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COMPREHENSIVE REVIEW OF THE STCW CONVENTION AND THE STCW CODE

Certificate of competency for commercially operated yachts

Submitted by the United Kingdom

SUMMARY

<i>Executive summary:</i>	This document contains proposals for amending the Annex to the STCW Convention and the STCW Code in order to introduce a mandatory Certificate of Competency for motor and sailing yachts of less than 3000 GT in commercial use, through a Code separate from but referenced in the STCW Code
<i>Action to be taken:</i>	Paragraph 9
<i>Related documents:</i>	STW 38/17, paragraph 12.151, annex 11, paragraph 46; MSC 83/28, paragraph 12.7

Background

1 The Sub-Committee on Standards of Training and Watchkeeping (STW), at its thirty-seventh session (23 to 27 January 2006) considered the need for a comprehensive review of the STCW Convention and the STCW Code and invited the Committee to add a new item on the Sub-Committee's work programme and subsequently to the provisional agenda for STW 38 "Comprehensive review of the STCW Convention and the STCW Code".

2 The Committee endorsed the proposal of STW 37 and instructed the Sub-Committee to define, as a first step, the issues to be reviewed and to advise the Committee accordingly, before embarking on the actual work for the Committee to endorse the scope of the review of the instruments, and the Sub-Committee to undertake as the second step, the authorized review in a systematic and organized manner. It was also decided to consider the introduction of mandatory qualifications and certification for officers and ratings serving on board commercially operated yachts of less than 3000 gross tonnage.

3 The United Kingdom welcomes the results of the discussions of STW 38 on the first step of the comprehensive review of the STCW Convention and the STCW Code as set in annex 11 to the report to the Committee (STW 38/17) and the overall positive outcome of MSC 83 in this regard. The United Kingdom reiterates its support for a comprehensive review of the STCW Convention and Code and proposes, as part of the second step, a concrete wording in accordance with paragraph 46 of annex 11 of STW 38/17.

Discussion

4 While pleasure yachts are specifically excluded from the STCW Convention, there has been a marked growth in the large yacht market, encompassing both commercial and private yachts. It is therefore, necessary to examine the question of qualifications and training of officers and other personnel on commercial yachts.

5 A number of Administrations have concluded that, although commercial yachts are not excluded from the Convention, it was unreasonable to expect the owners/operators of such ships to comply fully with the STCW requirements.

6 Given that Codes of Practice have been developed as an acceptable alternative to the Convention by a number of Administrations, the development of common standards ensuring harmonized international standards in this field would seem to be a natural progression.

7 There is an indisputable need that any new requirements should not undermine existing standards and therefore any standard devised should be separate from the STCW Code but referenced by it.

Scope of proposals

8 The proposed amendments aim to provide a reference to the “*requirements for the training, qualification and certification for masters, officers and other personnel on commercial yachts*” through a new regulation V (special training requirements for personnel on certain types of ships) of the STCW Convention.

Action requested of the Sub-Committee

9 The Sub-Committee is invited to take into consideration the proposals made in this document and take action as appropriate.

ANNEX 1

PROPOSED AMENDMENTS TO THE STCW CONVENTION

CHAPTER V – SPECIAL TRAINING REQUIREMENTS FOR PERSONNEL ON CERTAIN TYPES OF SHIPS

Proposed new regulation to be inserted after Regulation V/3

Regulation V/[4]

Minimum mandatory requirements for the training, qualification and certification for masters, officers and other personnel on commercial yachts of less than 3000 gross tonnage engaged in international voyages

1 This regulation applies to masters, engineers and officers and other personnel serving on board commercial yachts less than 3000 gross tonnage engaged in international voyages.

2 Prior to being assigned shipboard duties on commercial yachts less than 3000 gross tonnage engaged in international voyages, seafarers shall have completed training and assessment in accordance with the requirements set out in the Code for training and assessment of seafarers serving on board commercial yachts engaged in international voyages.

3 Administrations shall ensure that an appropriate certificate is issued to masters, engineers and officers and other personnel who have been trained and assessed in accordance with paragraph 2.

ANNEX 2

PROPOSED CODE OF PRACTICE FOR THE MANNING OF COMMERCIALY OPERATED YACHTS OF LESS THAN 3000 GROSS TONNAGE

Section 1

Overview

Requirements for the training qualification and certification of masters, officers, engineers and ratings on commercial yachts of less than 3000 gross tonnage engaged on [coastal and] international voyages.

Introduction

Prior to being assigned shipboard duties on such vessels seafarers shall have completed training and assessment in accordance with these requirements.

Section 2

Masters and Deck Officers

.1 Officer in charge of a navigational watch on yachts of less than 500 GT whilst operating up to 150 miles from a safe haven

Certification of officers in charge of a navigational watch on yachts of less than 500 GT whilst operating up to 150 miles from a safe haven.

- .1 Every officer in charge of a navigational watch shall hold an appropriate certificate.

A Additional capacities and limitations

- .1 Every officer who is qualified to serve on yachts of less than 500 gross tonnage as an officer of the watch may also:
 - .1.1 serve as master of a yacht of less than 200 gross tonnage operating up to 150 miles from a safe haven
 - .1.2 having undertaken approved training in celestial navigation serve as:
 - .1.2.1 an officer of the watch on a yacht of less than 500 gross tonnage in an unlimited area, and their certificate is so endorsed.
 - .1.2.2 master on a yacht of less than 200 gross tonnage in an unlimited area.

B Training for certification

- .1 Every candidate for certification shall:
 - .1 be not less than 18 years of age;
 - .2 have approved seagoing service of not less than [60 days] including at least [5 passages over 60 nm between ports and 2 overnight passages] as part of an approved training programme which includes onboard training which meets the requirements specified in section **2.1.C**
 - .3 hold the following certificates for the four elements of STCW basic training:
 - .3.1 Personal survival Techniques (STCW A-VI/1-1)
 - .3.2 Fire Fighting and Fire Prevention (STCW A-VI/1-2)
 - .3.3 Elementary First Aid (STCW A-VI/1- 3)
 - .3.4 Personal Safety and Social Responsibilities (STCW A-VI/1-4)
 - .4 be appropriately qualified to operate the radio equipment as per STCW chapter IV.
 - .5 have completed approved education and training and meet the standard of competence specified in table 2.1.C.

C Standard of Competence

- .1 Every candidate for certification as officer of the navigational watch on a yacht of less than 500 gross tonnage shall be required to demonstrate ability to undertake, at an appropriate level the tasks, duties and responsibilities listed in column 1 [Competence] of table **2.1.C**.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table **2.1.C**.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table **2.1.C** shall be sufficient for officer of the navigational watch on a yacht of less than 500 gross tonnage to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table **2.1.C**.

Table 2.1.C

Specification of minimum standard of competence for officer of the navigational watch on yachts of less than 500 GT

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.2 Officer in charge of a navigational watch on yachts of less than 3,000 GT

Certification of officers in charge of a navigational watch on yachts of less than 3,000 GT

- .1 Every officer in charge of a navigational watch serving on yachts of less than 3,000 gross tonnage shall hold an appropriate certificate.

A Additional capacities and limitations

- .1 master of a yacht of less than 200 gross tonnage operating up to 150 miles from a safe haven.

B Training for certification

- .1 Every candidate for certification shall:
- .1.1 be not less than 18 years of age;
 - .1.2 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 this Code [Under Development] and is documented in an approved training record book or otherwise have approved seagoing service of not less than three years.
 - .1.3 meet the requirements for certification as an officer in charge of a navigational watch on yachts of 500 gross tonnage or less and master of a yacht of less than 200 gross tonnage operating up to 150 miles from a safe haven.
- .2 be appropriately qualified to operate the radio equipment as per STCW chapter IV.
- .3 have completed approved education and training and meet the standard of competence specified in table 2.2.C.

C Standard of Competence

- .1 Every candidate for certification as officer in charge of a navigational watch on a yacht of less than 3000 gross tonnage shall be required to demonstrate ability to undertake, at an appropriate level the tasks, duties and responsibilities listed in column 1 [Competence] of table 2.2.C
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 2.2.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 2.2.C shall be sufficient for officers in charge of a navigational watch on yachts of less than 3,000 gross tonnage to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 2.2.C.

Table 2.2.C

Specification of minimum standard of competence for officer of the navigational watch on yachts of less than 3000 GT

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.3 Chief mate on yachts of less than 3,000 gross tonnage

Certification of Chief mate on yachts of less than 3,000 gross tonnage

- .1 Every chief mate serving on a yacht of less than 3,000 gross tonnage shall hold an appropriate certificate.

A Additional capacities and limitations

- .1 master on a yacht of less than 200 gross tonnage in an unlimited area.

B Training for certification

- .1 Every candidate for certification shall:
 - .1.1 be not less than 18 years of age;
 - .1.2 have undertaken training in celestial navigation.

- .2 Hold a certificate as officer in charge of a navigational watch on yachts of 3000 gross tonnage or less.
- .3 be appropriately qualified to operate the radio equipment as per STCW chapter IV.
- .4 have completed approved education and training and meet the standard of competence specified in table 2.2.C.

C Standard of Competence

- .1 Every candidate for certification as chief mate on a yacht of less than 3000 gross tonnage shall be required to demonstrate ability to undertake, at an appropriate level the tasks, duties and responsibilities listed in column 1 [Competence] of table 2.3.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 2.3.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 2.3.C shall be sufficient for chief mate on a yacht of less than 3000 gross tonnage to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 2.3.C.

Table 2.3.C

Specification of minimum standard of competence for chief mate on a yacht of less than 3000 GT

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.4 Master on yachts of less than 500 GT

Certification of Master on yachts of less than 500 GT

- .1 Every master on a yacht of less than 500 gross tonnage shall hold an appropriate certificate.

A Additional capacities and limitations

- .1 Hold a certificate as chief mate on yachts of 3000 gross tonnage or less.

B Training for certification

- .1 Every candidate for certification shall:
- .1.1 hold a certificate as officer in charge of a navigational watch on yachts of 3000 gross tonnage or less;
 - .1.2 meet the requirements for the issue of a chief mate yachts less than 3000 gross tonnage;
 - .1.3 at least 12 months whilst holding a certificate as an officer-in-charge of a navigational watch on yachts of 3000 gross tonnage or less;
 - .1.4 have completed approved education and training and meet the standard of competence specified in table 2.4.C.

C Standard of Competence

- .1 Every candidate for certification as master of a yacht of less than 500 gross tonnage shall be required to demonstrate ability to undertake, at an appropriate level the tasks, duties and responsibilities listed in column 1 [Competence] of table 2.4.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 2.4.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 2.4.C shall be sufficient for master on a yacht of less than 500 gross tonnage to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 2.4.C.

Table 2.4.C
Specification of minimum standard of competence for master on yachts of less than 500 GT

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.5 Master on yachts of less than 3,000 GT

Certification of Master on yachts of less than 3000 GT

- .1 Every master on a yacht of less than 3000 gross tonnage shall hold an appropriate certificate.

A Additional capacities and limitations

B Training for certification

- .1 Every candidate for certification shall:
- .1.1 meet the requirements for certification for master on a yacht of less than 500 gross tonnage;
 - .1.2 at least 24 months whilst holding a certificate as an officer in charge of a navigational watch on yachts of 3000 gross tonnage or less;
 - .1.3 have completed approved education and training and meet the standard of competence specified in table 2.5.C.

C Standard of Competence

- .5 Every candidate for certification as master of a yacht of less than 3000 gross tonnage shall be required to demonstrate ability to undertake, at an appropriate level the tasks, duties and responsibilities listed in column 1 [Competence] of table 2.5.C.
- .6 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 2.5.C.
- .7 The level of knowledge of the material listed in column 2 [Knowledge] of table 2.5.C shall be sufficient for master on a yacht of less than 3000 gross tonnage to carry out their duties.
- .8 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 2.5.C.

Table 2.5.C

Specification of minimum standard of competence for master on yachts of less than 3000 GT

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

Section 3 - Engine department – yachts

.1 Yacht Engine Operator (350 kW)

Certification of engine operator in charge of the engineering machinery on yachts of less than 3000 GT and having main propulsion power of less than 350 kW

- .1 Every yacht engine operator (350 kW) serving in the capacity stated in this Section shall hold an appropriate certificate.

A Additional permissible service

- .1 Every yacht engine operator (350 kW), may also:
- .2 serve in the position of chief engineer officer on yachts less than 200 GT and having main propulsion power less than 1500 kW whilst operating within 60 miles of safe haven and the certificate is so endorsed; and
- .3 having undertaken training specific to the vessels machinery serve as chief engineer officer on yachts less than 200 GT and having main propulsion power less than 3000 kW whilst operating within 60 miles of safe haven, and the certificate is so endorsed.

B Training for certification

- .1 Every candidate for certification shall:
- .2 be not less than 18 years of age; and
- .3 have approved yacht service in the engine department, of a yacht having at least 200 kW propulsion power, under the supervision of a Chief Engineer or other qualified engineering officer for a period of not less than **[1]** month;
- .4 have completed approved education and training and meets the standards of competence specified in section 3.1.C.

C Standard of competence

- .1 Every candidate for certification as yacht engine operator (350 kW) shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 3.1.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 3.1.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.1.C shall be sufficient for yacht engine operator (350 kW) to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 3.1.C.

Table 3.1.C

Specification of minimum standard of competence for yacht engine operator (350 kW)

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.2 Yacht Engine Operator (750 kW)

Certification of engine operator in charge of the engineering machinery on yachts of less than 3000 GT and having main propulsion power of less than 750 kW

- .1 Every yacht engine operator (750 kW) serving in the capacity stated in this Section shall hold an appropriate certificate.

A Additional capacities and limitations

- .1 Every yacht engine operator (750 kW), may also:
 - .1 serve in the position of chief engineer officer on yachts less than 200 GT and having main propulsion power less than 1500 kW whilst operating within 150 miles of safe haven and the certificate is so endorsed; and
 - .2 having undertaken training specific to the vessels machinery serve as chief engineer officer on yachts less than 200 GT and having main propulsion power less than 3000 kW whilst operating within 150 miles of safe haven, and the certificate is so endorsed.

B Training for certification

- .1 Every candidate for certification shall:
 - .1 be not less than 18 years of age; and
 - .2 have completed
 - .1 either:
 - .1 approved yacht service in the engine department under the supervision of a Chief Engineer or other qualified engineering officer for a period of not less than **[18]** months; or
 - .2 shore based engineering experience considered to be equivalent to .1 above; and
 - .3 have approved yacht service in the engine department, of a yacht having at least **[350 kW]** propulsion power, under the supervision of a Chief Engineer or other qualified engineering officer for a period of not less than **[3]** months; and
 - .4 have completed approved education and training and meet the standards of competence specified in section 3.2.C.

C Standard of competence

- .1 Every candidate for certification as yacht engine operator (750 kW) shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 3.2.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 3.2.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.2.C shall be sufficient for yacht engine operator (750 kW) to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 3.2.C.

Table 3.2.C

Specification of minimum standard of competence for yacht engine operator (750kW)

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.3 Yacht Engineer (Class 4) – Officer of the Watch

Certification of engineer officers in charge of an engineering watch in a manned engine-room or designated duty engineers in a periodically unmanned engine-room on yachts 3000 GT and having main propulsion power of more than 750 kW and less than 9000 kW

- .1 Every engineer officer serving in the capacity stated in this section shall hold an appropriate certificate.

A Additional permissible service

- .1 Every yacht engineer officer who is qualified to serve as yacht engineer (class 4) – officer of the watch and who is at least [21] years old, may:
- .1 serve as chief engineer officer on yachts more than 200 GT and less than 500 GT and having main propulsion power more than 750 kW and less than 1500 kW whilst operating within 60 miles of safe haven and the certificate is so endorsed; and
 - .2 serve as second engineer officer on yachts more than 200 GT and less than 500 GT and having main propulsion power more than 750 kW and less than 3000 kW, and the certificate is so endorsed; and
 - .3 serve as second engineer officer on yachts more than 200 GT and less than 3000 GT and having main propulsion power more than 750 kW and less than 3000 kW whilst operating within [60, 150] miles of safe haven and the certificate is so endorsed; and
 - .4 having undertaken training specific to the vessels machinery serve as chief engineer officer on yachts more than 200 GT and less than 500 GT and having main propulsion power more than 750 kW and less than 3000 kW whilst operating within [60, 150] miles of safe haven and the certificate is so endorsed.

B Training for certification

- .1 Every candidate for certification shall:
 - .1 be not less than 18 years of age;
 - .2 have approved yacht service of not less than **[12]** months in the engine department as part of an approved training programme under the supervision of a certificated engineer officer, or otherwise approved yacht service of not less than **[36]** months; and
 - .3 have performed, during the required yacht service (3.3.B.1.2) above, engine-room watchkeeping or Unattended Machinery Spaces (UMS) duties for at least eight hours per day for a period of 6 months while the vessel, having **[500 kW]** propulsion power or more, was on seagoing voyages.
 - .4 have completed approved education and training and meets the standards of competence specified in section 3.3.C.
 - .5 have completed an approved programme of onboard training which;
 - .1 ensures that during the required period of yacht service the candidate receives systematic practical training and experience in the tasks, duties and responsibilities of an officer in charge of an yacht engine-room watch;
 - .2 is closely supervised and monitored by a qualified and certificated engineer officer aboard the yachts in which the approved seagoing service is performed; and
 - .3 is adequately documented in a training record book.

C Standard of competence

- .1 Every candidate for certification as yacht engineer officer of the watch shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 3.3.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 3.3.C.

- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.3.C shall be sufficient for yacht engineer officer of the watch to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 3.3.C.

Table 3.3.C

Specification of minimum standard of competence for yacht engineer officer of the watch

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.4 Yacht Engineer (Class 3) - Chief Engineer Officer

Certification of chief engineer officers on yachts less than 500 GT and having main propulsion power more than 750 kW and less than 3000 kW

- .1 Every engineer officer serving in the capacity stated in this section shall hold an appropriate certificate.

A Additional permissible service

- .1 Every yacht engineer officer who is qualified to serve as yacht engineer (class 3) – chief engineer officer may:
 - .1 serve as chief engineer officer on yachts more than 200 GT and less than 3000 GT and having main propulsion power more than 750 kW and less than 3000 kW whilst operating within 60 miles of safe haven and the certificate is so endorsed; and
 - .2 serve as second engineer officer on yachts more than 200 GT and less than 3000 GT and having main propulsion power more than 750 kW and less than 3000 kW and the certificate is so endorsed; and
 - .3 having undertaken training specific to the vessels machinery serve as second engineer officer on yachts more than 200 GT and less than 3000 GT and having main propulsion power more than 750 kW and less than 6000 kW and the certificate is so endorsed; and

B Training for certification

- .1 Every candidate for certification shall:
 - .1 meet the requirements for certification as a yacht engineer officer of the watch; and
 - .2 have approved yacht service of not less than [6] months in the engine department as assistant engineer officer, yacht engine operator or yacht engineer officer of the watch in addition to that required by section 3.3.B; and
 - .3 have performed, during the required yacht service (3.4.B.1.2) above, engine-room watchkeeping or Unattended Machinery Spaces (UMS) duties for at least eight hours per day for a period of [3] months while the vessel, having 750 kW propulsion power or more, was on seagoing voyages; and
 - .4 have completed approved education and training and meets the standards of competence specified in section 3.4.C.

C Standard of competence

- .1 Every candidate for certification as yacht engineer (class 3) - chief engineer shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 3.4.C
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 3.4.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.4.C shall be sufficient for the candidate to serve in the capacity of yacht engineer (class 3) – chief engineer.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 3.4.C.

Table 3.4.C

**Specification of minimum standards of competence for yacht engineer (class 3)
– chief engineer**

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

**.5 Yacht Engineer (Class 2) – Second Engineer Officer and
Yacht Engineer (Class 1) – Chief Engineer Officer**

Certification of chief engineer and second engineer officers on yachts less than 3000 GT powered by main propulsion machinery of more than 750 kW and less than 9000 kW

- .1 Every engineer officer serving in the capacity stated in this section shall hold an appropriate certificate.

A Additional permissible service

- .1 Every engineer officer who is qualified to serve as yacht engineer (class 2) – second engineer officer may;
- .1 serve as chief engineer officer on yachts more than 200 GT and less than 3000 GT powered by main propulsion machinery of more than 750 kW and less than 3000 kW, 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; and
- .2 having met the requirement (3.5.A.1.1) above and undertaken training specific to the vessels machinery, may serve as chief engineer officer on yachts more than 200 GT and less than 3000 GT and having main propulsion power more than 750 kW and less than 6000 kW whilst operating [60, 150] miles from safe haven and the certificate is so endorsed;

B Training for certification

- .1 Every candidate for certification shall:
- .1 meet the requirements for certification as an officer in charge of a yacht engineering watch; and
- .2 for certification as yacht engineer (class 2) – second engineer officer;

- .1 have approved yacht service of not less than **[12]** months in the engine department, as yacht engineer officer while qualified to serve as yacht engineer (class 4) – engineer officer of the watch; and
 - .2 have performed, during the required yacht service (3.5.B.1.2.1) above, engine-room watchkeeping or Unattended Machinery Spaces (UMS) duties for at least eight hours per day for a period of **[6]** months while the vessel, having 750 kW propulsion power or more, was on seagoing voyages.
- .3 for certification as yacht chief engineer officer shall;
- .1 have approved yacht service of not less than **[6]** months in the engine department, as yacht engineer officer while qualified to serve as yacht engineer (class 2) – second engineer officer; and
 - .2 have, during the required yacht service (3.5.B.2.2.1) above, approved yacht service of not less than **[3]** months in the engine department, as yacht engineer officer on a yacht more than 500 GT and powered by main propulsion machinery of more than **[1500]** kW on seagoing voyages.
- .4 have completed approved education and training and meets the standards of competence specified in section 3.5.C.

C Standard of competence

- .1 Every candidate for certification as yacht engineer (class 2) – second engineer and yacht engineer (class 1) – chief engineer shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 3.5.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 3.5.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.5.C shall be sufficient for the candidate to serve in the capacity of yacht engineer (class 2) – second engineer and yacht engineer (class 1) – chief engineer.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 3.5.C.

Table 3.5.C

Specification of minimum standards of competence yacht engineer (class 2) – second engineer and yacht engineer (class 1) – chief engineer

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			

.6 Engineer serving on yachts having propulsion power of 9000 kW or more

- .1 Where propulsion “boost” engines (used for high speed operation, for short periods of time under, specific operating conditions) are fitted and not used for the normal propulsion of the yacht, they will not be considered as propulsion power in the assessment of the engineering certification requirement.
- .2 Engineers serving on yachts having propulsion power of 9000 kW or more shall hold certification in accordance with the full requirements of regulation III/1 or III/2 of STCW 78, as amended, as appropriate for their position.

Section 4 - Yacht Ratings

Certification of ratings (general purpose, deck and engine room) on yachts less than 3000 GT

- .1 Yacht rating serving in the capacity stated in this Section shall hold an appropriate certificate.
- A Additional permissible service**
- .1 None.
- B Training for certification**
- .1 Every candidate for certification shall:
 - .1 be not less than 16 years of age; and
 - .2 have approved yacht service of not less than 6 months on a yacht of at least 15m load line length; and
 - .3 during the required yacht service (4.1.B.1.2) above, have at least 2 months service on seagoing voyages; and
 - .4 have completed approved education and training and meets the standards of competence specified in section 4.1.C; and

- .5 have completed an approved programme of on-board training which:
 - .1 ensures that during the required period of yacht service the candidate receives systematic practical training and experience in the tasks, duties and responsibilities of a yacht rating;
 - .2 is closely supervised and monitored by a qualified and certificated officer aboard the yachts in which the approved seagoing service is performed; and
 - .3 is adequately documented in a training record book.

C Standard of competence

- .1 Every candidate for certification as yacht rating shall be required to demonstrate ability to undertake, at an appropriate level, the tasks, duties and responsibilities listed in column 1 [Competence] of table 4.1.C.
- .2 The minimum knowledge, understanding and proficiency required for certification is listed in column 2 [Knowledge] of table 4.1.C.
- .3 The level of knowledge of the material listed in column 2 [Knowledge] of table 3.1.C shall be sufficient for yacht rating to carry out their duties.
- .4 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 [Methods] and 4 [Criteria] of table 4.1.C.

Table 3.5.C

Specification of minimum standards of competence yacht ratings

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, Understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
UNDER DEVELOPMENT			