

ANNEX I

TRAINING REQUIREMENTS OF THE STCW CONVENTION, REFERRED TO IN ARTICLE 3

CHAPTER I

GENERAL PROVISIONS

1. The Regulations referred to in this Annex are supplemented by the mandatory provisions contained in Part A of the STCW Code with the exception of Chapter VIII, Regulation VIII/2.

Any reference to a requirement in a Regulation also constitutes a reference to the corresponding section of Part A of the STCW Code.

2. Member States shall ensure that seafarers possess adequate language proficiency, as defined in Sections A-II/1, A-III/1, A-IV/2 and A-II/4 of the STCW Code so as to enable them to perform their specific duties on a vessel flying the flag of a host Member State.
3. Part A of the STCW Code contains standards of competence required to be demonstrated by candidates for the issue, and revalidation of certificates of competency under the provisions of the STCW Convention. To clarify the linkage between the alternative certification provisions of Chapter VII and the certification provisions of Chapters II, III and IV, the abilities specified in the standards of competence are grouped as appropriate under the following seven functions:
 1. Navigation;
 2. Cargo handling and stowage;
 3. Controlling the operation of the ship and care for persons on board;
 4. Marine engineering;
 5. Electrical, electronic and control engineering;
 6. Maintenance and repair;
 7. Radio communications,

at the following levels of responsibility:

1. Management level;
2. Operational level;
3. Support level.

Functions and levels of responsibility are identified by subtitle in the tables of standards of competence given specified in Chapters II, III and IV of the Part A of the STCW Code.

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:
 - 2.1. be not less than 18 years of age;
 - 2.2. 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;
 - 2.3. 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;
 - 2.4. meet the applicable requirements of the regulations in Chapter IV, as appropriate, for performing designed radio duties in accordance with the Radio Regulations;
 - 2.5. 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:
 - 2.1. 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:
 - 2.1.1. for certification as chief mate, not less than 12 months; and
 - 2.1.2. 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;
 - 2.2. 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:

- 4.1. 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;
- 4.2. 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;
- 4.3. 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:
 - 4.1. be not less than 18 years of age;
 - 4.2. have completed:
 - 4.2.1. special training, including an adequate period of appropriate seagoing service as required by the Administration; or
 - 4.2.2. approved seagoing service in the deck department of not less than three years;
 - 4.3. meet the applicable requirements of the regulations in Chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations;
 - 4.4. 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 a near-coastal voyages shall:
 - 6.1. be not less than 20 years of age;

- 6.2. have approved seagoing service of not less than 12 months as officer in charge of a navigational watch;
- 6.3. 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:
 - 2.1. be not less than 16 years of age;
 - 2.2. have completed:
 - 2.2.1. approved seagoing service including not less than six months training and experience; or
 - 2.2.2. special training, either pre-sea or on board ship, including an approved period of seagoing service which shall not be less than two months;
 - 2.3. meet the standard of competence specified in Section A-II/4 of the STCW Code.
- 3. The seagoing service, training and experience required by points 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 a Member State 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 preceding the entry into force of the STCW Convention for that Member State.

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:
 - 2.1. be not less than 18 years of age;
 - 2.2. have completed not less than six months seagoing service in the engine department in accordance with Section A-III/1 of the STCW Code;
 - 2.3. 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:
 - 2.1. meet the requirements for certification as an officer in charge of an engineering watch and:
 - 2.1.1. for certification as a second engineer officer, shall have not less than 12 months approved seagoing service as assistant engineer officer or engineer officer; and
 - 2.1.2. 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;
 - 2.2. 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 seagoing 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:
 - 2.1. meet the requirements for certification as an officer in charge of an engineering watch and:
 - 2.1.1. for certification as second engineer officer, shall have not less than 12 months approved seagoing service as assistant engineer officer or engineer officer; and

- 2.1.2. 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;
- 2.2. 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:
 - 2.1. be not less than 16 years of age;
 - 2.2. have completed:
 - 2.2.1. approved seagoing service including not less than six months training and experience; or
 - 2.2.2. special training, either pre-sea or on board ship, including an approved period of seagoing service which shall not be less than two months;
 - 2.3. meet the standard of competence specified in Section A-III/4 of the STCW Code.
- 3. The seagoing service, training and experience required by points 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 a Member State 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 STCW Convention for that Member State.

CHAPTER IV

RADIO COMMUNICATION AND RADIO PERSONNEL

Explanatory note

Mandatory provisions relating to radio watchkeeping are set forth in the Radio Regulations and in the SOLAS 74, as amended. Provisions for radio maintenance are set forth in the SOLAS 74, as amended, and the guidelines adopted by the International Maritime Organisation.

Regulation Application

IV/1

1. Except as provided in point 2, 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 SOLAS 74, as amended.
2. Radio personnel on ships not required to comply with the provisions of the GMDSS in Chapter IV of the SOLAS 74 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 recognised in respect of such radio personnel.

Regulation Mandatory minimum requirements for certification of GMDSS radio personnel

IV/2

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 recognised 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 SOLAS 74, as amended, to have a radio installation shall:
 - 2.1. be not less than 18 years of age; and
 - 2.2. 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 Mandatory minimum requirements for the training and qualification of masters, officers and ratings on tankers

V/1

1. Officers and ratings assigned specific duties and responsibilities relating to cargo or cargo equipment on tankers shall have completed an approved shore-based firefighting course in addition to the training required by Regulation VI/1 and shall have completed:
 - 1.1. at least three months of approved seagoing service on tankers in order to acquire adequate knowledge of safe operational practices; or
 - 1.2. an approved tanker-familiarisation course covering at least the syllabus given for that course in Section A-V/1 of the STCW Code.

However the Administration may accept a period of supervised seagoing service shorter than that prescribed by point 1.1, provided:
- 1.3. the period so accepted is not less than one month;

- 1.4. the tanker is of less than 3 000 gross tonnage;
- 1.5. the duration of each voyage on which the tanker is engaged during the period does not exceed 72 hours;
- 1.6. 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 point 1.1 or 1.2, have:
 - 2.1. experience appropriate to their duties on the type of tanker on which they serve; and
 - 2.2. completed an approved specialised 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 STCW Convention for a Member State, seafarers may be considered to have met the requirements of point 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 points 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 points 4 to 8 in accordance with their capacities, duties and responsibilities.
3. Seafarers who are required to be trained in accordance with points 4, 7 and 8 shall at intervals not exceeding five years undertake appropriate refresher training or be required to provide evidence of having achieved the required standard of competence within the previous five years.
4. Masters, 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 familiarisation 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.

Regulation V/3 Mandatory minimum requirements for the training and qualifications of masters, officers, ratings and other personnel on passenger ships other than ro-ro passenger ships

1. This Regulation applies to masters, officers, ratings and other personnel serving on board passenger ships, other than ro-ro passenger ships, engaged on international voyages. Administrations shall determine the applicability of these requirements to personnel serving on passenger ships engaged on domestic voyages.
2. Prior to being assigned shipboard duties on board passenger ships, seafarers shall have completed the training required by points 4 to 8 in accordance with their capacity, duties and responsibilities.
3. Seafarers who are required to be trained in accordance with points 4, 7 and 8 shall, at intervals not exceeding five years, undertake appropriate refresher training or be required to provide evidence of having achieved the required standard of competence within the previous five years.
4. Personnel designated on muster lists to assist passengers in emergency situations on board passenger ships shall have completed training in crowd management as specified in Section A-V/3, paragraph 1, of the STCW Code.
5. Masters, officers and other personnel assigned specific duties and responsibilities on board passenger ships shall have completed the familiarisation training specified in Section A-V/3, paragraph 2, of the STCW Code.
6. Personnel providing direct service to passengers on board passenger ships in passenger spaces shall have completed the safety training specified in Section A-V/3, paragraph 3, of the STCW Code.
7. Masters, chief mates and every person assigned immediate responsibility for embarking and disembarking passengers shall have completed approved training in passenger safety as specified in Section A-V/3, 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 passenger ships shall have completed approved training in crisis management and human behaviour as specified in Section A-V/3, paragraph 5, of the STCW Code.

9. Administrations shall ensure that documentary evidence of the training which has been completed is issued for 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 familiarisation, basic safety training and instruction for all seafarers

Seafarers shall receive familiarisation 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:
 - 1.1. be not less than 18 years of age;
 - 1.2. 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;
 - 1.3. 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:
 - 2.1. be the holder of a certificate of proficiency in survival craft and rescue boats other than fast rescue boats;
 - 2.2. have attended an approved training course;
 - 2.3. 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 firefighting

1. Seafarers designated to control firefighting operations shall have successfully completed advanced training in techniques for fighting fire with particular emphasis on organisation, 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 firefighting 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 firefighting.

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, 2 and 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, 5 and 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 Issue of alternative certificates VII/1

1. Notwithstanding the requirements for certification laid down in Chapters II and III of this Annex, Member States may elect to issue or authorise the issue of certificates other than those mentioned in the regulations of those chapters, provided that:
 - 1.1. 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;
 - 1.2. 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;
 - 1.3. 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;
 - 1.4. 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;
 - 1.5. the certificates are issued in accordance with the requirements of Article 11 and the provisions set forth in Chapter VII of the STCW Code.
2. No certificate shall be issued under this chapter unless the Member State has communicated the information required by the STCW Convention to the Commission.

Regulation Certification of seafarers VII/2

Every seafarer who performs any function or group of functions specified in Tables, A-II/1, A-II/2, A-II/3 or AII/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 Principles governing the issue of alternative certificates
VII/3

1. A Member State which elects to issue or authorise the issue of alternative certificates shall ensure that the following principles are observed:
 - 1.1. 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;
 - 1.2. 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 point 1 shall ensure that:
 - 2.1. 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 organisation;
 - 2.2. 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:
 - 3.1. the issue of alternative certificates shall not be used in itself:
 - 3.1.1. to reduce the number of crew on board;
 - 3.1.2. to lower the integrity of the profession or 'deskill' seafarers; or
 - 3.1.3. to justify the assignment of the combined duties of the engine and check watchkeeping officers to a single certificate holder during any particular watch;
 - 3.2. 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 points 1 and 2 shall ensure that the competency of both deck and engineer officers is maintained.