



# Marine Personnel Regulations



**NATIONAL CMAC**

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# **Marine Personnel Regulations Amendments Engineering Certification**

## **Requirements for:**

- **Engine Rating (STCW)**
- **Engineer Officer (STCW)**
- **Engineer Officer (Domestic)**
- **Engineer Officer (STCW- F)**
- **Renewal of an Engineer certificate**



# **Marine Personnel Regulations Amendments Engineering Certification**

## **Requirements for Rating**

**Guided by the STCW Manila Convention**



## *Engine-room Rating STCW Manila Regulation III/4*

- at least 6 months approved seagoing service comprised of training & experience, or 2 month of seagoing service as part of an approved ERR training program, on vessels of at least 750 kW.
- Documentary Evidence demonstrating the knowledge obtained as per Manila STCW Code Table A-III/4;
- Certificate of Proficiency (CoP) in: STCW basic safety, Survival craft & Rescue Boats other than fast rescue boats, Marine Basic First Aid.
- Competencies at the Vessel Support Level: “Marine Engineering”



## *Able Seafarer Engine*

### *STCW Manila Regulation III/5*

- Hold an Engine-room Rating certificate of proficiency
- at least 12 months of approved seagoing service, or 6 month of seagoing service as part of an approved onboard training, on vessels of at least 750 kW
- Documentary Evidence demonstrating the knowledge obtained as per Manila STCW Code Table A-III/5;
- CoP in: STCW basic safety, Survival craft & Rescue Boats other than fast rescue boats, Marine Basic First Aid.
- Competencies at the Vessel Support Level: “Marine Engineering”, “Electrical, electronic and control engineering”, “Maintenance and repair”, “Controlling the operation of the ship and care for persons on board”.



## *Electro-Technical Rating*

### *STCW Manila Regulation III/7*

- at least 12 months of approved seagoing service comprised of training & experience or, at least 3 months seagoing service while holding a certificate of qualification as a licensed electrician, carried out under the supervision of a qualified Officer on vessels of at least 750 kW.
- Documentary Evidence demonstrating the knowledge obtained as per Manila STCW Code Table A-III/7;
- CoP in: STCW basic safety, Survival craft & Rescue Boats other than fast rescue boats, Marine Basic First Aid.
- Competencies at the Vessel Support Level : “Electrical, electronic and control engineering”, “Maintenance & Repair”, “Controlling the operation of the ship and care for persons on board”.



# **Marine Personnel Regulations Amendments Engineering Certification**

## **Requirements for Engineer Officer**

### **Guided by the STCW Manila Convention**



# *Electro-technical Officers*

## *STCW Manila Regulation III/6*

### **Experience on vessels of at least 750 kW;**

- at least 36 months of approved seagoing service (credits of 6 months for a practical skills for Electro-technical Officers);
- at least 6 months of seagoing service as part of approved training program for Electro-technical Officers and documented in an approved training record book; or
- at least 6 months of approved seagoing service, while holding a certificate of qualification as a Provincial licensed electrician.





*Electro-technical Officers*  
*STCW Manila Regulation III/6*  
*(continued)*

**Certificates and Documents**

- **CoP in:**
  - STCW basic safety;
  - Survival craft & Rescue Boats other than fast rescue boats;
  - Advanced Fire Fighting;
  - Marine Advance First Aid;
  - Leadership & Teamworking Skills level 1
- **DOCUMENTARY EVIDENCE** demonstrating the knowledge obtained as per Manila STCW Code Table A-III/6 and completed within the last 5 years before the application date for issuance of the certificate.



*Electro-technical Officers*  
*STCW Manila Regulation III/6*  
*(continued)*

**Competencies at the Vessel Operational Level**

- Electrical, electronic and control engineering
- Maintenance & Repair;
- Controlling the operation of the ship and care for persons on board; and
- Knowledge of the Maritime English Language



## *Fourth-class Engineer, Motor or Steam Vessel*

### *STCW Manila Regulation III/1*

- **STCW Manila Regulation III/1**, *Officer in charge of an engineering watch on a seagoing vessel of 750 kw propulsion power or more & unlimited voyage; and*
- **STCW-F Regulation II/5**: *Second Engineer officers on fishing vessels of 750 kw propulsion power or more (Motor Vessel only).*
- **Experience on vessels of at least 750 kW;**
  - at least 36 months of approved relevant seagoing service performing engine room watchkeeping duties (credits of 6 months for a training certificate in PSME); or
  - at least 6 months of seagoing service as part of an approved Engineer officer Education & Training program.



*Fourth-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/1*  
*(continued)*

**Certificates and Documents**

- **CoP in:**
  - STCW basic safety;
  - Survival craft & Rescue Boats other than fast rescue boats;
  - Advanced Fire Fighting;
  - Marine Advance First Aid;
  - Propulsion Plant Simulator 1; and
  - Leadership and Team Working Skills 1.
- **Documentary Evidence** demonstrating the knowledge obtained as per Manila STCW Table A-III/1 and completed within the last 5 years before the application date for issuance of the certificate.



*Fourth-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/1*  
*(continued)*

**Exams at the Vessel Operational Level**

- Applied Mathematics;
- Applied Mechanics;
- Electrotechnology;
- Industrial Chemistry;
- Naval Architecture;
- Technical Drawing; and
- Thermodynamics.



*Fourth-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/1*  
*(continued)*

**Competencies at the Vessel Operational Level**

- Marine Engineering;
- Electrical, electronic and control engineering
- Maintenance & Repair;
- Controlling the operation of the ship and care for persons on board; and
- Knowledge of the Maritime English Language.



## *Third-class Engineer, Motor or Steam Vessel*

### *STCW Manila Regulation III/3*

**STCW Manila Regulation III/3, Second engineer officers on ships powered by main propulsion machinery less than 3,000 kW**

- Hold a CoC as 4<sup>th</sup> Class Engineer, Motor or Steam Vessel under Manila STCW Regulation III/1.

### **Experience on vessels of at least 750 kW;**

- At least 12 months of approved relevant seagoing service as engineer in charge of the engineering watch or in charge of machinery.



*Third-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/3*  
*(continued)*

## **Certificates and Documents**

- **CoP in:**
  - STCW basic safety;
  - Survival craft & Rescue Boats other than fast rescue boats;
  - Advanced Fire Fighting;
  - Marine Advance First Aid;
  - Propulsion Plant Simulator 2; and
  - Leadership and Team Working Skills 2.
- **Documentary Evidence** demonstrating the knowledge obtained as per Manila STCW Code Table A-III/3 and completed within the 5 years before the application date for issuance of the certificate.





*Third-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/3*  
*(continued)*

**Exams at the Vessel Management Level**

- Applied Mathematics;
- Applied Mechanics;
- Electrotechnology;
- Industrial Chemistry;
- Naval Architecture;
- Technical Drawing; and
- Thermodynamics.



*Third-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/3*  
*(continued)*

**Competencies at the Vessel Management Level**

- Marine Engineering;
- Electrical, electronic and control engineering
- Maintenance & Repair;
- Controlling the operation of the ship and care for persons on board; and
- Knowledge of the Maritime English Language.



*Endorsement Chief Engineer, Motor or Steam Vessel less than  
3,000kW,  
STCW Manila Regulation III/3*

**STCW Manila Regulation III/3**, *Chief engineer officers on ships powered by main propulsion machinery less than 3,000 kW ; and*

**STCW-F regulation II/5**: *Chief engineer officers on fishing vessels powered by main propulsion machinery of 750 kW or more (Motor vessel only).*

- Hold a Third-class Engineer, Motor or Steam Vessel certificate, Manila STCW compliant.
- at least 12 months of approved relevant seagoing service as engineer in charge of the engineering watch or in charge of machinery on vessel of at least 750 kW



## *Second-class Engineer, Motor or Steam Vessel*

### *STCW Manila Regulation III/2*

**STCW Manila Regulation III/2**, *Second engineer officers on ships powered by main propulsion machinery of 3,000 kW propulsion power or more; and*

**STCW Manila Regulation III/3**: *Chief engineer officers on ships powered by main propulsion machinery of less than 3,000 kW propulsion power.*

- While holding at the minimum a Fourth-class Engineer, Motor or Steam Vessel certificate, Manila STCW compliant.
- at least 12 months of approved relevant seagoing service on vessel of at least 750 kW as engineer in charge of the engineering watch or in charge of machinery.



*Second-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/2*  
*(continued)*

**Certificates and Documents**

- **CoP in:**
  - **STCW basic safety;**
  - **Survival craft & Rescue Boats other than fast rescue boats;**
  - **Advanced Fire Fighting;**
  - **Marine Advance First Aid;**
  - **Propulsion Plant Simulator 2; and**
  - **Leadership and Team Working Skills 2 .**
- **Documentary Evidence demonstrating the knowledge obtained as per Manila STCW Code Table A-III/2.**



*Second-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/2*  
*(continued)*

**Exams at the Vessel Management Level**

- **Applied Mechanics;**
- **Electrotechnology;**
- **Naval Architecture;**
- **Thermodynamics; and**
- **Technical Drawing**



*Second-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/2*  
*(continued)*

**Competencies at the Vessel Management Level**

- **Marine Engineering;**
- **Electrical, electronic and control engineering**
- **Maintenance & Repair;**
- **Controlling the operation of the ship and care for persons on board; and**
- **Knowledge of the Maritime English language.**



## *First-class Engineer, Motor or Steam Vessel*

### *STCW Manila Regulation III/2*

- **STCW Manila Regulation III/2, Chief engineer officers on ships powered by main propulsion machinery of 3,000 kW propulsion power or more.**
- **While holding at the minimum a 4<sup>th</sup> Class Engineer, Motor or Steam Vessel certificate under Manila STCW Regulation III/1**
- **at least 36 months of approved relevant seagoing service as engineer in charge of the engineering watch or in charge of machinery on vessels of at least 3,000 kW: or**
- **acquire at least 24 months of approved relevant seagoing service as engineer in charge of the engineering watch or in charge of machinery on vessels of at least 3,000 kW; if not less than 12 months has been served as Second engineer officers on relevant ships powered by main propulsion machinery of 3,000 kW propulsion power or more.**
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## *First-class Engineer, Motor or Steam Vessel*

### *STCW Manila Regulation III/2*

*(continued)*

### **Certificates and Documents**

- **CoP in:**
  - **STCW basic safety;**
  - **Survival craft & Rescue Boats other than fast rescue boats;**
  - **Advanced Fire Fighting;**
  - **Marine Advance First Aid;**
  - **Propulsion Plant Simulator 2; and**
  - **Leadership and Team Working Skills 2.**
- **Documentary Evidence demonstrating the knowledge obtained as per Manila STCW Code Table A-III/2.**



*First-class Engineer, Motor or Steam Vessel*  
*STCW Manila Regulation III/2*  
*(continued)*

**Exams at the Vessel Management Level**

- **Applied Mechanics;**
- **Electrotechnology;**
- **Naval Architecture;**
- **Thermodynamics; and**
- **Technical Drawing**



## *First-class Engineer, Motor or Steam Vessel*

*STCW Manila Regulation III/2*

*(continued)*

### **Competencies at the Vessel Management Level (continued)**

- **Marine Engineering;**
- **Electrical, electronic and control engineering**
- **Maintenance & Repair;**
- **Controlling the operation of the ship and care for persons on board; and**
- **Knowledge of the Maritime English language.**



# **Marine Personnel Regulations Amendments Engineering Certification**

## **Requirements for Engineer Officer Operation in Domestic Waters**



## *Small Vessel Machinery Operator, Motor or Steam Vessel Domestic*

- at least **2 months** of approved sea service as an engineer or 1 month of seagoing service as part of an approved SVMO training program.
- for renewal of an SVMO, proof of at least **10 days** of seagoing service within the last twelve months before the application date.



*Small Vessel Machinery Operator, Motor or Steam Vessel  
Domestic  
(continued)*

- **CoP in:                   Certificates and Documents**
  - **Small Passenger Vessel Safety;**
  - **Marine Basic First Aid;**
  - **for the purpose of obtaining a certificate with a Steamship capacity; a Provincial Certificate or a license as: Power engineer, Stationary Engineer, Steam Engineer, Power Systems and Power Station Operators steam engineer, or an equivalent type of certificate;**
- **DOCUMENTARY EVIDENCE demonstrating completion of an SVMO training program**



*Small Vessel Machinery Operator, Motor or Steam Vessel  
Domestic Voyage  
(continued)*

**Competencies on the Vessel Knowledge**

- **Basic Marine Engineering;**
- **Basic Electrical, electronic and control engineering**
- **Controlling the operation of the ship and care for persons on board;**



## *Small Vessel Machinery Operator certificate restricted for use on board a specified passenger-carrying vessel*

- **Vessels under 750 kW propulsive power will no longer be required to carry a certified *Small Vessel Machinery Operator* .**
- **Have a person in charge of the machinery in their minimum complement;**
- **Provide written instruction that determine the procedures for the safe operation of the machinery equipments; and**
- **Maintain an *Engine Record Book* that will include hours of operation, maintenance and manufacturer recommendation**





## *Fourth-class Engineer, Motor or Steam Vessel Domestic Voyage*

- **Experience on vessels of at least 750 kW;**
  - **at least 36 months of approved relevant seagoing service performing engine room duties, or**
  - **6 months of seagoing service as part of an approved training program in Marine Engineering.**



*Fourth-class Engineer, Motor or Steam Vessel  
Domestic Voyage  
(continued)*

**Certificates and Documents**

- **CoP in:**
  - **STCW basic safety;**
  - **Survival craft & Rescue Boats other than fast rescue boats;**
  - **Advanced Fire Fighting;**
  - **Marine Advance First Aid;**
  - **Propulsion Plan Simulator 1; and**
  - **Leadership and Team Working Skills 1,**



*Fourth-class Engineer, Motor or Steam Vessel  
Domestic Voyage  
(continued)*

**Competencies at the Vessel operation level**

- **Marine Engineering;**
- **Electrical, electronic and control engineering**
- **Maintenance & Repair;**
- **Controlling the operation of the ship and care for persons on board; and**



*Endorsement as Second Engineer, Motor or Steam Vessel up to  
2,000 kW  
Domestic Voyage*

- **While holding at the minimum a *Fourth-class Engineer, Motor or Steam Vessel - Domestic Endorsement.***
- **Experience on vessels of at least 750 kW;**
  - **At least 12 months of approved relevant seagoing service as engineer officer in charge of the engineering watch.**



*Endorsement as Second Engineer, Motor or Steam Vessel up to  
2,000 kW  
Domestic Voyage  
(continued)*

**Certificates and Documents**

- **CoP in:**
  - **Propulsion Plant Simulator 2; and**
  - **Leadership and Team Working Skills2.**



## *Endorsement Chief Engineer, Motor or Steam Vessel up to 2,000kW Domestic Voyage*

- **While holding at the minimum a *Fourth-class Engineer, Motor or Steam Vessel - Domestic Endorsement.***
- **Experience on vessels of at least 750 kW;**
  - **at least 24 months of approved relevant seagoing service as engineer in charge of the engineering watch or in charge of machinery of which not less than 12 months has been served as second Engineer.**



*Endorsement Chief Engineer, Motor or Steam Vessel up to  
2,000kW  
Domestic Voyage*

**Certificates and Documents**

- **CoP in:**
  - **Propulsion Plant Simulator 2; and**
  - **Leadership and Team Working Skills 2.**



# **Marine Personnel Regulations Amendments Engineering Certification**

## **Requirements for Engineer Officer**

### **Guided by the STCW – Fishing Convention**





## *Watchkeeping Engineer, Motor-driven Fishing*

*Not required by the STCW-F Convention: Person in charge of an engineering watch on a seagoing fishing vessel.*

- at least 12 months of qualifying seagoing service as an engineer, engine-room rating or assistant engineer, in an engine room on one or more motor vessels which the main propulsion machinery has a propulsive power of at least 125 kW; or
- at least 3 months of sea service part of an approved training program.



## *Watchkeeping Engineer, Motor-driven Fishing (continued)*

### **Certificates and Documents**

- **CoP in:**
  - STCW basic safety;
  - Survival craft & Rescue Boats other than fast rescue boats;
  - Marine Basic First Aid; and
  - Propulsion Plant Simulator 1.



## *Watchkeeping Engineer, Motor-driven Fishing (continued)*

### **Competencies at the Vessel Operational Level**

- Marine Engineering;
- Electrical, electronic and control engineering
- Maintenance & Repair; and
- Controlling the operation of the ship and care for persons on board.



## *Second Engineer, Motor-driven Fishing Vessel STCW-F Chapter II -Regulation 5*

*STCW-F Chapter II -Regulation 5: Second engineer officers on fishing vessels of 750 kW propulsion power or more.*

- at least 12 months of qualifying seagoing service as an engineer, engine-room rating or assistant engineer, in an engine room on one or more motor vessels with the main propulsion machinery having a propulsive power of at least 750 kW; or
- at least 6 months of sea service part of an approved training program as per IMO Model Course # 7.07.

*The holder of a CoC issued under STCW-Manila Convention (Regulation III/1) - 4<sup>th</sup> Class Engineer, Motor Vessel, may serve on a fishing vessel as a Second Engineer, Motor-driven Fishing Vessel*



## *Second Engineer, Motor-driven Fishing Vessel STCW-F Regulation II/5 (continued)*

### **Certificates and Documents**

- **CoP in:**
  - STCW basic safety;
  - Survival craft & Rescue Boats other than fast rescue boats;
  - Marine Basic First Aid;
  - Propulsion Plan Simulator 1; and
  - Leadership & Teamworking Skills level 1;
- **Documentary Evidence** demonstrating the knowledge obtained as per Appendix to STCW-F Regulation II/5.



*Second Engineer, Motor-driven Fishing Vessel  
STCW-F Regulation II/5  
(continued)*

**Competencies at the Vessel Operational Level**

- Marine Engineering;
- Electrical, electronic and control engineering
- Maintenance & Repair; and
- Controlling the operation of the ship and care for persons on board.



## *Chief Engineer, Motor-driven Fishing Vessel* *STCW-F Regulation II/5*

### **Requirements for a the position as *Chief Engineer, Motor-driven Fishing Vessel***

#### **Near coastal voyage, Class 2 or sheltered waters voyage:**

- The holder of an *Endorsement as Chief Engineer, Motor Vessel up to 2,000 kW - Domestic voyage*, may serve on motor-driven fishing vessel less than 2,000 kW; or
- The holder of an *Endorsement as Chief Engineer, Motor Vessel less than 3,000 kW issued under STCW Manila - Regulation III/3*, may serve on motor-driven fishing vessel of any power.



*Chief Engineer, Motor-driven Fishing Vessel*  
*STCW-F Regulation II/5*  
*(continued)*

**Requirements for a the position as *Chief Engineer, Motor-driven Fishing Vessel (continued)***

**Unlimited voyage or Near coastal voyage, Class 1**

- The holder of an *Endorsement as Chief Engineer, Motor Vessel less than 3,000 kW issued under STCW Manila Regulation III/3*, may serve on motor-driven fishing vessel of any power.





# **Marine Personnel Regulations Amendments Engineering Certification**

**Renewal of an Engineer Certificate of Competency**

**Guided by the STCW Manila Convention, STCW-F  
and National Standard and Policy**



## Renewal of an Engineer Certificate of Competency (MPR Section 107)

**With the exception of SVMO Certificate of Competency the following requirements:**

- a) Acquire relevant seagoing service as an engineer officer on one or more vessels which the main propulsion machinery has a power of at least 750 kW.
  - ✓ at least **12 months** within the last **5 years** before the application date for renewal of the certificate;
  - ✓ at least **3 months** within the last **6 months** before the application date for renewal



# Renewal of an Engineer Certificate of Competency (Continue)

## Requirements for renewal of an SVMO CoC:

- a) Acquire seagoing service as an engineer on one or more vessels
  - ✓ at least **10 days** of sea service, within the last **12 months** before the application date.



## Renewal of an Engineer Certificate of Competency (Continue)

**With the exception of SVMO Certificate of Competency the following requirements:**

- b) Hold a valid certificate of proficiency related to marine emergency duties or a continued proficiency in marine emergency duties at the level applicable to the certificate sought to be renewed, and have passed, within the 5 years before the application date for renewal:
- ✓ an examination on general engineering knowledge; and
  - ✓ a course in propulsive plant simulation at the level applicable to the certificate sought. or



# Renewal of an Engineer Certificate of Competency (Continue)

## Requirements for renewal of an SVMO CoC:

- b) Hold a valid certificate of proficiency (CoP) related to MED's or a Continued Proficiency in MED, applicable to the SVMO, and have passed, within twelve months before the application date for renewal:
  - ✓ An examination on general engineering knowledge for SVMO



## Renewal of an Engineer Certificate of Competency (Continue)

**With the exception of SVMO Certificates of Competency the following requirements:**

- c) Hold a valid certificate of proficiency related to marine emergency duties or a continued proficiency in marine emergency duties at the level applicable to the certificate sought to be renewed, and have successfully completed,
  - ✓ at any time a course in propulsive plant simulation at the level applicable to the certificate sought and
  - ✓ within the 5 years before the application date for renewal, a training course in automation, control and instrumentation, or marine power systems



# Renewal of an Engineer Certificate of Competency (Continue)

## Requirements for renewal of an SVMO CoC:

- c) Hold a valid certificate of proficiency (CoP) related to MED's or a Continued Proficiency in MED, applicable to the SVMO, have successfully completed within the five years before the application date for renewal:
  - ✓ a training program for *Small Vessel Machinery Operator*,



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