

Republic of the Philippines
Department of Transportation and Communications
MARITIME INDUSTRY AUTHORITY
STCW OFFICE

STCW Circular No. 2014-09

TO: ALL SEAFARERS, MARITIME INDUSTRY STAKEHOLDERS, MARITIME HIGHER EDUCATION INSTITUTIONS, MARITIME TRAINING INSTITUTIONS, PORT STATE CONTROL, AND OTHER ENTITIES AND INDIVIDUALS CONCERNED

SUBJECT: MANDATORY MINIMUM REQUIREMENTS FOR EXAMINATION, ASSESSMENT, LICENSING AND CERTIFICATION OF OFFICER-IN-CHARGE OF AN ENGINEERING WATCH (OIC-EW) ON SHIPS OF 750 KW PROPULSION POWER OR MORE

Pursuant to Republic Act 10635 and its Implementing Rules and Regulations (IRR), the 1978 International Convention on Standards of Training, Certification and Watchkeeping (STCW), as amended, the following rules shall be adopted:

1. OBJECTIVES

- 1.1 To prescribe standards and procedures in full compliance with the requirements of STCW Chapter III for mandatory minimum requirements for examination, assessment and certification of Officer-in-charge of an Engineering Watch (OIC-EW) on a seagoing ship of 750 kW propulsion power or more; and
- 1.2 To streamline the examination, assessment, licensing and certification processes by ensuring that all candidates for Officer-in-charge of an Engineering Watch (OIC-EW) are adequately equipped and are in full compliance with the requirements of STCW, as amended.

2. COVERAGE

This Circular shall apply to all candidates for certification as Officer-in-charge of an Engineering Watch (OIC-EW) on ships of 750 kW propulsion power or more.

3. DEFINITION OF TERMS

For the purpose of this Circular, in addition to the terms defined under STCW Circular No. 2014-01, the following terms shall be defined as follows:

- 3.1 "Officer in Charge of an Engineering Watch" (OIC-EW) means an engineer officer in the operational level who has direct control over the performance of all functions within the designated area of responsibility in accordance with proper procedures and under the direction of the chief engineer officer or second engineer officer for that responsibility;

- 3.2 "Candidate" means any seafarer who intends to undergo assessment of competence to qualify for certification as OIC-EW;
- 3.3 "Approved training record book" means the training record book (TRB) for a candidate for certification as OIC-EW, approved by the Administration;
- 3.4 "Approved education and training program" means the Bachelor of Science in Marine Engineering Program, under supervision of the Commission on Higher Education (CHED), or a training program approved by the Administration for the purpose of qualifying as OIC-EW;
- 3.5 "Approved workshop skills training" means the workshop skills training program approved by the Administration;
- 3.6 "Re-sit" means taking the theoretical examination or practical assessment for the same competence, due to previous failure;
- 3.7 "Ancillary Proficiencies" for OIC-EW, means:
- .1 Basic Training;
 - .2 Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats;
 - .3 Advanced Fire Fighting; and
 - .4 Medical First Aid.
- 3.8 "Category-A" means a candidate with approved education and training that commenced from June 2013 onwards;
- 3.9 "Category-B" means a candidate with approved education and training that commenced prior to June 2013;
- 3.10 "OIC-EW Updating Training" means the approved training program for a Category-B candidate, in order to be fully compliant with the required education and training for OIC-EW under the STCW 2010 Amendments;
- 3.11 "Continuing Professional Education for OIC-EW" (CPE-OIC-EW) means the approved educational program for a candidate seeking renewal of MARINA License only, but with no intention of seeking revalidation of COC under the STCW Convention;
- 3.12 "Examination and Assessment Division" (EAD) means the Division under the STCW Office of MARINA, tasked to properly and efficiently implement examination and assessment standards and procedures in full compliance with the STCW, as amended, to ensure the qualifications of seafarers for the purpose of certification by the Administration;
- 3.13 "Seafarers' Certification System" (SCS) refers to the MARINA Seafarer's Certification System, where all the relevant data and documentary evidence relating to the issuance of the seafarer's STCW Certificates (COC, COP, COE) are systematically organized, and where all approved providers of such data and documentary evidence must be enrolled in order for the Administration to validate the authenticity of such;

- 3.14 "MARINA License" means the professional seafarer's identity card issued by MARINA to Filipino professional mariners;
- 3.15 "Month" means a period of 30 days; hence a period of 12 months is 360 days.

4. GENERAL REQUIREMENTS FOR ISSUANCE OF LICENSE AND CERTIFICATE OF COMPETENCY (C.O.C.) FOR OFFICER-IN-CHARGE OF ENGINEERING WATCH (OIC-EW) ON SHIPS OF 750 kW PROPULSION POWER OR MORE

- 4.1 Every candidate for assessment of competence as OIC-EW shall meet the standard of competence by passing the following:
- .1 Theoretical examination (Annex 1);
 - .2 Practical assessment (Annex 2); and
 - .3 Assessment of competence in Ancillary Proficiencies under Section A-VI/1.2, Section A-VI/2, Paragraphs 1 to 4, Section A-VI/3, Paragraphs 1 to 4, and section A-VI/4, Paragraphs 1 to 3 of the STCW Code, by completing:
 - .1 Basic Training;
 - .2 Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats;
 - .3 Advanced Fire Fighting; and
 - .4 Medical First Aid.
- 4.2 The candidate for theoretical examination as OIC-EW on ships of 750 kW propulsion power or more shall satisfy the requirements for certification under STCW, Regulation III/1.2 (see Annex 1).
- 4.3 The candidate for certification shall also submit:
- .1 Proof of successful completion of the approved practical instruction or approved simulator training in Maintaining a Safe Engineering Watch (or Engine Room Simulator with Engine Room Resource Management (ERS w/ ERRM, covering this area);
 - .2 If commenced approved education and training prior to June 2013:
 - .1 Proof of successful completion of the approved practical instruction or approved simulator training in High-voltage Installations;
 - .2 Control Engineering;
 - .3 Proof of approved seagoing service on ships of 750 kW propulsion power or more, the latest of which is not beyond 5 years ago, for a period of:
 - .1 Not less than 12 months as part of an approved education and training program, as Engine Cadet, Engine Apprentice, or otherwise as an engine department trainee for certification as OIC-EW; or
 - .2 Not less than 36 months of combined approved workshop skills training and approved seagoing service in the engine department, of which not less than 30 months shall be seagoing service in the engine department;
- 4.4 The candidate may complete the above requirements separately, independently, and in any order, but each element, including the Medical Certificate, shall be valid at the time of application for COC as OIC-EW;

5. THEORETICAL EXAMINATION

5.1 SPECIFIC REQUIREMENTS FOR APPLICATION

Every candidate for examination as Officer-in-charge of Engineering Watch (OIC-EW) on ships of 750 kW propulsion power or more shall submit:

- .1 Birth Certificate showing that the candidate is not less than 18 years of age;
- .2 Approved seagoing service on ships of 750 kW propulsion power or more, for a period of:
 - .1 Not less than 12 months as part of an approved education and training program, as Engine Cadet, Engine Apprentice, or otherwise as a trainee for certification as OIC-EW; or
 - .2 Not less than 36 months of combined approved workshop skills training and approved seagoing service in the engine department, of which not less than 30 months shall be seagoing service in the engine department;
 - .3 The above approved seagoing service may not be substituted with other types of approved service, as those equivalents may be allowed only for Revalidation of Certificate of Competency, under Section 12 of this Circular.
- .3 Approved Training Record Book (TRB) as proof of onboard training that meets the requirements of Section A-III/1 of the STCW Code, if in compliance with 5.1.2.1 above;
- .4 Daily Journal of Engine-room Watchkeeping Duties (DJEWD), as proof of engine room watchkeeping duties under the supervision of the chief engineer officer or a qualified engineer officer for a period of not less than 180 days, or its alternative, as outlined in STCW Circular 2014-02;
- .5 Valid Medical Certificate, which shall not be more than 2 years from the date of issuance, from DOH-accredited medical clinic/hospital with QSS in place, in accordance with Regulation I/9 of the STCW Convention; and
- .6 Transcript of records with S.O. Number, from an accredited MHEI, as proof of successful completion of the approved education and training program that meets the standard of competence specified in Section A-III/1 of the STCW Code, or as otherwise approved by the Administration.

5.2 PROCEDURES FOR THEORETICAL EXAMINATION

The candidate shall:

5.2.1 Prior to taking the examination:

- .1 submit all the Specific Requirements under Section 5.1 to:
 - .1 STCW online system for uploading documents (except the TRB and EJBWD), as soon as MARINA has enabled the system; or if not yet enabled:

- .2 the Examination and Assessment Division (EAD) of STCW Office of MARINA in Manila, or
 - .3 EAD's counterpart in any MARINA Regional Office that conducts theoretical examination;
- .2 secure an online appointment number, date and time, then proceed to EAD on the given schedule, with all the original documents, including the TRB and DJEWD;
 - .3 after verification of validity and authenticity of Specific Requirements, complete the form "Application for Theoretical Examination as OIC-EW";
 - .4 indicate the particular competences that he intends to be examined on;
 - .5 pay the corresponding examination fee, which shall be a fixed amount each time the candidate sits for the examination, whether taken in full, partially, or re-sit;
 - .6 register in the Seafarers' Certification System;
 - .7 secure a schedule from the EAD; and
 - .8 proceed to the examination at the scheduled venue and time;

5.2.2 During the examination:

- .1 report to the examination venue at least 30 minutes prior to schedule;
- .2 follow the instructions of the authorized MARINA personnel;
- .3 take the examination only for the competences indicated;
- .4 complete the examination in every competence indicated within the time allowed;
- .5 not leave the examination premises until after taking the examination, as scheduled;

5.2.3 After taking the examination:

- .1 secure his ratings in the various competences;
- .2 note the competences with a failing mark, if any; and
- .3 schedule for re-sit, if necessary; or
- .4 schedule other competences not yet taken, if necessary;

5.3 REQUIREMENTS FOR SUCCESSFUL PASSING OF THE THEORETICAL EXAMINATION

For successfully passing and completing the theoretical examination, the following shall be complied with:

- .1 The candidate shall pass all the competences within a period not exceeding 2 years (24 months) (see Annex 1);
- .2 If the candidate fails to complete all the competences within the 2-year period, those that received a "PASSED" mark beyond 2 years shall expire, and shall be re-examined accordingly;
- .3 The candidate may choose as many competences as he intends to take in one sitting;
- .4 However, a candidate who fails in 3 or more competences in one sitting shall not be allowed to apply for re-sit within a 1-month period ("The 3-1 Rule");

- .5 A candidate who fails in a particular competence for 3 times, shall not be allowed to apply for re-sit in such competence, until upon showing proof of:
 - .1 approved seagoing service for a period of not less than 3 months, with a certification from the ship's chief engineer officer that the candidate has undergone on board experience relating to that particular competence ("The 3-3 Rule"); or
 - .2 successful completion of an approved training or refresher program relating to that particular competence, taken after the third failure;

6. PRACTICAL ASSESSMENT OF COMPETENCE

6.1 SPECIFIC REQUIREMENTS FOR APPLICATION

- .1 Every candidate for practical assessment of competence as Officer-in-charge of Engineering Watch (OIC-EW) on ships of 750 kW propulsion power or more shall submit the following to the approved assessment institution:
 - .1 For competences under Function 1 and Function 4, proof of successful completion of ERS with ERRM (IMO Model Course 2.07); and
 - .2 For competences under Function 2, proof of successful completion of approved education and training program complying with the standard of competence under STCW 2010 Amendments, through the transcript of records from an MHEI, or an approved training program related thereto;
- .2 Every candidate shall be pre-registered in the SCS, for the practical assessment to be valid.

6.2 PROCEDURES FOR PRACTICAL ASSESSMENT OF COMPETENCE

Every candidate for practical assessment of competence shall demonstrate competence by presenting the following (see Annex 2):

- .1 Under Function 1 (Marine engineering at the operational level), proof of passing the assessment of competence on the following areas, after successful completion of approved training in ERS with ERRM (IMO Model Course 2.07):
 - .1 Maintain a safe engineering watch;
 - .2 Use internal communication systems;
 - .3 Operate main and auxiliary machinery and associated control systems;
 - .4 Operate fuel, lubrication, ballast and other pumping systems and associated control systems;
- .2 Under Function 2 (Electrical, electronic and control engineering at the operational level), submit proof of passing the assessment of competence on

the following areas, after successful completion of approved training in this Function (Control Engineering or in Transcript of Records):

- .1 Operate electrical, electronic and control systems;
- .3 Under Function 3 (Maintenance and repair at the operational level), after successful completion of approved Workshop Skills Training (in Transcript of Records, or as otherwise approved): NONE;
- .4 Under Function 4 (Controlling the Operation of the ship and care for persons on board):
 - .1 Application of leadership and teamworking skills (upon submitting certificate of successful completion of the approved training program on ERS w ERRM;

6.3 REQUIREMENTS FOR SUCCESSFUL PASSING OF THE PRACTICAL ASSESSMENT OF COMPETENCE

For successfully passing and completing the practical assessment of competence, the following shall be complied with (see Annex 2):

- .1 The candidate shall pass all the required competences within a period not exceeding 2 years (24 months);
- .2 If the candidate fails to complete all the competences within the 2-year period, those that have received a "PASSED" mark beyond 2 years shall expire, and shall be re-assessed accordingly;
- .3 The candidate may be assessed, immediately following completion of the required approved education and training program outlined above;
- .4 A candidate who fails may re-sit for the assessment of competence in any competence immediately, if necessary;
- .5 A candidate who fails in the same competence 3 times, shall not be allowed to re-sit for such competence, until upon showing proof of approved sea service for a period of not less than 3 months, with a certification from the ship's master that the candidate has undergone on board experience relating to that particular competence ("The 3-3 Rule");

7. ASSESSMENT OF COMPETENCE IN ANCILLARY PROFICIENCIES

7.1 The assessment of competence in Ancillary Proficiencies under Section A-VI/1.2, Section A-VI/2, Paragraphs 1 to 4, Section A-VI/3, Paragraphs 1 to 4, and section A-VI/4, Paragraphs 1 to 3 of the STCW Code, covers the following:

- .1 Basic Training;
- .2 Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats;
- .3 Advanced Fire Fighting; and
- .4 Medical First Aid.

- 7.2 The proof of successful assessment of competence shall be provided to the Administration for proper recording;
- 7.3 Certificates of Proficiency on the above Ancillary Proficiencies may be revalidated to conform to the 5-year period of validity of the COC for OIC-EW being applied for. Otherwise, the COC shall be valid only up to the period of validity of any of the COP's that shall be expiring first.

8. DOCUMENTS ISSUED BY THE ADMINISTRATION

- 8.1 For a candidate who has completed all the requirements under Section 4 of this Circular:
- .1 MARINA License for OIC-EW on ships 750 kW propulsion power or more (Professional ID);
 - .2 Certificate of Competency for OIC-EW on ships 750 kW propulsion power or more (under STCW); and
 - .3 Certificate of Endorsement relating to the issuance of the COC (under STCW)
- 8.2 For a candidate with a valid PRC license, but without COC:
- .1 MARINA License for OIC-EW on ships 750 kW propulsion power or more (Professional ID);
- 8.3 For a candidate with a valid PRC license and COC:
- .1 MARINA License for OIC-EW on ships 750 kW propulsion power or more (Professional ID);
 - .2 Certificate of Competency for OIC-EW on ships 750 kW propulsion power or more (under STCW), subject to the requirements on revalidation of certificates; and
 - .3 Certificate of Endorsement relating to the issuance of the COC (under STCW)
- 8.4 For a candidate with an expired PRC license, but without COC:
- .1 MARINA License for OIC-EW on ships 750 kW propulsion power or more (Professional ID), subject to applicable penalties;
- 8.5 For a candidate with an expired COC:
- .1 Certificate of Competency for OIC-EW on ships 750 kW propulsion power or more (under STCW), subject to the requirements on revalidation of certificates;

9. VALIDITY OF LICENSE AND CERTIFICATES

- 9.1 MARINA License: 5 years from the date of issuance
- 9.2 COC:

- .1 Category A: 5 years from date of issuance, or until the validity of COP under Section 4.1.4 with shortest period of validity, but not later than the validity of MARINA License.
- .2 Category B, with OIC-EW Updating Training: 5 years from date of issuance, or until the validity of COP under Section 4.1.4 with shortest period of validity, but not later than the validity of the MARINA License.
- .3 Category B, without OIC-EW Updating Training, until 31 December 2016.

9.3 COE: same period of validity as the COC.

10. RENEWAL OF MARINA LICENSE

- 10.1 The MARINA License shall be renewed at the same time as the revalidation of the COC;
- 10.2 However, a candidate seeking renewal of MARINA License only, without the intention of seeking revalidation of COC, shall undergo the approved CPE-OIC-EW, except if the candidate:
 - .1 has approved seagoing service of not less than 12 months in the last 5 years, or 3 months in the last 6 months; or
 - .2 has approved service in the STCW Administration for a period of not less than not less than 6 months in the last 5 years, or 3 months in the last 6 months; or
 - .3 has experience as accredited instructor, supervisor or assessor for an aggregate period of not less than 6 months in the last 5 years, or 3 months in the last 6 months in an approved training program in an MTI or MHEI.

11. REVALIDATION OF CERTIFICATE OF COMPETENCY (COC) AS OIC-EW

- 11.1 At intervals not exceeding 5 years, a holder of a valid COC shall revalidate it by proving continued professional competence which can be established by:
 - .1 approved seagoing service, performing functions appropriate to OIC-EW, for a period of at least:
 - .1 12 months in total during the preceding 5 years, or
 - .2 3 months in total during the preceding 6 months immediately prior to revalidating; or
 - .2 having performed functions considered to be equivalent to the seagoing service required in Paragraph 11.1.1.1, where 2 days of in-service experience ashore is equivalent to 1 day of sea going service (2 to 1 ratio) by:
 - .1 Service in the Administration, specific to STCW-related tasks;

- .2 Service as active Naval or Coast Guard Officer in the Philippines, under the Guidance in Section B-IX of the STCW Code;
 - .3 Actual days of service as an Accredited Instructor, Supervisor or Assessor of Competence in an Approved Training Program (ATP) in an MTI;
 - .4 Actual days of service as an Accredited Instructor, Member of the Faculty, Supervisor, Dean, Shipboard Training Officer or Assessor of Competence for an Approved Education and Training Program (AETP) in an MHEI;
 - .5 Actual period of service as Sea or Harbor Pilot;
 - .6 Service as onboard instructor or assessor of competence;
 - .7 Other such functions which require, by regulation, an equivalent level of certificate of competency or certificate of proficiency, to perform while serving on land; or
- .3 passing the approved theoretical examination and practical assessment; or
 - .4 successfully completing an approved training program that may be allowed by the Administration; or
 - .5 having completed approved seagoing service, performing functions appropriate to the certificate held, for a period of not less than 3 months in a supernumerary capacity.
- 11.2 The period of service in Paragraphs 11.1.1.1 and 11.1.2 above may be combined proportionately to meet the requirement for revalidation. (Example. 6 months of approved seagoing service; plus 4 months of service in the STCW Administration (2 to 1); plus 8 months as an accredited Instructor (2 to 1); plus aggregate of 30 days as accredited Assessor (2 to 1) = 12.5 months total, therefore qualified for revalidation)
- 11.3 A corresponding Certificate of Endorsement (COE) attesting to the issuance of the COC and related Certificates shall be issued upon full compliance with all the requirements of the STCW Convention.

12. SCHEDULE OF FEES, PENALTIES AND FINES

The schedule of fees, penalties and fines shall be provided in a separate circular.

13. MISCELLANEOUS PROVISIONS

- 13.1 The mandatory minimum requirements for OIC-EW on tankers and passenger ships under Chapter V of the STCW Code (Special Training Requirements) shall be provided in a separate circular;
- 13.2 The Administration shall not accept applications with pending, conditional or partial "PASSED" results of examination or assessment conducted by any other government agency. In such cases, the totality of the theoretical examination or the practical assessment of competence, shall be conducted under the system of MARINA;

- 13.3 The period of validity of any Certificate issued by the Administration shall be in conformance with the standards and guidance set out under the STCW, as amended.

14. TRANSITORY PROVISIONS

- 14.1 The Professional Regulation Commission (PRC) may continue to conduct assessment of competence and issue OIC-EW Licenses and COCs until December 31, 2014 only;
- 14.2 MARINA shall start accepting applications for examination from November 15, 2014, and shall commence the initial stages of implementation of the examination and assessment process henceforth;
- 14.3 MARINA shall issue OIC-EW Licenses and COCs beginning January 1, 2015.

15. REPEALING CLAUSE

All previous issuances by MARINA or any other Philippine government agency related to training and certification of OIC-EW on ships of 750 kW propulsion power or more, are hereby superseded, repealed or amended accordingly.

16. EFFECTIVITY:

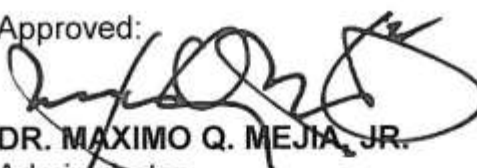
This STCW Circular shall take effect immediately on the day of its publication.

Manila, Philippines, October 29, 2014.

Submitted:


CAPT. ALVIN "TOR" TORMON
Executive Director

Approved:


DR. MAXIMO Q. MEJIA, JR.
Administrator

CERTIFICATION

This is to certify that STCW Circular No. 2014-09 was approved by the Administrator on 14 November 2014


ATTY. JABETH SENA JEPATH A. DACANAY
Deputy Executive Director

**TABLE OF SPECIFICATIONS OF THEORETICAL EXAMINATION FOR
OIC-EW ON SHIPS 750 kW propulsion power OR MORE**

	Competence	Number of Questions	Time Allocated (minutes)	Passing Mark	Passing Percentage
F1	Function: Marine engineering at the operational level				
C1	Maintain a safe engineering watch	30	30	24	80%
C2	Use English in oral and written form	5	5	4	80%
C3	Use internal communications systems	5	5	4	80%
C4	Operate main and auxiliary machinery and - associated control systems	20	20	14	70%
C5	Operate fuel, lubrication, ballast and pumping systems and other associated control systems	10	10	7	70%
	TOTAL	70	70		
F2	Electrical, electronic and control engineering				
C6	Operate electrical, electronic and control systems	30	30	21	70%
C7	Maintenance and repair of electronic and electrical equipment	20	20	14	70%
	TOTAL	50	50		
F3	Maintenance and repair at the operational level				
C8	Appropriate use of hand tools, machine tools and measuring instruments for fabrication and repair on board	10	10	7	70%
C9	Maintenance and repair of shipboard machinery and equipment	10	10	7	70%
	TOTAL	20	20		
F4	Controlling of operation of the ship and care for persons on board at the operational level				
C10	Ensure compliance with pollution-prevention requirements	10	10	7	70%
C11	Maintain seaworthiness of the ship	20	20	7	70%
C12	Prevent, control and fight fires on board	5 *	5	4	80%
C13	Operate life-saving appliances	5 *	5	4	80%
C14	Apply medical first aid on board ship	5 *	5	4	80%
C15	Monitor compliance with legislative requirements	10	10	7	70%
C16	Application of leadership and teamworking skills	5	5	4	80%
C17	Contribute to safety of personnel and ship	5 *	5	4	80%
	TOTAL	60	60		
	GRAND TOTAL	200	200		

* T & A = Training and Assessment Documentary Evidence

Notes:

- There are 17 competences in the theoretical examination for OIC-EW 500 GT and above. In addition, C12, C13, C14, and C17 (*) shall be evidenced by approved training and experience related thereto, in accordance with Section A-VI of the STCW Code.
- Each competence is examined, and shall be passed, independently.
- A candidate may choose as many competences as he intends to be examined on, upon filing the application.
- A candidate who fails 3 or more competences in one sitting may not apply for a re-sit within a 2-month period (The 3-2 Rule).
- A candidate who fails in the same competence 3 times, shall not be allowed to re-sit for that competence, until upon showing proof of approved sea service for a period of not less than 3 months, with a certification from the ship's master that the candidate has undergone on board experience relating to that particular competence (The 3-3 Rule); or approved training or refresher program relating to that particular competence;
- A candidate shall pass in all the competences with theoretical examination within a period not exceeding 2 years (24 months).
- The full theoretical exam is designed to be completed in 200 minutes in one sitting, plus any administrative delays that may be incurred in between.
- A re-sit for the same competence on the same day is NOT allowed.

**TABLE OF SPECIFICATIONS OF PRACTICAL ASSESSMENT OF COMPETENCE FOR
OIC-EW ON SHIPS 750 kW propulsion power OR MORE**

	Competence	Number of Exercises	Time Allocated (minutes)	Passing Mark	Passing Percentage
F1	Function: Marine engineering at the operational level				
C1	Maintain a safe engineering watch	1	40	32 out of 40	80%
C2	Use English in oral and written form	xxx	xxx		
C3	Use internal communications systems	1	20	16 out of 20	80%
C4	Operate main and auxiliary machinery and - associated control systems	1	30	24 out of 30	70%
C5	Operate fuel, lubrication, ballast and pumping systems and other associated control systems	1	30	24 out of 30	70%
	TOTAL	4	110		
F2	Electrical, electronic and control engineering at the operational level				
C6	Operate electrical, electronic and control systems	1	60	42 out of 60	70%
C7	Maintenance and repair of electronic and electrical equipment	xxx	xxx	14	70%
	TOTAL	1	60		
F3	Maintenance and repair at the operational level				
C8	Appropriate use of hand tools, machine tools and measuring instruments for fabrication and repair on board	xxx	xxx		
C9	Maintenance and repair of shipboard machinery and equipment	xxx	xxx		
	TOTAL	0	0		
F4	Controlling of operation of the ship and care for persons on board at the operational level				
C10	Ensure compliance with pollution-prevention requirements	xxx	xxx		
C11	Maintain seaworthiness of the ship	xxx	xxx		
C12	Prevent, control and fight fires on board	T & A	xxx		
C13	Operate life-saving appliances	T & A	xxx		
C14	Apply medical first aid on board ship	T & A	xxx		
C15	Monitor compliance with legislative requirements	xxx	xxx		
C16	Application of leadership and teamworking skills	1	30	24 out of 30	80%
C17	Contribute to safety of personnel and ship	T & A	xxx		
	TOTAL	1	30		
	GRAND TOTAL	6	200		

* T & A = Training and Assessment Documentary Evidence

Notes:

1. There are 6 competences in the practical assessment of competence for OIC-EW 750 kW PP and above.
2. Each competence shall be demonstrated, assessed, and passed, independently.
3. A candidate who fails in the same competence 3 times, shall not be allowed to re-sit for that competence, until upon showing proof of approved sea service for a period of not less than 2 months, with a certification from the ship's master that the candidate has undergone on board experience relating to that particular competence.
4. A candidate shall pass in all the competences with practical assessment within a period not exceeding 2 years (24 months).
5. The full practical assessment of competence is designed to be completed in **200 minutes in one take**, plus any administrative delays that may be incurred in between.
6. All the competences are designed to be assessed after successful completion of ERS with ERRM (IMO MC 2.07), except C6.
7. A re-sit for the same competence on the same day is allowed.