



SUBJECT: ETHIOPIAN MARITIME AFFAIRS AUTHORITY (EMAA) MARINE NOTICE ON TRAINING & CERTIFICATION GUIDANCE FOR ENGINEER OFFICERS.

Marine notice 02/2015(01)

TO: ALL SHIPOWNERS, OPERATORS, TRAINING INSTITUTIONS, MASTERS, SEAFARERS OF MERCHANT SHIPS, RECOGNIZED ORGANIZATIONS AND THOSE CONCERNED WITH MARITIME TRAINING

Date of Issue: 1st MAR 2016

Summary

This Marine Notice (MN) sets out and explains the regulatory requirements regarding the implementation of training elements applicable under Chapter III of the Standards of Training, Certification and Watch keeping (STCW) Convention and Code as amended. It outlines the certification structure and examination and training requirements for Merchant Navy engineer officers. The certification system provides a structured progression route for trainee officers and ratings entering the industry to achieve an Engineer Officer in Charge of Engineering Watch herein after referred as OICEW, Second Engineer Officer and Chief Engineer Officer qualifications.

This MN covers:

1. Introduction
2. Mandatory Requirements for Engineer Officers
3. Approved Education and Training Programmes
4. Application Procedure
5. Notice of Eligibility (NOE)
6. EMAA Oral Examination
7. Issuance of Certificate of Competency
8. Fraudulent Certificates and Seagoing Service

1. Introduction

This MN implements the requirements of the International Convention and Code on Standards of Training, Certification and Watch-keeping (STCW) 1978, as amended (referred to in this MN as the ‘STCW Convention’ and ‘STCW Code’ respectively), including the provisions prescribing the mandatory minimum requirements for the certification of engineer officers.

1.1. To obtain an Ethiopian STCW Certificate of Competency (COC) applicants shall:

1.1.1 Meet the minimum age requirements; 18 years for OICEW

1.1.2 Meet medical standards and eye sight test, which includes testing of colour and visual acuity. Please refer to Marine Notice No. 4 /2015 for details requirements of medical examination.

1.1.3 Complete the appropriate programmes of education and training, meeting the minimum vocational and academic standard;



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- 1.1.4 Undertake ancillary trainings stipulated under the STCW Convention, 1978, as amended
 - 1.1.5 Complete the minimum period of seagoing service supported by Seaman Book or sea testimonial; *Seagoing service is defined as time spent onboard a ship, relevant to the issue of the certificate or other qualification being applied for.*
 - 1.1.6 Seagoing service must be in the engineering department reckoned from the date of engagement to the date of discharge. At least 12 months of the qualifying seagoing service must have been performed within the 5 years immediately preceding the date on which the application is received by the EMAA. A month is defined as a calendar month or 30 days if made up of periods less than 1 month
 - 1.1.7 Watch keeping letter/Certificate or watch keeping statement that may be included in the sea testimonial;
 - 1.1.8 Get acceptance of EMAA's Notice of Eligibility; and
 - 1.1.9 Pass written and oral examination conducted by EMAA examiner(s).

2 Mandatory Requirements for Engineer Officers For unlimited trading areas:

2.1. Officer in Charge of an Engineering Watch – OICEW (STCW Reg III/1)

- 2.1.1. To apply for a COC for OICEW applicants are required to complete:-
 - a. BSC degree in Marine Engineering ; or
 - b. BSc, in mechanical engineering from university/college that is recognized by FDRE Ministry of Education (MOE).
- 2.1.2. For candidates with no relevant marine engineering training or experience, as per article 2.1.1.(b), achievement of the desired standard will typically involve minimum 6 months combined approved workshop and theory training;
- 2.1.3. Twelve months Sea service on sea going ship powered by main propulsion machinery of 3000kw or more;
- 2.1.4. The twelve months service requirement as per Art 2.1.3. shall be supported by the approved TRB and signed by the C/Engineer/Master of the ship. The training includes knowledge, understanding and proficiencies listed in the STCW Code as amended; The



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Authority considers the approved onboard Training Record Book as part of the main program.

- 2.1.5. The candidate must spend at least Six months in watch keeping or UMS duties on the main propelling machinery of motor ships;
- 2.1.6. Ancillary training and other requirements listed down at the Annex 1 below ;
- 2.1.7. Pass written examination conducted by EMAA or delegated institution in the following professional subjects:
 - 2.1.7.1. General Engineering Knowledge; and
 - 2.1.7.2. Motor Engineering Knowledge
- 2.1.8. Pass oral examination conducted by EMAA examiner(s).

2.2. Second Engineer Officer – Unlimited (STCW Reg III/2)

To apply for a COC for Second Engineer officers, applicants are required to complete:-

- 2.2.1. 18 Months sea service on ships of not less than **3000 KW** registered power whilst holding OICEW (class 3) COC issued in accordance with regulation III/1 of STCW 78, as amended; out of which at least **12 months** must be spent in watch keeping or UMS duties on the main propelling machinery of motor ships.
- 2.2.2. Candidates shall be required to follow an approved programs of education and training which includes:-
 - 2.2.2.1. Knowledge, understanding and proficiencies listed in the STCW Code Section A- III/2
 - 2.2.2.2. ancillary training and other requirements for certification under Regulation III/2 listed in Annex 1 table 1 (unless completed previously); *then*
- 2.2.3. Pass written examination conducted by EMAA or delegated institution (it may be possible to gain exemption from these on the basis of past achievements in the university/college that are recognized by FDRE Ministry of Education (MOE))
 - 2.2.3.1. Applied heat;
 - 2.2.3.2. Applied mechanics;
 - 2.2.3.3. Mathematics;



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- 2.2.3.4.Engineering drawing;
 - 2.2.3.5.Management of personnel;
 - 2.2.3.6.Marine electrotechnology ;and
 - 2.2.3.7.Naval architecture.
- 2.2.4. Pass written examination conducted by EMAA or delegated institution in the following professional subjects:
- 2.2.4.1.General engineering knowledge; *and*
 - 2.2.4.2.Motor and/or steam engineering knowledge.
- 2.2.5. Pass oral examination conducted by EMAA examiner(s) in the following professional subjects:

2.3. Chief Engineer Officer – Unlimited (STCW Reg III/2)

To apply for a COC for Chief Engineer officers, applicants are required to complete:-

- 2.3.1. 18 Months sea service on ships of not less than **3000 KW** registered power whilst holding Second Engineer COC issued in accordance with regulation III/2 of STCW 1978, as amended; out of which at least **12 months** must be spent in watch keeping or UMS duties on the main propelling machinery of motor ships.
- 2.3.2. Candidate are required to follow an approved program of education and training which includes:
 - 2.3.3.1 Knowledge, understanding and proficiencies listed in the STCW code
 - 2.3.3.2 Ancillary training and other requirements for certification under Regulation III/2 listed in Annex 1 Table 1 below (unless completed previously); *then*
- 2.3.3. Pass written examination conducted by EMAA or delegated institution (it may be possible to gain exemption from these on the basis of past achievements in the university/college that are recognized by FDRE Ministry of Education (MOE))
 - 2.3.3.1.Applied mechanics;
 - 2.3.3.2. Applied heat;
 - 2.3.3.3.Marine electrotechnology; *and*



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2.3.3.4. Naval architecture.

2.3.4. Pass written examination conducted by EMAA or delegated institution (it may be possible to gain exemption from these on the basis of past achievements) in the following professional subjects:

2.3.4.1. General engineering knowledge;

2.3.4.2. Motor engineering knowledge; *and*

2.3.5. Pass oral examination conducted by EMAA board of examiners.

3. Approved Education and Training Programmes

3.1. Education and training programmes leading to the issue of a Certificate of Competency must be approved by the EMAA. EMAA will ensure that each programme meets the STCW regulatory requirements.

3.2. EMAA will monitor and audit maritime college(s) that offer training and education leading to the issue of an STCW Certificate of Competency. To ensure learning outcomes can be successfully delivered, EMAA requires a classroom attendance rate of at least 80%. Maritime colleges may set a higher rate of attendance.

3.3. Passing mark for each academic subject is 50%, passing mark for the professional subjects is 70%. The academy may set a higher rate.

4. Application Procedure

4.1. The application form, FM-MA-01 and WI-MA-02 details the procedure and fee to obtain a Certificate of Competency. Applicants must complete this form and submit it to EMAA with the relevant fee and documents listed on the form.

4.2. The application form is available to download from EMAA website: go to www.etmaritime.com

5. Notice of Eligibility (NOE)

5.1. If applicants meet the requirements specified in the application form, they will be issued with a Notice of Eligibility (NOE).

5.2. The NOE will allow applicants to book an oral examination and provide them with a list of any outstanding documents that will be needed to submit prior to the issuance of Certificate of Competency.

5.3. Prior to the issue of the NOE, applicants must submit their application and required documents as per FM-MA-29(01):



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6. Oral Examination

- 6.1. Applicants shall bring current passport and seaman book to the oral examination center as a means of identification;
- 6.2. It is recommended that applicants must complete all of the education and training before attempting the oral examination, as this will provide them with the knowledge on which the examination is based;
- 6.3. The result of oral examination of successful candidates is valid for a period of 3 years.
- 6.4. Unsuccessful candidates may apply to EMAA for another NOE. If a candidate fails an oral examination, re-sits may be taken at the following intervals:
 - 6.4.1. Second attempt – 2 weeks after the initial examination;
 - 6.4.2. Third attempt – 2 weeks after the second attempt;
 - 6.4.3. Subsequent attempts - 3 months after the previous attempt.
- 6.5. Time periods between examinations can be reduced at the discretion of the EMAA examiner. Where a candidate exhibits a lack of basic competency across the syllabus or makes fundamental errors in areas of safety, the examiner may impose a seagoing service penalty which the candidate must complete before sitting for the re-examination.

7. Issuance of Certificate of Competency

- 7.1. The Authority may issue a COC up on the fulfilment of the documentary evidence, which include a written and oral examination result achieved within 3 years;
- 7.2. The appropriate COC may be issued and is valid for a period of 5 years from the date that the qualifying conditions were met.
- 7.3. Further information and guidance is available from EMAA's website www.etmaritime.com

8. Submission of Fraudulent documentary evidence

- 8.1. EMAA will verify that all of the information submitted by applicants in support of their application is accurate and true; particularly EMAA will
 - a) Verify all Certificates of Competency and Watch keeping certificates
 - b) Check and verify ancillary and safety course certificates;
 - c) Verify seagoing service testimonials and Seaman book entries;
 - d) Course completion certificates.
- 8.2. If applicants submit fraudulent seagoing service records or certificates, EMAA shall not allow applicants to proceed with their application. EMAA reserves the right not to let applicants apply again until after a period specified by the EMAA Examiner(s).



The Federal Democratic Republic of Ethiopia
Ministry of Transport
Ethiopian Maritime Affairs Authority (EMAA)
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8.3.EMAA may also refer the application supported by fraudulent documentary evidence to the concerned law enforcement organs for appropriate legal action.

ANNEX 1.

Table 1 - Ancillary Training and Requirements

Additional Training Requirement	STCW 1978, Regulation as amended			STCW Code Ref
	III/1	III/2	III/3	
Personal Survival Techniques	√	√	√	A-VI/1-1
Fire Prevention and Fire Fighting	√	√	√	A-VI/1-2
Elementary First Aid	√	√	√	A-VI/1-3
Personal Safety and Social Responsibility	√	√	√	A-VI/1-4
Proficiency in survival Craft and Rescue Boats	√	√	√	A-VI/2 para-1-4
Advanced Fire Fighting	√	√	√	A-VI/3 Para-1-4
Medical First aid	√	√	√	A-VI/4 para-1-3
Security awareness	√	√	√	A-VI/6
High Voltage (operational) Optional	√	-	-	A-III/1
High Voltage (management) Optional	-	√	-	A-III/2
HELM (operational)	√		-	A-III/1
HELM (management)	-	√	√	A-III/2
Environmental Awareness	√	√	√	A-III/1