the purpose of preventing fatigue:

- .1 establish and enforce rest periods for watchkeeping personnel; and
- .2 require that watch systems are so arranged that the efficiency of all watchkeeping personnel is not impaired by fatigue and that duties are so organized that the first watch at the commencement of a voyage and subsequent relieving watches are sufficiently rested and otherwise fit for duty.

Regulation VIII/2

Watchkeeping arrangements and principles to be observed

- 1 Administrations shall direct the attention of companies, masters, chief engineer officers and all watchkeeping personnel to the requirements, principles and guidance set out in the STCW Code which shall be observed to ensure that a safe continuous watch or watches appropriate to the prevailing circumstances and conditions are maintained in all seagoing ships at all times.
- 2 Administrations shall require the master of every ship to ensure that watchkeeping arrangements are adequate for maintaining a safe watch or watches, taking into account the prevailing circumstances and conditions and that, under the master's general direction:
 - .1 officers in charge of the navigational watch are responsible for navigating the ship safely during their periods of duty, when they shall be physically present on the navigating bridge or in a directly associated location such as the chartroom or bridge control room at all times;
 - .2 radio operators are responsible for maintaining a continuous radio watch on appropriate frequencies during their periods of duty;
 - .3 officers in charge of an engineering watch, as defined in the STCW Code and under the direction of the chief engineer officer, shall be immediately available and on call to attend the machinery spaces and, when required, shall be physically present in the machinery space during their periods of responsibility; and
 - .4 an appropriate and effective watch or watches are maintained for the purpose of safety at all times, while the ship is at anchor or moored and, if the ship is carrying hazardous cargo, the organization of such watch or watches takes full account of the nature, quantity, packing and stowage of the hazardous cargo and of any special conditions prevailing on board, afloat or ashore.