



MIN 473 (M)

TRAINING AND CERTIFICATION - Amendments for Large Yacht Qualification, Navigational Watch Rating, Efficient Deck Hand and Able Seafarer Deck Certification

Notice to all Shipowners, Masters, Deck and Engineer Officers and Ratings and those concerned with Maritime Training, eg, Shipowners, Masters etc

This notice replaces MIN 471 and should be read in conjunction with MSN 1802, MGN 97, MGN 270, MIN 303, MIN 423 and MIN 455.

This MIN expires 31 October 2018

Summary

This MIN describes the planned changes to the large yacht code examinations detailed in MSN 1802 which are due to come into force between August and December 2013 as part of the 2010 Manila amendments to STCW. This notice also details changes to large Yacht Qualifications, Able Seafarer Deck Certification, Navigational Watch Rating (NWR) Certification, the Efficient Deck Hand (EDH) syllabus and the sea service requirement.

Key Points

- 1) Introduction
- 2) Yacht Rating certification, Regulation II/4
- 3) Navigational Watch Rating (NWR) certification, Regulation II/4
- 3) Efficient Deck Hand (EDH) certification and examination
- 4) Able Seafarer Deck certification (AB) Regulation II/5
- 5) Electronic Chart Display Information System (ECDIS)
- 6) Celestial Navigation
- 7) Human Element, Leadership and Management (HELM) training

1. Introduction

- 1.1 The Merchant Shipping (Training and Certification) Regulations 1997 implemented the requirements of the International Convention on Standards of Training, Certification and Watch keeping for Seafarers 1978, as amended, and its associated code (STCW Code). The STCW Convention and its associated code was amended in 2010 (The Manila Amendments) and resulted in changes to the current requirement for large yacht and deck rating examinations and certification.



2. Yacht Rating certification, Regulation II/4

2.1 It was the intention of the MCA to abolish the Yacht Rating Certificate. However, after further discussion with industry the Yacht Rating Certificate will continue to be issued and will be valid for service on Yachts of less than 3000 GT, as per MGN 270.

3. Navigational Watch Rating (NWR) certification, Regulation II/4

3.1 To apply to the MCA for an NWR certificate you must complete application form MSF 4371; this can be found on the MCA web site. To be eligible you must meet the following requirements:

- a) Be at least 17 years old.
- b) Have 6 months sea service on vessels¹ of at least 15m or over in load line length. This sea service can be reduced to 2 months with 'special training' i.e. when following an MNTB course or MCA approved course.
- c) Have completed the four elements of STCW basic training:
 - Personal Survival Techniques (STCW A-VI/1-1),
 - Fire Prevention and Fire Fighting (STCW A-VI/1-2),
 - Elementary First Aid (STCW A-VI/1-3) and
 - Personal Safety and Social Responsibilities (STCW A-VI/1-4).
- d) Have completed the NWR training record book (Annex A).
- e) Hold an ENG 1 or MCA accepted equivalent.

4. Efficient Deck Hand (EDH) certification and examination

4.1 From the 31st December 2013 EDH will be a requirement for the issue of an OOW (Yacht less than 3000 GT) CoC. The EDH certificate covers good basic seamanship practice and the Code of Safe Working Practice for the Merchant Navy.

Note: EDH will not be required for revalidation purposes.

4.2 The requirements for EDH have been amended to allow a more flexible approach for the yacht, workboat and fishing industry. The following certification and experience will permit entry on to an EDH course and examination:

- a) MCA accepted Yachtmaster Offshore certificate² and shorebased course³;

¹ "Vessels" include yachts, fishing vessels, tugs, workboats and Royal Navy vessels.

² Royal Yachting Association (RYA) or International Yacht Training (IYT) certificates will be accepted.

³ The Shorebased Course is not required if you hold a Yachtmaster Offshore issued before 31 July 2003.



- b) Yacht Rating with at least 6 months sea service and a steering certificate or NWR certificate;
- c) Fishing Class 2 CoC or the Seafish 5 day watchkeeping course for under 16.5m fishing certificates;
- d) BML Tier 1, level 2 certificate; **or**
- e) Tug rating with at least 6 months sea time (which may be in categorised water) and a steering certificate or NWR certificate.

Note: before an EDH certificate can be issued, a minimum of 6 months sea service in vessels of more than 15m is required. Sea service in category C and D waters will be accepted at full rate.

- 4.3 Due to the amendments in the STCW Convention minor changes to the EDH syllabus are required (see Annex C). All training providers are required to make the amendments to their course and notify their approving marine office of the changes by the 31st December 2013. Changes to the course will be audited by the approving marine office when the course is reapproved (as per original 5 year approval).

5. Able Seafarer Deck certification, Regulation II/5

- 5.1 The STCW Regulation II/5 Able Seafarer Deck will replace the current AB Certificate of Competency (CoC) as contained in the 'Merchant Shipping (Certificate of Competency as A.B.) Regulation 1970.

- 5.2 The requirements to gain an Able Seafarer Deck Certificate of Proficiency Regulation II/5 are as follows:

- a) not be less than 18 years of age;
- b) have completed the four elements of STCW basic training;
 - Personal Survival Techniques (STCW A-VI/1-1),
 - Fire Prevention and Fire Fighting (STCW A-VI/1-2),
 - Elementary First Aid (STCW A-VI/1-3) and
 - Personal Safety and Social Responsibilities (STCW A-VI/1-4).
- c) gain 12 months sea service⁴ in the deck department whilst holding an NWR certificate Regulation II/4 or whilst holding an EDH certificate;
- d) hold an EDH certificate;
- e) hold an MCA approved Certificate of Proficiency in Survival Craft and Rescue Boat other than fast rescue boats certificate (CPSC&RB), **and**

⁴ Must be completed on vessels over 15m in load line length and include not less than 6 months in vessels of more than 24m in load line length or 80 GT (outside of catergorised waters).



f) hold an ENG 1 or MCA accepted equivalent

Applications for Able Seafarer Deck Certificate, Regulation II/5, will continue to be administered from your local marine office. Please refer to the MCA website for contact details.

5.3 If you are working as a General Purpose (GP) Rating you must complete 18 months seagoing service, of which 6 months must be on deck duties.

5.4 Sea service performed in a deck capacity on a seagoing fishing vessel of more than 16.5m in registered length, Royal Navy ships or Mobile Offshore Units (MOU), will be counted in full, but at least 6 months sea service on merchant ships will be required for certification as an Able Seafarer Deck.⁴

6. Electronic Chart Display Information System (ECDIS)

6.1 From the 31 December 2013 an MCA approved ECDIS certificate will be required for the issue of an MCA Chief Mate (Yacht less than 3000 GT) CoC or above.

Note: This is not a requirement for Master (Code vessel less than 200 GT).

6.2 If you are applying for an OOW (Yacht less than 3000 GT) CoC and do not complete an MCA approved ECDIS course you will be receive the following limitation:

“From the 1 January 2017 this certificate is not valid for service on ships fitted with ECDIS”

6.3 If you hold a Yacht CoC which requires revalidation, please refer to MIN 423⁵.

7. Celestial Navigation

7.1 When applying for Master (Yacht less than 500 GT and 3000 GT) after the 31 December 2013, you will be required to submit documentary evidence of a pass in Celestial Navigation from an MCA approved training provider. Please be aware that a pass in Celestial Navigation is only valid for one year from date of issue (see Annex E for further information). If you are applying for a Master (Yacht less than 3000 GT) CoC and have previously submitted a Celestial Navigation certificate towards the issue of your Master (Yacht less than 500 GT) CoC, you will not be required to resit the examination.

8. Human Element, Leadership and Management (HELM) Training

8.1 From the 31 August 2013 an MCA approved HELM (operational level) certificate has been required for the issue of an OOW (Yacht less than 3000 GT) and Master (Code vessel less than 200 GT).

8.2 From the 31 August 2013 an MCA approved HELM (management level) certificate has been required for the issue of the following certificates;

- Chief Mate (Yacht less than 3000 GT)
- Master (Yacht less than 500 GT)
- Master (Yacht less than 3000 GT).

8.3 For further information such as the HELM requirements when revalidating your CoC, please refer to MIN 455 or any subsequent amendments.

⁵ MIN 423 Revalidating a Certificate of Competency: New Requirements for Masters and Officers.



9. Yacht watchkeeping service – amendment to accrual

- 9.1 Clarification of the watchkeeping service on yachts has been requested by Industry; please see below for the amendment to the MSN 1802 definition.

Watchkeeping service amended: Watchkeeping service may now be recorded on a cumulative basis. This means that every eight hours watch keeping accrued may be counted as one day of watch keeping service and does not need to be completed in a 24 hours period. Time spent at anchor associated with a passage, whilst the Officer is engaged in a bridge watch and if this passage is part of the same 24 hour voyage, can also be accepted. Completing more than 8 hours watchkeeping within a 24 hour period cannot be counted as more than one day watchkeeping time, e.g. a 12 hour watch within a 24 hour period can only be counted as 1 day watchkeeping time.



More Information

Seafarer Training and Certification
Maritime and Coastguard Agency
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Spring Place
105 Commercial Road
Southampton
SO15 1EG

Tel : +44 (0) 23 8032 9231
Fax : +44 (0) 23 8032 9252
e-mail: exams@mcga.gov.uk

General Inquiries: info@mcga.gov.uk

MCA Website Address: www.dft.gov.uk/mca

File Ref:

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telephone numbers are correct at time of publishing



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Safer Lives, Safer Ships, Cleaner Seas



Record of Training for the Issue of a Navigational Watch Ratings Certificate.

Name of Issuing Company

Address

Contact Details

Record of Training for the Issue of a Navigational Watch Rating Certificate under STCW 78 as amended.

Name of Seaman.....

Date of Birth.....

Discharge Book Number or Other National I.D.

.....

To be completed by a Navigational Officer and Certified by the Master

	Action or Task (ref STCW A II/4)	Considered proficient by (name)	Rank	Date
Section 1	Steer the ship and comply with helm orders in the English Language			
a)	Demonstrate knowledge, understanding & proficiency in the use of Magnetic & Gyro compasses, the changeover from Automatic Pilot to hand steering and visa versa.			
b)	Demonstrate ability to maintain a steady course (within acceptable limits) having regard to the area of navigation and prevailing sea state.			
c)	Alterations of course are smooth and controlled.			
d)	Communications are clear and concise at all times and orders are acknowledged in a Seaman-like manner.			



Section 2	Keep a proper lookout by sight and hearing			
a)	Promptly detect & report the approximate bearing of a sound signal, light or other object in degrees or points to the O.O.W.			
Section 3	Contribute to monitoring and controlling a safe watch.			
a)	Demonstrate knowledge of Shipboard terms & definitions			
b)	Demonstrate use of appropriate internal communication & alarm systems.			
c)	Demonstrate ability to understand orders and to communicate with the O.O.W. in matters relevant to watchkeeping duties in a clear and concise manner.			
d)	Demonstrate knowledge of the procedures for the relief, maintenance and handover of a watch.			
e)	Demonstrate knowledge of the information required to maintain a safe watch			
f)	Understand basic environmental protection procedures			
Section 4	Operate Emergency Equipment and Apply Emergency Procedures			
a)	Demonstrate knowledge of Emergency duties and alarm signals			
b)	Demonstrate knowledge of the operation of pyrotechnics distress signals; satellite EPIRBs and SARTs			
c)	Demonstrate knowledge of the avoidance of false distress alerts and actions to be taken in the event of accidental activation.			



d)	Demonstrate knowledge of the initial action required on becoming aware of an emergency or abnormal situation and this action is in conformity with established practices and procedures			
e)	Demonstrate how to communicate in a clear and concise manner at all times and orders are acknowledged in a seaman-like manner			
f)	Ensure that the integrity of emergency and distress alerting systems are maintained at all times			

Testimonial by Chief Officer (Ability, Conduct and Sobriety)

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.....

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.....

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.....Chief Officer

.....Master

Ships Stamp



Additional Qualifying Requirements

Approved sea-going service completed in the Trainee Deck Rating capacity when other qualifying conditions are met

- Minimum 6 month, if not undergoing MCA recognised *special training*.
- Minimum 2 months and completion of special training.
- Minimum 2 months and completion of,
MCA recognised *special training*.

.....Months.....days

Special Training

Certificate Number

Dated

Issued by

Personal Survival Techniques

Certificate Number

Dated

Issued by

Fire Prevention and Fire Fighting

Certificate Number

Dated

Issued by

Elementary First Aid

Certificate Number

Dated.....

Issued by

Personal Safety and Social Responsibility

Certificate Number

Dated.....

Issued by



This is to certify that the above is a true and accurate record of training received by the seaman specified.

Superintendent/Managersignature

..... print

Date

Company Stamp

Certificate Number

Name of Issuing Company

Address

Contact details



Navigational Watch Rating Certificate

This is to certify that

Date of Birth

Discharge Book Number
(or other National ID)

Has met the requirements laid down in Regulation II/4(Deck) of STCW 78 as amended and the standards of competence specified in section A-II/4 of the STCW Code, and is competent to serve as a rating forming part of a Navigational Watch on a sea-going ship of 500 GT or more.

This certificate is issued under the Authority of the maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport

Signature and name of Company
Authorised Representative

Date

Company Stamp

Signature of Rating

Name of Issuing Company
Address

Contact Details



Efficient Deck Hand (EDH) Certificate and Examination Syllabus Leading to the Issue on an STCW Able Seafarer Deck Certificate (Reg II/5).

PART I - Theory

1. Nautical knowledge

- a) Know the meaning of the common nautical terms.
- b) Know the names and functions of various parts of the ship for example, decks, compartments, ballast tanks, air pipes, pipeline systems including bilge and ballast suctions, strum boxes and wells.
- c) Knowledge of the correct use of ensigns, courtesy flags and international single letter flags.
- d) Knowledge of the compass card in 360 degree notation and the ability to report the approximate bearings of an object or light in degrees or points on the bow.
- e) Understanding helm orders and the ability to communicate with the officer of the watch on matters relevant to watch-keeping duties.
- f) Procedures for the relief, maintenance and hand over of a watch and the information needed to maintain a safe watch.
- g) Knowledge of the use of lifesaving and fire-fighting appliances as follows;
 - understand the importance of musters and drills and know what action to take on hearing alarm signals;
 - understand the general arrangements and dangers of fixed smothering systems;
 - understand the correct operation, precautions and dangers of lifeboat release gear;
 - understand the procedures for boat preparation and launching;
 - understand the precautions to be observed when maintaining lifeboats and davits;
 - understand the importance of fire and watertight doors.

Holders of a Navigational Watch Rating certificate will not be examined in points d, e, and f above.

2. Code of Safe Practice for Merchant Seamen (COSWP) 1998

- a) In each of the sections below, the candidate will be expected to have a good working knowledge of the COSWP relevant to seamen's duties and responsibilities as follows;

	Duty and responsibility	Relevant section of COSWP
1	Protective clothing and equipment	Ch. 4
2	Safety signs and to include standard signs and colours for dangerous goods, pipelines, fire extinguishes and gas cylinders.	Ch. 5
3	Safety induction	Ch. 8
4	Fire precautions	Ch. 9
5	Emergency procedures	Ch. 10
6	Safe movement on board ship	Ch. 13
7	Working aloft and outboard	Ch. 15
8	Working in machinery spaces	Ch 15
9	Permit to work	Ch. 16
10	Enclosed spaces	Ch. 17
11	Boarding arrangements	Ch. 18



12	Manual lifting and carrying	Ch. 19
13	Use of work equipment	Ch. 20
14	Lifting plant	Ch. 21
15	Hydraulic and pneumatic equipment	Ch. 22
16	Batteries	Ch. 22
17	Anchoring and Mooring	Ch. 25
18	Hatches	Ch. 26
19	Chemical and biohazard safety	
20	Personal safety equipment	

Note: also examined in part II.

3. Shipboard maintenance

- a) Practical knowledge of general shipboard maintenance including;
- The use of painting, lubrication and cleaning materials and equipment and understand routine maintenance and repair procedures.
 - Knowledge of surface preparation techniques.
 - Knowledge of manufacturer's safety guidelines, shipboard instructions, and the requirements safe disposal of waste materials.
 - Knowledge of the application, maintenance and use of hand and power tools.

4. Apply precautions and contribute to the prevention of pollution of the marine environment.

- a) Basic knowledge of marine environmental issues including;
- The precautions to be taken to prevent pollution of the marine environment.
 - The use and operation of anti-pollution equipment.
 - The approved methods for disposal of marine pollutants.

PART II - Practical work

Testing as far as possible by practical demonstration.

1. Bends and Hitches

- a) Common knots bends and hitches including:-
- Reef knot
 - Timber hitch
 - Cove hitch
 - Rolling hitch
 - Figure of 8 knot
 - Wall and crown knot
 - Bowline and bowline on the bight
 - Sheet bend and double sheet bend
 - Sheepshank
 - Fishermen's bend
 - Monkey's fist
 - Round turn and two half hitches
 - Marlinspike hitch



2. Splicing and whipping

- a) Common splicing and whipping including;
- Eye splice in eight stranded plaited rope
 - Eye back and short splice in three-stranded rope
 - Eye splice with locking tuck in wire rope.
 - Parcel and serve a splice.
 - Whip a rope's end using plain or palm and needle whipping.
 - Put a seizing on a rope and wire.

3. Rope work and rigging

- a) General deck work including;
- Care use and storage of fibre and wire ropes, cables and chains, including their construction, use, marking, maintenance and proper stowage.
 - Slings and rigging a stage and bosun's chair.
 - Rigging a pilot ladder or hoists, gangway and accommodation ladder.
 - Rigging rat guards
 - Rigging a derrick or crane.
 - Use and selection of stoppers for wires and ropes
 - Open and closing hatches and watertight doors including bow, stern and other shell doors.
 - Driving a winch and the general precautions to be taken before and during the operation of a winch whether used for working cargo or warping.
 - Securing the deck for heavy weather.
 - Rigging a hydrostatic release unit.
 - The correct fitting of wire grips (e.g. 'Bulldog' grips).

4. Mooring

- a) General understanding of mooring operations including;
- The functions of mooring and tug lines and how each line functions as part of the overall system.
 - Safe handling of moorings with particular reference to synthetic-fibre ropes and self-tensioning winches.
 - The procedures and order of events for making fast and letting go mooring and tug lines and wires, including towing lines.
 - Working knowledge of the procedures and orders of events associated with mooring to a buoy or buoys.

5. Anchoring

- a) General understanding of anchoring operations including;
- The use and operation of a windlass in anchor work such as anchoring, weighing anchor, securing for sea and warping.
 - The use of anchors in emergencies.
 - The precautions to be taken in the stowage of chain cable and securing the anchors at sea.
 - The marking of the anchor cable.
 - The procedures and order of events for the use of anchors in various operations.



6. Cargo work

- a) General understanding of cargo operations including;
- The gear used in cargo work and an understanding of its uses.
 - General maintenance with particular reference to wires blocks and shackles.
 - The capacities, safe working loads, and breaking strengths of mooring and cargo equipment, including mooring wires, synthetic and fibre lines, winches, anchors windlasses, capstans, bitts, chocks and bollards.
 - The procedures for safe handling, stowage and securing of cargo and stores, including dangerous, hazardous and harmful substances and liquids.
 - The ability to use and understand basic signals for the operation of equipment, including winches, windlasses, cranes, and hoists.
 - Basic knowledge of and precautions to observe in connection with particular types of cargo and identification of IMDG labelling.

Note: Before the exam can be taken as well as the required sea-time the candidates should be the holders of a Navigational Watch Rating certificate and a Proficiency in survival craft and rescue boat other than fast rescue boat certificates. If this is not the case then an Able Seafarer Deck certificate will not be issued.



Specimen Efficient Deck Hand Certificate

(To be produced and registered locally by the issuing Training Provider.)

No. [Training Inst. to allocate]

Name of Issuing Training Provider:

Address:

Tel:

Email:

EFFICIENT DECK HAND CERTIFICATE (Qualifying examination for Able Seafarer Deck)

This is to certify that:

Full Name of Candidate:

Date of Birth:

Discharge Book No:

or other national ID:

has met the requirements laid down in Regulation II/5 (Able Seafarer Deck) of STCW 78 as amended and the standards of competence specified in section A-II/5 of the STCW Code.

This certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

Name and Signature of Training Provider:

Authorised Representative:

Stamp and Date

Signature of Seaman:



Celestial Navigation

The paper will have 100 marks and the student must obtain an overall percentage of 65 to pass. The candidate must also obtain a minimum percentage of 65 in question 1 to pass. The time allowed for the paper is 3 hours.

Topic 1: Using celestial bodies to fix position

- a. Can identify and select the most suitable celestial bodies in the twilight period.
- b. Can determine the time of visible rising and setting of the sun.
- c. Can use any acceptable method to calculate altitude and azimuth*
- d. Can accurately plot lines of position obtained from a sight to fix position.
- e. Can use the nautical almanac and calculator or nautical tables to find a position line from an altitude obtained by a sextant and time obtained from a chronometer.

Topic 2: Determining latitude by celestial means

- a. Can calculate the latitude by Polaris
- b. Can calculate the latitude by meridian altitude of the sun or planet
- c. Can calculate the time of meridian altitude of the sun or planet

Topic 3: Determining the compass error by celestial means

- a. Can determine compass error by amplitude of the sun or a planet
- b. Can determine compass error by azimuth of the sun.
- c. Can determine compass error by azimuth of a star or planet

* **Note:** the student may use any method to calculate the position lines and may use nautical tables, calculator and short method tables but may not use programmable calculators smart phones, tablets or computers.



Yacht Deck Officer Progression Chart including Manila Amendments

Annex F

