



BERMUDA

MERCHANT SHIPPING (TRAINING, CERTIFICATION, MANNING AND
WATCHKEEPING) REGULATIONS 2005

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The Minister of Tourism and Transport, in exercise of the powers conferred by section 59 of the Merchant Shipping Act 2002, makes the following regulations:

Citation

1 These Regulations may be cited as the Merchant Shipping (Training, Certification, Manning and Watchkeeping) Regulations 2005.

Interpretation

2 (1) In these Regulations—

“Act” means the Merchant Shipping Act 2002;

“AEC” means approved engine course certificate;

“appropriate certificate” means a certificate issued and endorsed in accordance with the annex to the STCW Convention and entitling the lawful holder thereof to serve in the capacity and perform the functions involved at the level of responsibility specified therein on a ship of the type, tonnage, power and means of propulsion indicated by the endorsement while engaged on the particular voyage concerned;

“approved” (and “approved” in the STCW Convention so far as given effect by these Regulations) means approved by the Minister;

“authorised person” means a person authorised by the Minister for the purpose of these Regulations;

“Bermuda Legal and Administrative Processes (BLAP)” means the appropriate knowledge of maritime legislation of Bermuda relevant to the functions which the master, chief mate, chief engineer officer and second engineer officer are required to perform;

“Bermuda Endorsement” means an endorsement issued by the Minister attesting the recognition of a certificate under regulation 5;

“Bermuda ship” means a ship registered in Bermuda;

“certificate of competency” means a certificate issued by the Minister for the purposes of regulation 4 (other than a Bermuda Endorsement);

“chemical tanker” means a ship constructed or adapted and used for the carriage in bulk of any liquid product listed in chapter 17 of the International Bulk Chemical Code;

“chief engineer officer” means the senior engineer officer responsible for the mechanical propulsion and the operation and maintenance of the mechanical and electrical installations of the ship;

“chief mate” means the officer next in rank to the master and upon whom the command of the ship will fall in the event of the incapacity of the master;

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“company” includes an individual, and means the owner of the ship or any other organisation or person such as the manager, or the bareboat charterer, who has assumed the responsibility for the operation of the ship from the ship owner and who, on assuming such responsibility, has agreed to take over all the duties and responsibilities imposed on the company by the Regulations annexed to the STCW Convention;

“Convention” means the STCW Convention;

“Department” or (“DMA”) means the Department of Maritime Administration in Bermuda;

“deck officer” means an officer qualified in accordance with chapter II of the Convention;

“engineer officer” means an officer qualified in accordance with chapter III of the Convention;

“exemption certificate” means a certificate issued by the Minister under paragraph (3);

“fast rescue boat” means a rescue boat which is not less than 6 metres in length and not more than 8.5 metres in length; and which is capable of manoeuvring for at least 4 hours at a speed of at least 20 knots in calm water with a suitably qualified crew of 3 persons and at least 8 knots with a full complement of persons and equipment;

“function” means a group of tasks, duties and responsibilities, as specified in the STCW Code, necessary for ship operation, safety of life at sea or protection of the marine environment;

“Gross Tonnage” or “GT” means the gross tonnage of a ship measured in accordance with the International Convention on Tonnage Measurement of Ships 1969;

“hazardous cargo” means cargo which is or may be explosive, flammable, toxic, health threatening or environment polluting;

“high-speed craft” means a craft capable of a maximum speed in metres per second (m/s) equal to or exceeding $3.7 \square^{0.1667}$

where \square = displacement corresponding to design water-line (M^3);

“length” means the greater distance of the following distances—

- (a) the distance between the fore side of the stem and the axis of the rudder stock; or
- (b) 96 per cent of the distance between the fore side of the stem and the aft side of the stern;

the points and measurements being taken respectively at and along a waterline at 85 per cent of the least moulded depth of the ship; in the case of a ship having a rake of keel the waterline shall be parallel to the designed waterline;

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- “liquefied gas” means any liquefied gas having a vapour pressure exceeding 2.8 bar absolute at a temperature of 37.8 degrees centigrade, and other products as shown in Chapter 19 of the 1993 International Maritime Organisation (IMO) publication entitled “International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk—IGC Code”;
- “liquid chemical” means any liquid chemical listed in the publication entitled “International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk—IBC Code”;
- “LSA Code” means the International Life-Saving Appliance Code adopted by the Maritime Safety Committee through resolution MSC.48(66);
- “management level” means the level of responsibility associated with serving as master, chief mate, chief engineer officer or second engineer officer on board a seagoing ship; and ensuring that all functions within the designated area of responsibility are properly performed;
- “master” means the person having the command of a ship;
- “MEOL” means Marine Engine Operator License;
- “Minister” means the Minister charged with responsibility for shipping in Bermuda;
- “month” means a calendar month or 30 days made up of periods of less than one month;
- “near coastal voyage” means—
- (a) a voyage during which the vessel is never more than 150 miles from a safe haven in Bermuda; or
 - (b) subject to paragraph (2), in the case of a vessel which is engaged on a special project the vessel is never more than 150 miles from a safe haven established by another party;
- “officer” means a member of the crew, other than the master, designated as such by national law or regulations or, in the absence of such designation, by collective agreement or custom;
- “oil tanker” means a ship constructed and used for the carriage of petroleum and petroleum products in bulk;
- “operational level” means the level of responsibility associated with—
- (a) serving as officer in charge of a navigational or engineering watch or as designated duty engineer for periodically unmanned machinery spaces or as radio operator on board a seagoing ship; and
 - (b) maintaining direct control over the performance of all functions within the designated area of responsibility in accordance with proper procedures and under the direction of an individual serving in the management level for that area of responsibility;

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- “Organisation” means the International Maritime Organisation (“IMO”);
- “passenger ship” means a ship carrying more than 12 passengers;
- “petroleum” means crude liquid petroleum and the following substances produced directly or indirectly from crude, that is to say, fuel, lubricants, bitumen, wax, industrial spirits and any wide range substance (meaning a substance whose final boiling point at normal atmospheric pressure is more than 50 degrees centigrade higher than its initial boiling point) but excluding any product included in the definition of “liquefied gas”;
- “pleasure vessel” has the meaning given by regulation 3 of the Merchant Shipping (Vessels in Commercial Use for Sport or Pleasure) Regulations 1998;
- “propulsion power” means the total maximum continuous rated (MCR) output power in kilowatts of all the ship’s main propulsion power which appears on the ship’s certificate of registry or other official document;
- “radio duties” include, as appropriate, watchkeeping and technical maintenance and repairs conducted in accordance with the Radio Regulations, the International Convention for the Safety of Life at Sea and, at the discretion of the Minister, the relevant recommendations of the Organization;
- “radio regulations” means the radio regulations annexed to or regarded as being annexed to the International Telecommunications Convention 1994 and includes any amendment thereto which the Minister considers relevant from time to time;
- “radio operator” means a person holding an appropriate certificate issued or recognized by the Minister under the Radio Regulations;
- “rating” means a member of the ship’s crew other than the master or an officer;
- “rescue boat” means a boat complying with the requirements of the LSA Code and designed to rescue persons in distress and marshall liferafts;
- “ro-ro passenger ship” means a passenger ship with ro-ro cargo spaces or special category spaces as defined in the International Convention for the Safety of Life at Sea 1974 as amended;
- “sea-going service” means service on board a ship relevant to the issue of a certificate or other qualification;
- “safe manning document” means a document issued, in the case of a Bermuda ship, by the Minister, and in the case of any other ship, by the Administration of the flag state indicating the minimum level of manning, including grades, classes and numbers of seafarers with which the vessel would be regarded as being safely manned;
- “safety committee” means a safety committee set up pursuant to regulation 17(4) of the Merchant Shipping (Health and Safety at Work) Regulations 2004;
- “second engineer officer” means the engineer officer next in rank to the chief engineer officer and upon whom the responsibility for the mechanical

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propulsion and the operation and maintenance of the mechanical and electrical installations of the ship will fall in the event of the incapacity of the chief engineer officer;

“ship class” means any reference to a ship of a particular Class as defined in any Merchant Shipping regulations pertaining to Life-Saving Appliances for Ships other than Ships of Classes III to VI(A);

“STCW Code” means the Seafarer’s Training, Certification and Watchkeeping Code adopted by the 1995 Conference of Parties to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers 1978, as amended;

“STCW Convention” or “the Convention” means the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978;

“support level” means the level of responsibility associated with performing assigned tasks, duties or responsibilities on board a seagoing ship under the direction of an individual serving in the operational or management level;

“survival craft” means a craft capable of sustaining the lives of persons in distress from the time of abandoning the ship;

“tanker” means a ship which is constructed or adapted and used for the carriage of bulk cargoes consisting in whole or in part of petroleum, liquid chemicals or liquefied gases; and a reference to a type of tanker, chemical tanker or liquefied gas tanker, being tankers constructed or adapted and used to carry cargoes of the class indicated.

(2) A vessel referred to in paragraph (b) of the definition of “near-coastal voyage” shall—

- (a) comply with the legislation of the coastal states in respect thereof; and
- (b) hold a valid exemption certificate.

(3) The Minister may in such circumstances as he considers appropriate issue an exemption certificate to a vessel permitting such vessel to engage in near-coastal voyages outside the waters of Bermuda.

Application

3 (1) These Regulations apply to sea-going ships which are—

- (a) Bermuda ships, other than fishing vessels, vessels owned and operated by a Government department or agency for non-commercial purposes and pleasure vessels under 24 metres in length, wherever they are; and
- (b) other ships when in Bermuda territorial waters, except fishing vessels, pleasure craft and war ships, naval auxiliaries or other ships owned or operated by a state and engaged only on non-commercial service.

(2) In these regulations, “sea-going” means going beyond the territorial waters of Bermuda.

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PART I
TRAINING AND CERTIFICATION

Qualification as an officer

4 (1) A person is qualified as an officer for the purpose of section 59 of the Merchant Shipping Act 2002 for serving on a Bermuda ship in the capacity of master, chief mate, officer in charge of a navigational watch, chief engineer officer, second engineer officer, officer in charge of an engineering watch, or Radio Operator if he holds, in respect of any such capacity—

- (a) a certificate of competency issued by the Minister bearing the appropriate endorsement required by the STCW Convention attesting the issue of such a certificate; or
- (b) an appropriate certificate of competency issued by the United Kingdom; or
- (c) an appropriate certificate issued by a country which is a signatory to the IMO Convention and a Party to the STCW Convention and whose name has been identified by the IMO in accordance with regulation 1/7 of the Convention (IMO white list) and—
 - (i) the Minister is satisfied that the requirements of the STCW Convention concerning standards of competence, the issue and endorsement of certificates and record keeping are fully complied with;
 - (ii) the Minister is satisfied that prompt notification will be given to the Department of Maritime Administration, Bermuda, of any significant change in the arrangements for training and certification provided, in compliance with the Convention;
 - (iii) certain conditions with respect to the knowledge of English are met; and
 - (iv) for officers intending to serve in the capacities of master, chief mate, chief engineer officer and second engineer officer the requirements under Regulation I/10 paragraph 2 of the Convention with respect to appropriate knowledge of maritime legislation of Bermuda relevant to the functions the officer is required to perform are met; and
 - (v) in addition, subject to regulation 7 the officer holds the Bermuda Endorsement referred to under paragraph (2).

(2) For the purpose of paragraphs (1)(b) and (1)(c), “Bermuda Endorsement” means an endorsement issued by the Minister as a separate document in accordance with Regulation 5, attesting the recognition of a certificate issued by a Party to the Convention.

(3) For the purpose of regulation 34 (inspection of sea-going ships), a person is qualified as an officer on a non-Bermuda ship in the capacity of master, chief mate, officer in charge of a navigational watch, chief engineer officer, second engineer officer, officer in charge of an engineering watch or radio operator if he holds a valid appropriate certificate issued by a Party to the Convention, and holds the endorsement required by Article VI of

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the Convention attesting the issue of such certificate or the recognition of such certificate, as applicable.

Recognition of certificates

5 (1) The Minister may recognise a certificate issued by or under the authority of a Party to the STCW Convention to a master, officer or radio operator if he is satisfied that—

- (a) the requirements of the STCW Convention concerning standards of competence, the issue and endorsement of certificates and record keeping are fully complied with; and
- (b) prompt notification will be given of any significant change in the arrangements for training and certification provided in compliance with the Convention.

(2) Where the Minister recognises a certificate pursuant to paragraph (1), he shall endorse such a certificate to attest its recognition if he is satisfied that the requirements in paragraph (1)(a) and (b) have been complied with.

(3) It shall be an offence for any company, master, officer or radio officer to submit fraudulent documents in an application for a Bermuda endorsement.

(4) The endorsement shall be in the form of a separate document issued by the Minister.

(5) Paragraph (6) applies where, pursuant to paragraph (1) the Minister has recognised the standard of competence required for the issue of a certificate by an authority of a Party to the STCW Convention outside Bermuda as being in part the standard to be obtained for officers qualified for the purposes of these Regulations.

(6) In a case referred to in paragraph (5) any conditions specified by the Minister for the issue of a Bermuda Endorsement shall be limited to an aptitude test for the purpose of assessing the applicant's ability to pursue the profession of officer on Bermuda ships, in the light of subjects and training and related assessment procedures, which differ substantially from those covered by the applicant's certificate issued by that State, and which are necessary to pursue that profession.

(7) The Minister shall recognize certificates of competency issued by the United Kingdom to be appropriate certificates as if issued by the Minister.

Revalidation of certificates and Bermuda Endorsements

6 (1) To establish continued professional competence in accordance with section A-I/11 of the STCW Code, the certificates mentioned in regulation 4 (1) issued to the master or other officer shall be revalidated at intervals not exceeding five years from the date of the issue or last revalidation.

(2) A certificate not revalidated in accordance with paragraph (1) shall not be valid for sea-going service.

(3) A certificate of a category referred to in regulation 9 granted pursuant to the Merchant Shipping (Radio Installations) Regulations 1998 shall not be valid for sea-going

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service unless revalidated at intervals not exceeding five years, to establish continued professional competence in accordance with section A-I/11 of the STCW Code.

(4) Every master and officer shall, for continuing sea-going service on ships referred to in regulations 10, 11, 12 and 13 successfully complete approved relevant training at intervals specified by the Minister.

(5) Unless previously cancelled the Bermuda Endorsement shall be valid until the expiry date shown on it, subject to continued validity of the appropriate certificate held by a Seafarer which had been recognised under regulation 5 for issuing the Bermuda Endorsement.

(6) Subject to paragraphs (1) and (2) a Bermuda endorsement shall be revalidated at intervals not exceeding five years.

Appropriate Bermuda Endorsements

7 (1) Any officer serving in the capacity set out in column 1 of Schedule 1 shall hold an appropriate Bermuda Endorsement for that capacity: a person shall only be entitled to be issued with such endorsement if he complies with the criteria in Regulations annexed to the STCW Convention set out in column 2 of Schedule 1 in relation to that entry and any other requirements specified by the Minister.

(2) A Certificate of Competency issued by the United Kingdom is accepted without endorsement in accordance with regulation 5(7) of these Regulations.

Ratings and holders of other qualifications

8 (1) Every rating forming part of a navigational watch on a ship of 500 GT or more, other than ratings under training and ratings whose duties while on watch are of an unskilled nature, shall be duly certificated: no person shall be entitled to be issued with a certificate as such a rating unless he complies with the criteria set out in Regulation II/4.2 in the Annex to the STCW Convention.

(2) Every rating forming part of an engine-room watch or designated to perform duties in a periodically unmanned engine-room on a 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: no person shall be entitled to be issued with a certificate as such a rating unless he complies with the criteria set out in Regulation III/4.2 in the Annex to the STCW Convention.

(3) Any person designated to perform watchkeeping duties in a manned or periodically unmanned engine-room on a ship powered by main propulsion machinery of 350 kW power, or more, but less than 750 kW shall be the holder of an appropriate Bermuda Endorsement referred to in regulation 7 or be the holder of a marine engineer operator's licence accepted by the Minister.

Radio communications and radio personnel on GMDSS ships

9 To serve on board a Bermuda ship as a GMDSS Radio Operator under Regulation 19 of the Merchant Shipping (Radio Installations) Regulations 1998 a person must—

- (a) be at least 18 years of age;

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- (b) have completed approved education and training and meet the standard of competence specified in section A-IV/2 of the STCW Code; and
- (c) hold an appropriate certificate as specified in regulation 4 (1).

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

10 (1) Officers and ratings assigned specific duties and responsibilities related to cargo or cargo equipment on tankers shall have completed an approved shore-based advanced fire-fighting course in addition to the training required by section A-VI/1 of the STCW Code and shall have completed—

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

(2) Notwithstanding paragraph (1), the period of three months referred to in paragraph (1)(a) shall be reduced to not less than one month if—

- (a) the tanker on which such service is performed is of less than 3000 GT;
- (b) the duration of each voyage of the tanker on which such approved service is performed does not exceed 72 hours; and
- (c) the operational characteristics of the tanker on which such approved service is performed 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 as would have been acquired in approved service performed in accordance with paragraph (1)(a) on a tanker of a size, and performing voyages, not falling within sub-paragraphs (a) and (b).

(3) Masters, chief mates, chief engineer officers, 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 paragraphs (1) and (2) of this regulation have—

- (a) experience appropriate to their duties on the type of tanker on which they serve; and
- (b) 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.

(4) An appropriate certificate shall be issued to masters and officers who are qualified in accordance with paragraph (1), (2) or (3) or their existing certificate shall be duly endorsed and every rating who is so qualified shall be duly certificated.

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

11 (1) This regulation applies to masters, officers, ratings and other personnel serving on board ro-ro passenger ships.

(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) in accordance with their capacity, duties and responsibilities.

(3) Seafarers who are required to be trained in accordance with paragraphs (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 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) It shall be the duty of any person providing the training referred to in this regulation to issue documentary evidence to every person successfully completing such training.

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

12 (1) This regulation applies to masters, officers, ratings and other personnel serving on board passenger ships other than ro-ro passenger ships.

(2) Prior to being assigned shipboard duties on board passenger ships, seafarers shall have completed the training required by paragraphs (4) to (8) in accordance with their capacity, duties and responsibilities.

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(3) Seafarers who are required to be trained in accordance with paragraphs (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 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 in passenger spaces on board passenger ships shall have completed the safety training specified in section A-V/3, 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 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) It shall be the duty of any person providing the training referred to in this regulation to issue documentary evidence to every person successfully completing such training.

Mandatory minimum requirements for the training and qualifications of masters, officers, ratings, etc. on high-speed craft

13 (1) This regulation applies to masters and officers, ratings and other personnel serving on board high-speed craft which are ships constructed on or after 1 January, 1996.

(2) Prior to being assigned shipboard duties on board high-speed craft, masters and officers, ratings and other personnel shall have completed training acceptable to the Minister.

(3) It shall be the duty of any person providing the training referred to in this regulation to issue documentary evidence to every person successfully completing such training: in the case of masters, and of officers having an operational role in high-speed craft, the documentary evidence shall be a certificate in a form acceptable to the Minister.

(4) An operator of high-speed craft may submit his proposal for training and certification for masters and officers, ratings and other personnel on board high-speed craft to the Minister for approval: the Minister must endorse any certificates issued by the operator under an approved scheme to such masters and officers, ratings and other personnel prior to being assigned shipboard duties on board high-speed craft.

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(5) In the case of Type-rating Certificates which have been issued to masters, officers, ratings and other personnel for serving on board high speed-craft by another Administration who is a Party to the Convention, the Minister may accept such certificates, subject to satisfactory verification, permitting holders of such certificates to serve on board Bermuda registered high-speed craft provided they obtain Bermuda Endorsements prior to being assigned shipboard duties on such ships.

Mandatory minimum requirements for manning, training and qualifications of masters, officers, ratings, etc. on commercially and privately operated motor, sailing and square rigged sailing vessels of 24 metres and over in load line length

14 (1) This regulation applies to companies, masters, officers, ratings and other personnel serving on board commercially and privately operated motor, sailing and square rigged sailing vessels of 24 metres and over in load line length and under 3000GT.

(2) Masters, officers and ratings assigned to serve on board vessels to which paragraph (1) applies shall be certified as specified in Schedule 2 and shall hold appropriate Bermuda Endorsements.

(3) It shall be the duty of every company to ensure that in relation to every vessel to which this regulation applies the manning of the vessel is in accordance with the manning scales specified in Schedule 2.

Mandatory minimum requirements for manning, training and qualifications of engineering personnel on commercially and privately operated motor and sailing vessels of 24 metres and over in load line length

15 (1) This regulation applies to companies and engineering personnel serving on board commercially and privately operated motor and sailing vessels of 24 metres and over in load line length and under 3000GT.

(2) Engineering personnel assigned to serve on board vessels to which paragraph 1 applies shall be certified as specified in Schedule 3 and shall hold appropriate Bermuda Endorsements.

(3) It shall be the duty of every company to ensure that in relation to every vessel to which this regulation applies the manning of the vessel is in accordance with the manning scales specified in Schedule 3.

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

16 All 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.

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

17 (1) Any person designated to launch or take charge of survival craft or rescue boats other than fast rescue boats shall have a certificate of proficiency in such craft: no person

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shall be granted such a certificate unless he meets the criteria specified in Regulation VI/2.1 in the Annex to the STCW Convention.

(2) Any person designated to launch or take charge of a fast rescue boat shall have a certificate of proficiency in such boats: no person shall be granted such a certificate unless he meets the criteria in Regulation VI/2.2 in the Annex to the STCW Convention.

Mandatory minimum requirements for training in advanced fire-fighting

18 (1) Seafarers designated to control fire-fighting operations shall have successfully completed advanced training in techniques for fighting fire with particular emphasis on organisation, tactics and command in accordance with section A-VI/3 of the STCW Code and shall meet the standard of competence specified therein.

(2) If advanced fire-fighting does not form part of the qualifications for a certificate held by the person so designated, he shall hold a separate certificate or documentary evidence, as appropriate, indicating that the holder has attended a course of training in advanced fire-fighting.

Mandatory minimum requirements relating to medical first aid and medical care

19 (1) Seafarers designated to provide medical first-aid on board a ship shall meet the standard of competency in medical first-aid on board ships as specified in section A-VI/4 paragraph 1 to 3 of the STCW code.

(2) Seafarers designated to take charge of medical care on board ships shall meet the standard of competence in medical care on board ships as specified in section A-VI/4 paragraph 4 to 6 of the STCW code.

(3) When training in medical first-aid or medical care is not included in the qualifications for a certificate of competency which may be held by the person so designated, he shall hold a separate certificate or documentary evidence, as appropriate, indicating that the holder has attended a course of training in medical first-aid or medical care as appropriate.

Form, validity, record and surrender of certificates of competency and Bermuda Endorsements

20 (1) Certificates of competency or Bermuda Endorsements shall be issued on receipt of any fee payable, in addition to meeting the requirements of regulations 4 and 5, and delivered to the person entitled to hold them.

(2) A certificate of competency or Bermuda endorsement shall remain valid for sea-going service only so long as the holder can comply with the standards and conditions as to medical fitness and competency to act in the appropriate capacity specified by the Minister.

(3) A record of all certificates of competency and Bermuda Endorsements issued under these Regulations and of the suspension, cancellation or alteration of, and any other matters affecting, any such certificates or endorsements shall be kept, in such manner as the Minister may require, by the Chief Marine Surveyor or the Registrar of Shipping or by such other person as the Minister may direct.

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(4) Where the holder of a Bermuda Endorsement issued under these Regulations is issued with a second Bermuda Endorsement providing higher qualifications, he shall surrender the first-mentioned endorsement to the Minister, or to such person as the Minister directs, for cancellation.

(5) Where a certificate of competency or a Bermuda Endorsement is issued and the conditions for its issue prescribed in these Regulations or specified by the Minister have not been complied with, then the holder of the relevant certificate or endorsement shall, at the direction of the Minister, deliver it to the Minister, or to such person as the Minister directs for cancellation.

Loss of certificates of competency or Bermuda Endorsements

21 If a person entitled to a certificate of competency or a Bermuda Endorsement proves to the satisfaction of the Minister that he has, without fault on his part, lost or been deprived of such certificate or endorsement already issued to him, the Minister shall, upon receipt of any fee payable, cause a certified copy of the certificate of competency or Bermuda Endorsement, to which the said person appears to be entitled, to be issued to him.

Endorsement of Bermuda certificates of competency

22 In the case of a certificate of competency issued by the Minister, such certificate shall be endorsed by the Minister in accordance with the STCW Convention if he is satisfied that the holder of the certificate complies with the requirements of regulation II, III, IV, V, or VI in the Annex to the Convention.

PART II

MANNING

Responsibilities of companies, masters and others

- 23 (1) This regulation applies to sea-going Bermuda ships.
- (2) Every company shall ensure that—
- (a) every officer assigned to any of its ships is qualified in accordance with regulation 4 in respect of any function he is to perform on that ship;
 - (b) every seafarer on any of its ships has had training specified in the STCW Code in respect of any function he is to perform on that ship;
 - (c) documentation and data relevant to all seamen employed on its ships are maintained and readily available for inspection and include, without being limited to, documentation and data on their experience, training, medical fitness and competency in assigned duties;
 - (d) every master, deck officer, engineer officer and radio officer, is proficient in the English language;
 - (e) if more than one language is spoken on board Bermuda registered ships, a common working language is established for safety procedures; and

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- (f) every officer intended to serve in the capacity of master, chief officer, chief engineering officer or second engineering officer is fully conversant with the Bermuda Legal and Administrative Processes (BLAP) in accordance with guidance issued to ship owners.
- (3) Nothing in paragraph (2) shall prohibit the allocation of tasks for training under supervision or in the case of force majeure.
- (4) The company shall provide written instructions to the master of each of its ships setting out the policies and the procedures to be followed to ensure that all seafarers who are newly employed on board the ship are given a reasonable opportunity to become familiar with the shipboard equipment, operating procedures and other arrangements needed for the proper performance of their duties, before being assigned to those duties.
- (5) The policies and procedures referred to under paragraph (4) shall include—
 - (a) allocation of a reasonable period of time during which each newly employed seafarer will have an opportunity to become acquainted with—
 - (i) the specific equipment the seafarer will be using or operating; and
 - (ii) ship specific watchkeeping, safety, environmental protection and emergency procedures and arrangements the seafarer needs to know to perform the assigned duties properly; and
 - (b) designation of a knowledgeable crew member who will be responsible for ensuring that an opportunity is provided to each newly employed seafarer to receive essential information in a language the seaman understands.
- (6) It shall be the duty of any master and any member of a crew instructed or designated with an obligation under paragraph (5) to carry out that obligation.

Safe manning document

24 [Revoked by BR 52 / 2011 reg. 10]

[Regulation 24 revoked by BR 52 / 2011 reg. 10 effective 28 September 2011]

Exceptional circumstances

25 [Revoked by BR 52 / 2011 reg. 10]

[Regulation 25 revoked by BR 52 / 2011 reg. 10 effective 28 September 2011]

Duty of company, employers and masters

26 [Revoked by BR 51 / 2011 reg. 12]

[Regulation 26 revoked by BR 51 / 2011 reg. 12 effective 28 September 2011]

Duties of masters and seamen

27 [Revoked by BR 51 / 2011 reg. 12]

[Regulations 27 revoked by BR 51 / 2011 reg. 12 effective 28 September 2011]

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Schedule of duties and need to record

28 [Revoked by BR 51 / 2011 reg. 12]

[Regulation 28 revoked by BR 51 / 2011 reg. 12 effective 28 September 2011]

Exemption for emergencies

29 [Revoked by BR 51 / 2011 reg. 12]

[Regulation 29 revoked by BR 51 / 2011 reg. 12 effective 28 September 2011]

PART III

WATCHKEEPING

Watchkeeping arrangements

30 (1) The master of any ship shall ensure that the watchkeeping arrangements for the ship are at all times adequate for maintaining safe navigational and engineering watches having regard to the matters set out in Chapter VIII of section A of the STCW Code; the master shall give directions to the deck watchkeeping officers responsible for navigating the ship safely during their periods of duty, having particular regard to the matters set out in section A-VIII/2, Part 3 and Part 3-1 of the STCW Code and any operational guidance specified by the Minister.

(2) The chief engineer officer of any ship shall, in consultation with the master, ensure that the engineering watchkeeping arrangements for the ship are at all times adequate for maintaining a safe watch, having regard to the matters set out in section A-VIII/2, Part 3 and Part 3-2 of the STCW Code; when deciding the composition of the watch the chief engineer officer shall take into account the principles set out in Part 3-2 of that section and any operational guidance specified by the Minister.

Watchkeeping arrangements in port

31 The master of any ship which is safely moored or safely at anchor under normal circumstances in port shall arrange for an appropriate and effective watch to be maintained for the purposes of safety; such arrangements shall have regard to the matters set out in Part 4 of section A-VIII/2 of the STCW Code and to any operational guidance specified by the Minister.

Watchkeeping arrangements in port for ships carrying hazardous cargo

32 (1) The master of any ship which is carrying hazardous cargo and which is in port, even when safely moored or safely at anchor, shall in addition to any watchkeeping arrangements required under regulation 31, in the case of—

- (a) a ship carrying cargo in bulk that is hazardous, whether it is or may be explosive, flammable, toxic, a threat to health or liable to pollute the environment, ensure that a safe deck watch and safe engineering watch are maintained by the ready availability on board of a qualified officer or officers, and ratings where appropriate; and

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- (b) a ship carrying hazardous cargo other than in bulk, whether it is or may be explosive, flammable, toxic, a threat to health or liable to pollute the environment, ensure that in organizing safe watchkeeping arrangements he takes account of the nature, quantity, packing and stowage of the hazardous cargo and of any special conditions on board, afloat and ashore.

(2) Such watchkeeping arrangements shall take full account of the principles and any operational guidance specified by the Minister.

Carriage of documents

33 Without prejudice to regulation 23 the company and the master shall ensure that there is carried at all times on board a ship all certificates, endorsements and other documents issued pursuant to the STCW Convention indicating the qualification of any member of the crew to perform functions which they are required to perform aboard the ship in the course of their designated duties.

PART IV
GENERAL

Inspection of sea-going ships

34 (1) An authorized person may inspect a Bermuda ship wherever located and any ship which is not a Bermuda ship to which these Regulations apply, when such ship is in Bermuda waters, for the purpose of—

- (a) verifying that all seafarers serving on board who are required to be certificated hold a valid and appropriate certificate; and
- (b) assessing the ability of the seafarers in the ship to maintain the watchkeeping standards required by these Regulations where there are grounds for believing that such standards are not being maintained because, while in a port outside of Bermuda or in a port in Bermuda, or in the approaches to that port, any of the following has occurred—
 - (i) the ship has been involved in a collision, grounding or stranding;
 - (ii) there has been a discharge of substances from the ship when underway, at anchor or at a berth, contrary to the laws of Bermuda or, in the case of a Bermuda ship, outside of Bermuda, contrary to the laws of another country;
 - (iii) the ship has been manoeuvred in an erratic or unsafe manner or navigational course markers or traffic separation schemes have not been followed; or
 - (iv) the ship has otherwise been operated in such a manner as to pose a danger to persons, property or the environment.

(2) Deficiencies which for the purposes of paragraph (1)(b)(iv) may pose a danger to persons, property or the environment include—

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- (a) a failure of seafarers, required to hold an appropriate certificate, to have an appropriate valid certificate or a valid exemption from that requirement;
- (b) a failure to comply with the safe manning document;
- (c) a failure of navigational or engineering watch arrangements to conform to the requirements specified for the ship by these Regulations for a Bermuda ship and for other ships by the competent authority of the country in which the ship is registered;
- (d) an absence on a watch of a person qualified to operate equipment essential to safe navigation and, safety radio communications or the prevention of marine pollution;
- (e) an inability of the master to provide adequately rested persons for the first watch at the commencement of a voyage and for subsequent relieving watches.

(3) If an authorized person finds on an inspection any deficiency referred to in paragraph (2) he shall notify in writing the master of the ship and in the case of a ship registered outside Bermuda, the nearest maritime, consular or diplomatic representative of the flag State.

(4) Pursuant to an inspection by an authorized person if it was found that there is sufficient ground to conduct a formal inquiry the Minister may appoint a Commission of Inquiry or a Board of Inquiry (as the case may be) to inquire into the conduct of a seafarer (seafarer includes the master) and if found guilty, suspend or cancel a certificate or endorsement issued by him where deemed necessary; in the case of an inquiry into the conduct of a seafarer who does not have a certificate of competency and whose conduct being found unbecoming of a seafarer the Minister may withdraw the seafarer's discharge book or otherwise, impose restrictions on his future employment on Bermuda ships.

(5) Where the seafarer holds a certificate or discharge book issued by a state the Minister shall arrange to communicate to the state concerned the findings of the court or the board and impose such restrictions on the employment of the seafarer on a Bermuda ship as deemed appropriate.

Power to detain

35 In any case where it is found—

- (a) in relation to a ship which is a Bermuda ship, that there is any contravention of these Regulations; or
- (b) in relation to a ship which is not a Bermuda ship, that there is—
 - (i) any contravention of regulation 24 (excepting reference to regulation 25), 30, 31 or 32;
 - (ii) a failure to correct a deficiency referred to in regulation 34(2) after notification to the master pursuant to regulation 34(3), and there is in consequence a danger to persons, property or the environment,

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the ship may be detained.

Penalties

36 (1) Any company which contravenes regulation 23(2) or (4), 24(1) or (3), 26(2), 28 or 33 commits an offence and is liable on conviction by a court of summary jurisdiction to a fine not exceeding \$10,000.00, or on indictment to a fine not exceeding \$20,000.00, or to imprisonment not exceeding 6 months, or both.

(2) Any master who contravenes regulation 23(5), 24(2), 30(1), 31, 32, or 33 commits an offence and is liable on conviction by a court of summary jurisdiction to a fine not exceeding \$10,000.00, or on indictment, to a fine not exceeding \$20,000.00 or to imprisonment not exceeding 6 months, or both.

(3) When an employer has, pursuant to regulation 28(3), become subject to the duties of the company under that regulation any contravention of regulation 28 by the employer shall be an offence, punishable on summary conviction to a fine not exceeding \$10,000.00, or on indictment to a fine not exceeding \$20,000.00, or (in the case of an individual) to imprisonment not exceeding 6 months or both.

(4) Any member of the crew who contravenes regulation 23(5) commits an offence, and is liable on summary conviction to a fine not exceeding \$3,000.00.

(5) Any chief engineer who contravenes regulation 30(2) commits an offence and is liable on summary conviction to a fine not exceeding \$10,000.00.

(6) If a company contravenes regulation 26(2), it commits an offence and is liable on summary conviction to a fine not exceeding \$10,000.00.

(7) If an employer contravenes regulation 26(2), he commits an offence and is liable on summary conviction to a fine not exceeding \$10,000.00.

(8) If a master contravenes regulation 27 or 28(10) or (11) he commits an offence and is liable on summary conviction to a fine not exceeding \$1,000.00.

(9) If a seafarer contravenes regulation 27 he commits an offence and is liable on summary conviction to a fine of \$1,000.00.

(10) It shall be a defense for a person charged with an offence involving a contravention of these Regulations to prove that he took all reasonable steps to avoid commission of the offence.

(11) In any proceedings for an offence under any of these regulations consisting of a failure to comply with a duty or requirement to do something so far as is reasonably practicable, it shall be for the accused to prove that it was not reasonably practicable to do more than was in fact done to satisfy the duty or requirement.

Dispensations

37 (1) The Minister may grant, on such terms, if any, as he may specify, dispensations from all or any provisions of these Regulations for classes of cases or individual cases.

(2) The Minister, in circumstances of exceptional necessity, if in his opinion this does not cause danger to persons, property or the environment, may issue a dispensation

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permitting a specified seafarer to serve on a specified ship for a specified period not exceeding six months in a capacity, other than that of radio operator, except as provided by the relevant Radio Regulations, for which he does not hold the appropriate certificate, provided that the person to whom the dispensation is issued shall be adequately qualified to fill the vacant post in a safe manner, to the satisfaction of the Minister.

(3) Notwithstanding paragraph (2), dispensation shall not be granted to a master, or a chief engineer officer other than of pleasure yachts, except in circumstances of force majeure and then only for the shortest possible period.

(4) Any dispensation granted for a post shall be granted only to a person properly certificated to fill the post immediately below.

(5) Where certification of the post immediately below is not required by the Convention, a dispensation may be issued to a person whose qualification and experience are, in the opinion of the Minister, equivalent to the requirements for the post to be filled, provided that, if such a person holds no appropriate certificate, he shall be required to possess certificates or documentary evidence as appropriate to indicate that the holder has attended courses of training in Emergency, Occupational safety, Medical care and Survival functions as required under Chapter VI of the Convention, and additionally, the person has sufficient experience for carrying out the functions he is expected to perform, which may be accepted by the Minister as demonstrating that such a dispensation may safely be issued.

(6) The Minister may require that a post to which dispensation has been granted is filled by the holder of an appropriate certificate as soon as possible.

Revocation

38 (1) The Merchant Shipping (Certification, Manning and Watchkeeping) Regulations 1998 BR57/98 are revoked.

(2) Notwithstanding paragraph (1), certificates granted, endorsements made and standards of competency and training already met, pursuant to such Regulations, shall be treated as equivalent to certificates, endorsements, appropriate certificates, standards of competency or training, referred to in these Regulations, and shall accordingly remain of full validity, subject to regulation 6, until 31st March 2010;

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SCHEDULE 1

(Regulation 7)

TABLE OF CRITERIA FOR APPROPRIATE BERMUDA ENDORSEMENTS

COLUMN 1 MASTER AND DECK DEPARTMENT	COLUMN 2 REGULATION ANNEXED TO THE STCW CONVENTION
Officer in charge of a navigational watch on a ship of 500 GT or more	Regulation II/1.2
Master or chief mate on a ship of 3000 GT or more	Regulation II/2.2
Master or chief mate on a ship of between 500 GT and 3000 GT	Regulation II/2.4
Officer in charge of a navigational watch on a ship of less than 500 GT engaged on near-coastal voyages	Regulation II/3.4
Master on a ship of less than 500 GT engaged on near-coastal voyages	Regulation II/3.6
ENGINE DEPARTMENT	REGULATION ANNEXED TO THE STCW CONVENTION
1. 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 ship powered by main propulsion machinery of 750 kW propulsion power or more.	Regulation III/1.2
2. Chief engineer officer or second engineer officer of a ship powered by main propulsion machinery of 3000 kW propulsion power or more.	Regulation III/2.2
3. Chief engineer officer or second engineer officer of a ship powered by main propulsion machinery between 750 and 3000 kW propulsion power.	Regulation III/3.2

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SCHEDULE 2

(Regulation 14)

CERTIFICATE STRUCTURE AND MANNING SCALE FOR COMMERCIALY AND PRIVATELY OPERATED MOTOR YACHTS OVER 24 METRES

DECK OFFICERS

(All RYA/DTP Yachtmaster and Coastal Skipper Certificates must be commercially endorsed)

AREA	Rank	VESSEL		
		>24m<200gt	200 - 500gt	500 - 3000gt
Miles From Safe Haven				
Up to 60nm	Master Chief Mate OOW	YM Offshore - -	Master (Y) < 500gt Coast Skipper -	Master (Y) OOW (Y) -
Up to 150nm	Master Chief Mate OOW	YM Offshore Coast Skipper -	Master (Y) < 500gt YM Offshore	Master (Y) Ch. Mate (Y)
Over 150nm	Master Chief Mate OOW	YM Ocean YM Offshore -	Master (Y) < 500gt OOW (Y) YM Offshore	Master (Y) Ch. Mate (Y) OOW (Y)

CERTIFICATE STRUCTURE AND MANNING SCALE FOR COMMERCIALY AND PRIVATELY OPERATED FORE AND AFT RIGGED SAILING YACHTS OVER 24 METRES

DECK OFFICERS

(All RYA/DTP Yachtmaster and Coastal Skipper Certificates must be commercially endorsed)

AREA	Rank	VESSEL		
		>24m<200gt	200 - 500gt	500 - 3000gt
Miles From Safe Haven				
Up to 60nm	Master Chief Mate OOW	YM Offshore - -	Master (Y)<500gt Coast Skipper -	Master (Y) OOW (Y) -
Up to 150nm	Master Chief Mate OOW	YM Offshore ¹ Coast Skipper -	Master (Y)<500gt YM Offshore -	Master (Y) Ch.Mate (Y) -
Over 150nm	Master Chief Mate OOW	YM Ocean ¹ YM Offshore -	Master (Y)<500gt OOW (Y) YM Offshore	Master (Y) Ch.Mate (Y) OOW (Y)

Note¹ For Sail Training Vessels only - the Master of a Sail Training Vessel carrying more than 12 trainees is required to either:

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- Hold a Certificate specified in the Table and be able to prove at least 50 days satisfactory sea service in a position of responsibility on Sail Training Vessels; or

- Hold a Master <500gt (Yacht) or Master (Yacht).

(It is the overriding responsibility of the Owner/Managing Agent to ensure that the Master and, where necessary, other members of the crew have, in addition to the qualifications required in Schedule 2 recent and relevant experience of the type and size of vessel and of the type of operation in which she is engaged.)

CERTIFICATE STRUCTURE AND MANNING SCALE FOR COMMERCIALLY AND PRIVATELY OPERATED SAIL TRAINING VESSELS AND SQUARE RIGGED SAILING VESSELS OVER 24 METRES

DECK OFFICERS

(All RYA/DTP Yachtmaster and Coastal Skipper Certificates must be commercially endorsed)

AREA	Rank	VESSEL		
		<200gt	200 - 500gt	500 - 3000gt
Miles From Safe Haven				
Up to 60nm	Master Chief Mate OOW	YM Offshore ¹ & ² Coast Skipper -	Master (Y)<500gt ² Ch. Mate (Y) ³ -	Master (Y) ² Ch. Mate ³ -
Up to 150nm	Master Chief Mate OOW	YM Offshore ¹ & ² Coast Skipper -	Master (Y)<500gt ² Ch. Mate (Y) ³ -	Master (Y) ² Ch. Mate ³
Over 150nm	Master Chief Mate OOW	YM Ocean ¹ & ² YM Offshore ³	Master (Y)<500gt ² Ch. Mate (Y) ³ OOW (Y) ³	Master (Y) ² Ch. Mate (Y) ³ OOW (Y) ³

Note¹ For Sail Training Vessels only—the Master of a Sail Training Vessel carrying more than 12 trainees is required to either:

- Hold a Certificate specified in the Table and be able to prove at least 50 days satisfactory sea service in a position of responsibility on Sail Training Vessels; or

- Hold a Master <500 gt (Yacht).

Note² The Master of a square rig vessel must in addition to holding the base certificate have served at least 14 days seetime as a Watchkeeping Officer in the vessel and have been assessed as competent to serve as Master of the vessel by the Owner/Operators under an assessment system acceptable to the DMA. The Master shall only serve on the vessel, or specified sister vessel, for which the assessment has been undertaken.

Note³ A Watchkeeping Officer of a square rig vessel must in addition to holding the base certificate have served at least 14 days seetime as a Watchkeeping Officer in the vessel

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and have been assessed as competent to serve as a Watchkeeper of the vessel by the Owner/ Operators under an assessment system acceptable to the DMA. The Watchkeeping Officer shall only serve on the vessel or specified sister vessel, for which the assessment has been undertaken.

Note ^{2&3} For an Owner/Operators' Assessment System to be accepted by the DMA to permit officers to serve on specific square-rigged sailing vessels, full details must be submitted of the criteria against which assessment will be made and the process of assessment. Such a system requires Owners/Operators to demonstrate that the applicants have followed an assessment programme, which includes proving knowledge of sailing ship terms and methods of working including the following evolutions:

Tacking	Setting and stowing sails
Wearing	Reefing
Anchoring	Operating at night
Heaving to	Operating in heavy weather
Coping with squalls	Effect of knockdowns

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SCHEDULE 3

(Regulation 15)

CERTIFICATE STRUCTURE AND MANNING SCALE FOR COMMERCIALY AND PRIVATELY OPERATED MOTOR YACHTS OVER 24 METRES

ENGINEER OFFICERS

AREA	RANK	VESSEL				
		>24 m <200 gt <1500 kW	>24 m 200 - 500 gt <3000 kW	>24 m 500 - 3000 gt <3000 kW	>24 m 500 - 3000 gt >3000 kW - <6000 kW	>24 m 500 - 3000 gt >6000 kW - <9000 kW
UP TO 60	CHIEF ENGINEER	AEC ^{1 3}	EOOW (MN) (Reg III/1) or C/Eng (Y4) ¹ (Reg III/3)	C/Eng (MN) (Reg III/3) or C/Eng (Y3) (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) ² (Reg III/2)	2/Eng (MN) ⁴ (Reg III/2) or C/Eng (Y1) (Reg III/2)
	SECOND ENGINEER	-	-	EOOW (MN) (Reg III/1) or C/Eng (Y4) (Reg III/3)	EOOW (MN) (Reg III/1) or C/Eng (Y3) ² (Reg III/2)	2/Eng (MN) ² (Reg III/3) or C/Eng (Y3) ² (Reg III/2)
UP TO 150	CHIEF ENGINEER	MEOL (MN) or MEOL(Y) ^{1 3}	2/Eng (MN) (Reg III/3) or C/Eng (Y3) ² (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) ² (Reg III/2)	2/Eng (MN) ⁴ (Reg III/2) or C/Eng (Y2) ² (Reg III/2)
	SECOND ENGINEER	-	-	EOOW (MN) (Reg III/1) or C/Eng (Y3) (Reg III/2)	EOOW (MN) (Reg III/1) or C/Eng (Y3) ² (Reg III/2)	2/Eng (MN) (Reg III/2) or C/Eng (Y2) ² (Reg III/2)
OVER 150	CHIEF ENGINEER	2/Eng (MN) (Reg III/3) or C/Eng (Y4) ¹ (Reg III/3)	C/Eng (MN) (Reg III/3) or C/Eng (Y3) ² (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) (Reg III/2)	2/Eng (MN) ⁴ (Reg III/2) or C/Eng (Y1) (Reg III/2)	2/Eng (MN) ⁴ (Reg III/2) or C/Eng (Y1) (Reg III/2)
	SECOND ENGINEER	MEOL (MN) ³ or MEOL (y) ³	EOOW (MN) (Reg III/1) or C/Eng (Y4) (Reg III/3)	EOOW (MN) (Reg III/1) or C/Eng (Y3) (Reg III/2)	2/Eng (MN) ² (Reg III/3) or C/Eng (Y3) ² (Reg III/2)	2/Eng (MN) (Reg III/2) or C/Eng (Y1) (Reg III/2)

NOTES

Superscripts indicated in the above table are defined as follows:

- Over 1,500 kW and less than 3,000 kW propulsion power: certificate holder is required to have attended an approved engine manufacturer's course appropriate to the engine type and power range.

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- 2 Over 3,000 kW and less than 6,000 kW propulsion power: certificate holder is required to have attended an approved engine manufacturer's course appropriate to the engine type and power range.
- 3 Can be dual purpose (deck/engineer) if the yacht has been assigned a classification society UMS notation for unmanned machinery space operation or fulfils the following criteria:
 - (a) it has full bridge control of main engine manoeuvring;
 - (b) it is fitted with high level bilge alarms in the machinery space;
 - (c) the engine room alarm system, including the fire alarm if fitted, is relayed to the accommodation and/or the bridge.
- 4 Holders of Second Engineer III/2 certificates of competency are required to have these certificates endorsed with the additional Chief Engineer III/2 (Yacht 1) (<3,000 gt; <9,000 kW) capacity and limitation ("Large Yacht Endorsement").

GAS TURBINE POWERED YACHTS OVER 24 METRES

On all yachts with gas turbine propulsion, or gas turbine propulsion in addition to diesel engine propulsion, the Chief Engineer is required to have attended an approved gas turbine manufacturer's course.

The manning scale for yachts with gas turbine propulsion, or gas turbine propulsion in addition to diesel engine propulsion, is identical to the above table for motor yachts.

CERTIFICATE STRUCTURE AND MANNING SCALE FOR COMMERCIALY AND PRIVATELY OPERATED SAILING YACHTS OVER 24 METRES

ENGINEER OFFICERS

AREA	VESSEL				
	RANK	>24 M <200 gt <750 kW	>24 m 200 - 500 gt <1500 kW	>24 m 500 - 1000 gt <1500 kW	>24 m 1000 - 3000 gt <3000 kW
UP TO 60	CHIEF ENGINEER	AEC ¹	EOOW (MN) (Reg III/1) or C/Eng (Y4) (Reg III/3)	2/Eng (MN) (Reg III/3) or C/Eng (Y3) (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) ² (Reg III/2)
	SECOND ENGINEER	-	-	-	-
UP TO 150	CHIEF ENGINEER	MEOL (MN) or MEOL (Y) ¹	2/Eng (MN) (Reg III/3) or C/Eng (Y3) (Reg III/2)	2/Eng (MN) (Reg III/3) or C/Eng (Y3) (Reg III/2)	C/Eng (MN) (Reg III/3) or C/Eng (Y2) ² (Reg III/2)
	SECOND ENGINEER	-	-	MEOL (MN) or MEOL (Y) ¹	EOOW (MN) (Reg III/1) or C/Eng (Y3) ² (Reg III/2)
OVER 150	CHIEF ENGINEER	MEOL (MN)	2/Eng (MN)	2/Eng (MN)	2/Eng (MN) ³

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		or MEOL (Y) ¹	(Reg III/3) or C/Eng (Y3) (Reg III/2)	(Reg III/3) or C/Eng (Y3) (Reg III/2)	(Reg III/2) or C/Eng (Y1) (Reg III/2)
	SECOND ENGINEER	-	MEOL (MN) or MEOL (Y) ¹	MEOL (MN) or MEOL (Y) ¹	EOOW (MN) (Reg III/1) or C/Eng (Y3) ² (Reg III/2)

NOTES

Superscripts indicated in the above table are defined as follows:

- 1 Can be dual purpose (deck/engine) if the yacht has been assigned a classification society UMS notation for unmanned machinery space operation or fulfils the following criteria:
 - (i) it has full bridge control of main engine manoeuvring;
 - (ii) it is fitted with high level bilge alarms in the machinery space;
 - (iii) the engine room alarm system, including the fire alarm if fitted, is relayed to the accommodation and/or the bridge.
- 2 Over 3,000 kW and less than 6,000 kW propulsion power: the certificate holder is required to have attended an approved engine manufacturer's course appropriate to the engine type and power range.
- 3 Holders of Second Engineer III/2 certificates of competency are required to have these certificates endorsed with the additional Chief Engineer III/2 (Yacht 1) (<3,000 gt; <9,000 kW) capacity and limitation ("Large Yacht Endorsement").

Made this 3rd day of October, 2005

Minister of Tourism and Transport

[Amended by:

BR 51 / 2011

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