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## Changes to Examinations leading to a Restricted Engineering UK Certificate of Competency

Notice to all Ship owners, Masters, Officers, Ratings and those concerned with maritime training.

*This notice should be read in conjunction with MSN 1857, MSN 1859 and MIN 524 and replaces MIN 552 and MIN 565*

*This MIN expires on 31<sup>st</sup> June 2020*

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### Summary:

This MIN details changes in requirements to obtain a Restricted Engineering Certificate of Competency (CoC) in the following areas;

- Merchant Navy Second Engineer, less than 3000 kW, unlimited area, III/3 CoC as detailed in MSN 1857;
- Fishing Class 1 (Chief Engineer) CoC:
- Yacht CoC and academic requirements currently listed in MSN 1859;
- Small Vessel (SV) Engineering sea service requirements for the issue of a Yacht Restricted Small Vessel CoC.

This MIN also indicates changes in General Engineering Science (GES) I & II examinations and information regarding course entry and academic exemptions.

### 1. Introduction

1.1 This MIN provides notification that the MCA written examinations route for Merchant Navy Second Engineer, less than 3000 kW, unlimited area, III/3 licenses, as detailed in Section 3.7.2 of MSN 1857 will expire from 1 July 2021. From this date, these examinations will be replaced in favour of the Small Vessel (SV) Examinations listed under **Section 2**.

1.2 The introduction of the SV Examinations as listed in MIN 524 have brought about changes to the Fishing Class 1 written examinations. Details of these changes are listed under **Section 3**.



- 1.3 This MIN lists new route requirements for those obtaining a Y4, Y3 and Y2 CoC due to changes in examination availability and the introduction of the SV examination structure under Section 4.
- 1.4 Notification of changes to the General Engineering Sciences (GES) I & II examination structure and pass marks will be introduced from December 2019 under **Section 6**.

## 2. Changes to Merchant Navy Second Engineer, less than 3000 kW, unlimited area, III/3 written examinations.

There are currently two routes available to obtain the above CoC:

**Option 1:** Successfully complete the written examinations listed in Section 3.7.2 of MSN 1857

**Option 2:** Complete the following SV Examinations:

- Small Vessel Auxiliary Equipment Part 2;
- Small Vessel Applied Marine Engineering;
- Small Vessel Chief Engineer Statutory and Operational Requirements;
- General Engineering Sciences I & II<sup>1</sup>

The existing structure of examinations listed under Section 3.7.2 of MSN 1857 as per option 1 will remain available until 1 July 2021. From this date, all individuals applying for a Second Engineer, less than 3000 kW, unlimited area, STCW Regulation III/3; CoC will be required to follow option 2 above.

## 3. Changes to Fishing Class 1 (Chief Engineer) Certificate of Competency Written Examination.

The Engineering Knowledge I & II examination required to obtain a Fishing Class 1 CoC will be integrated into the SV Engineering certificate structure. Those seeking to gain a Fishing Class 1 CoC must therefore follow **Conversion Route J3** as listed in MIN 524.

In following **Conversion Route J3**, holders of a Fishing Class 2 will be awarded a Fishing Class 1 license alongside an SV Chief Engineer less than 9000KW, less than 3000GT, unlimited area CoC providing they:

- (a) Complete 24 months' seagoing service on fishing vessels of at least 350 kW which includes 6 months of seagoing service on fishing vessels of 750 kW and or more in power, while holding a Class 2 Fishing CoC;
- (b) Successfully complete the MCA-approved modules and pass the corresponding written examinations for:
  - Marine Diesel Engineering;
  - Auxiliary Equipment – Part I & II;
  - General Engineering Science I & II<sup>1</sup>;
  - Chief Engineer Statutory and Operational Requirements;
  - Applied Marine Engineering;
  - Operational Procedures, Basic Hotel Services and Ship Construction;

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<sup>1</sup> If you hold a relevant engineering qualification (degree, HND/HNC or equivalent) you may be eligible for exemptions. Please refer to section 7.6 in MIN 524.



- (c) Hold the applicable ancillary and safety course certificates listed in section **5 of MIN 524**;
- (d) Hold a valid ENG1 (medical fitness certificate) or accepted equivalent;
- (e) Pass the MCA oral examination for Chief Engineer on Small Vessels less than 9,000 kW, less than 3000 GT, unlimited area, III/2 (syllabus available online, go to [www.gov.uk](http://www.gov.uk) and search “Small Vessel Oral Examination Syllabus”).

**Note:** The existing Fishing Class 2 route will remain open to engineers working on fishing vessels. Individuals following the SV certificate structure as a new entrant will be eligible to gain their Fishing Class 2 license at the awarding of the SV Second Engineer Officer, less than 9000 kW, less than 3000 GT, unlimited area, STCW Convention regulation III/2 Certificate of Competency providing they are able to demonstrate 6 months seagoing service on fishing vessels.

This route will be subject to review to ensure it is aligned with STCW- F and the review of Fishing Training and Certification Regulations (consultation planned for October/November 2019).

#### **4. New Options for Yacht Certification**

You can apply for an NOE for a yacht CoC listed in MSN 1859 up until 1 July 2021. Subject to availability, the yacht modules and corresponding examinations will remain available towards the issue of the applicable Y3 or Y2 CoC. However, yacht modules and corresponding examinations required for the Y4 CoC (including yacht Auxiliary Equipment) have now been replaced by the SV equivalents.

The yacht module completion and pass certificates will remain valid for 3 years from date of issue. If a candidate has failed to pass a yacht examination module, they will be eligible to apply to retake the equivalent SV examination.

The following section details the alternative academic requirements for Y4, Y3, and Y2 CoCs.

##### **4.1 Requirements for Y4 CoC**

To obtain a Chief Engineer, STCW Convention regulation, III/3, Certificate of Competency - Yacht 4 (Y4), in addition to the requirements in MSN 1859, you can now complete the MCA-approved modules and pass the corresponding written examinations for:

- Small Vessel Marine Diesel Engineering (which includes clutch and gearbox syllabus topics);
- Small Vessel Auxiliary Equipment 1;
- Small Vessel Operational Procedures, Basic Hotel Services and Ship Construction;

In all cases (including the route covered in MSN 1859) you must pass the MCA oral examination for “Y4”, this will always include a section on clutch and gearbox topics. The Seafarer Training and Certification Branch will indicate this requirement on your Notice of Eligibility (NOE).

##### **4.2 Requirements for a Y3 CoC**

To obtain a Chief Engineer, STCW Convention regulation III/3, Certificate of Competency - Yacht 3 (Y3) in addition to the requirements in MSN 1859, the following modules and examinations options are available:

- If you completed Small Vessel Auxiliary Equipment 1 to obtain a Y4, you must now complete Small Vessel Auxiliary Equipment 2 in lieu of Yacht Auxiliary Equipment.
- If you go straight to Y3 CoC (not holding a Y4 CoC) you can now complete Small Vessel Auxiliary Equipment 1 and 2 in lieu of Yacht Auxiliary Equipment.



Those looking to progress towards a Y3 CoC who have not yet completed any yacht examinations can now complete the equivalent SV examinations.

#### 4.3. Requirements for a Y2 CoC

You will be exempt from Advanced Hotel Services if you have successfully completed the MCA-approved modules and passed the corresponding written examinations for:

- Small Vessel Auxiliary Equipment I & II;
- Small Vessel Operational Procedures, Basic Hotel Services and Ship Construction;
- Applied Marine Engineering.

Those looking to progress towards Y2 CoC who have not yet completed any Yacht Examinations towards this CoC can now complete the equivalent SV Examinations.

### 5. Introduction of a Small Vessel Engineer CoC restricted to Yachts

The MCA has introduced a Second Engineer less than 9,000 kW, less than 3,000 GT Small Vessel Engineering Certificate of Competency restricted to yachts to provide a pathway for experienced seafarers working within the yacht sector to progress through the SV Engineering structure.

**Please note:** The yacht seagoing service rule (1.5 x while underway) prescribed in MIN 524 **cannot** be used for calculating yacht service towards a yacht only restricted Second Engineer CoC or the Yacht Conversion Routes in Annex A of MIN 524.

**Seagoing service means** the number of days actually spent underway with the main propelling machinery in full use.

#### 5.1 Entry onto an MCA approved preparatory course:

To obtain Small Vessel Engineering CoC restricted to yachts only, you must register at an MCA-approved nautical college (approved small vessel training provider) to obtain a Training Record Book. To obtain a Training Record Book you must meet the following requirements:

- (a) 24 months onboard yacht service on vessels of at least 200 kW, which must include a minimum of 6 months seagoing service (days spent underway);
- (b) Hold an Approved Engine Course 1 & 2 (AEC 1 & 2);
- (c) Hold basic STCW safety training certificates;
  - Personal Survival Techniques (STCW Code A-VI/1-1);
  - Fire Prevention and Fire Fighting (STCW Code A-VI/1-2);
  - Elementary First Aid (STCW Code A-VI/1-3);
  - Personal Safety and Social Responsibilities (STCW Code A-VI/1-4).

#### 5.2 Notice of Eligibility:

Once you have registered with an MCA-approved nautical college and obtained a Training Record Book, in addition to meeting the requirements in 5.1, you must complete the following requirements to be issued with a Notice of Eligibility (NOE) to sit an MCA Oral examination:

- (a) A further 11 months onboard yacht service on vessels of 350 kW, which must include a minimum of 4 months seagoing service (days spent underway);
- (b) Completion of SV Training Record Book during your seagoing service;
- (c) 2 Weeks MCA-approved initial Workshop Skills Training followed by; 2 weeks seagoing service on yachts of at least 350 kW **or** 2 weeks of MCA-approved additional Workshop Skills Training.



### 5.3 Certificate of Competency

In addition to the requirement listed in 5.1 and 5.2 to qualify for the issue of a Second Engineer Less than 9,000 kW, less than 3,000 GT Certificate of Competency restricted to yachts only you must meet the following requirements:

- (a) Successfully complete the MCA-approved modules and pass the corresponding written examinations for:
  - Small Vessel Marine Diesel Engineering;
  - Small Vessel Auxiliary Equipment Part I;
  - Small Vessel Operational procedures, Basic Hotel Services and Ship Construction;
- (b) Hold the applicable ancillary and safety course certificates listed in Section 5 of MIN 524;
- (c) Hold a valid ENG1 (Medical Fitness Certificate) or accepted equivalent;
- (d) Pass the MCA oral examination for Second Engineering Officers on Small Vessels less than 9000 kW, less than 3000 GT, unlimited area, III/2.

Your certificate will carry the following limitation: *“Less than 9000 kW, less than 3000 GT, Unlimited Area, limited to Yachts”*.

Those who completed restricted PSC&RB or updated restricted PSC&RB will also have the following limitation: *“not valid on ships equipped with davit lifeboats”*.

### 5.4 Removing the Yacht only restriction and Progression

Holders of Small Vessel CoCs which are restricted to yachts only, may apply for an upgrade to a full SV CoC when they meet the applicable sea time requirements listed in MIN 524 (sections 3.4). They can then progress down the SV route following the requirements listed in sections 3.6 and 3.7 on MIN 524. These will remain restricted to yachts unless the full sea time requirements for the applicable SV CoC can be met. This route is summarised in Annex B.

The rule in MIN 524 (section 4.8) for yacht seagoing service can be applied when removing the yacht only restriction or progressing to a SV Chief Engineer CoC once this restriction has been removed:

“Seagoing service performed on yachts where for considerable periods the main propelling machinery is not used, will be reckoned as one and a half (1.5) times the number of days actually spent underway. In no case can this exceed the total time served under a company contract. Seagoing service testimonials must state the number of days actually spent underway with the main propelling machinery in full use”.

This route is summarised in **Annex A**.

## 6 Changes to General Engineering Science I & II Examination Structure

From 1 December 2019, General Engineering Science I & II will be divided into the following sections:

General Engineering Science I examination will be constituted of the following sections:

- Applied Mechanics;
- Mathematics



General Engineering Science II examination will be constituted of the following sections:

- Applied Heat;
- Electrotechnology and Naval Architecture.

Candidates must achieve a pass mark of a minimum of 40% in each section. A minimum of 50% overall must be achieved to pass the module.

## **7 Exemptions from Second Engineer III/2 Academic Subjects**

If you hold academic exemptions from the current Second Engineer III/2 academic subjects **only**, you must ensure that you have met all requirements and gained this CoC by 31 July 2020.

After this date Second Engineer specific exemptions will no longer be recognised, and you must instead complete all relevant Management Level academic modules.

Please Note: This restriction does not apply to those who hold academic exemptions up to Chief Engineer III/2 as these are equivalent to the new Management Level academics.

## **8 Course Completion Certificates**

Candidates will be required to hold course completion certificates from an approved college to sit written examinations or an appropriate agreed course exemption.

## **9 Exemption from Courses and Examinations**

Please note that applications for exemptions from academic examinations and courses should be referred to IAMI for assessment. IAMI assessors must be approved by the MCA. IAMI can be contacted by email: [iamiexemption@hotmail.co.uk](mailto:iamiexemption@hotmail.co.uk) or via their website: <http://iami.info/>.

This does not apply to those following an approved education and training programme listed under Section 7 of MSN 1857, completion of which may exempt the individual from Academic Modules and Examinations for Merchant Second and Chief Engineers Certification.



## More Information

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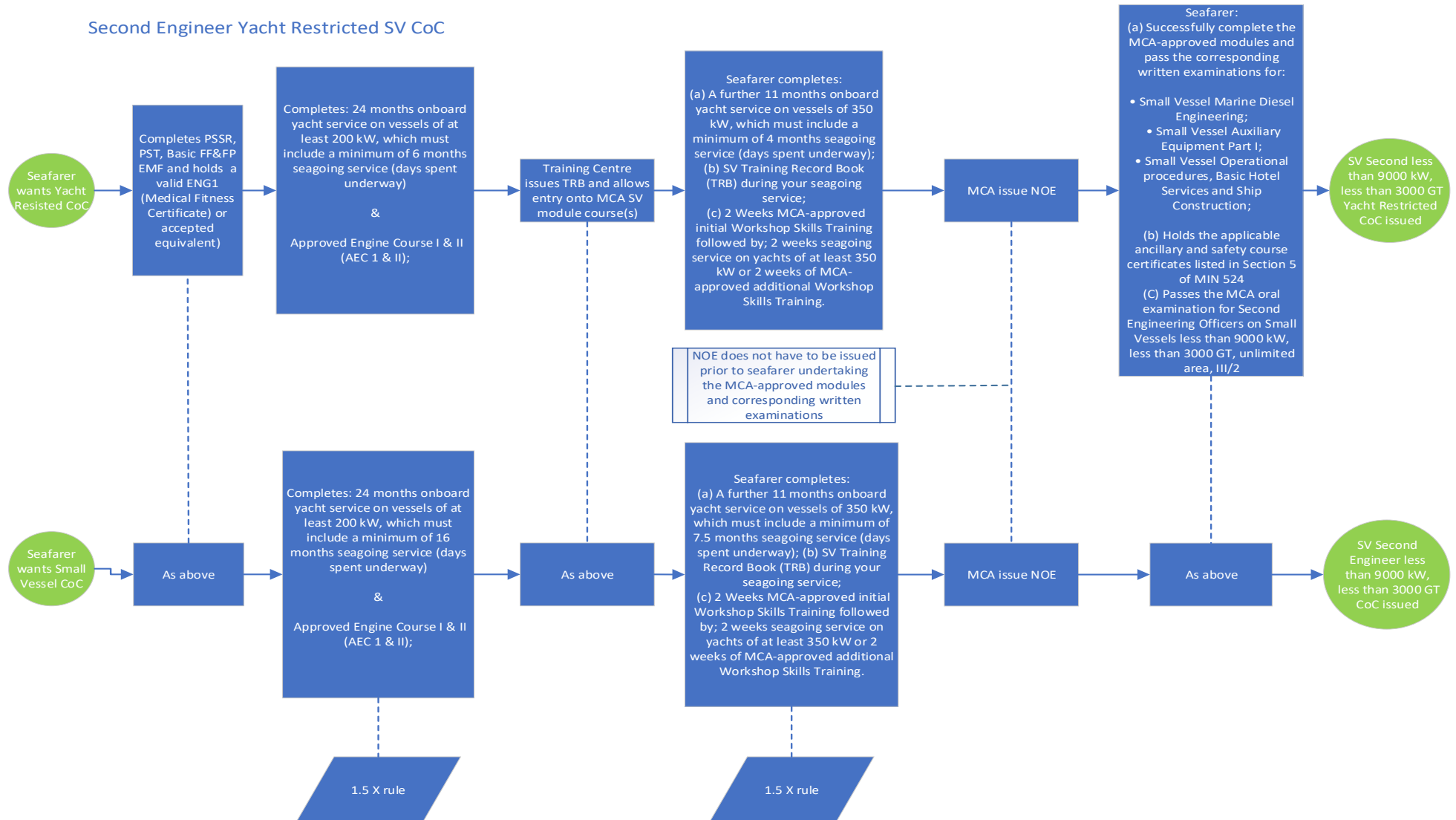
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Second Engineer Yacht Restricted SV CoC





Progression to Chief Engineer Yacht  
Restricted SV CoC

