§ 12.609 Requirements to qualify for an STCW endorsement as rating forming part of an engineering watch (RFPEW).

(a) To qualify for an STCW endorsement as an RFPEW in a manned engine room or to qualify to be designated to perform duties in a periodically unmanned engine room, an applicant must—

(1) Be not less than 16 years of age;

(2) Provide evidence of service as follows:

(i) Six months of seagoing service, which includes training and experience associated with engine room functions, and involves the performance of duties carried out under the supervision of an engine officer or a qualified STCW rating; or

(ii) Proof of successful completion of a Coast Guard-approved or -accepted training, which includes not less than 2 months approved seagoing service; and

(3) Provide evidence of meeting the standard of competence as specified in Table A–III/4 of the STCW Code (incorporated by reference, see § 12.103 of this part).

(b) The Coast Guard may exempt an applicant from meeting any individual knowledge, understanding, and proficiency required in Section A–III/4 of the STCW Code. These exemptions must be approved by the Coast Guard based upon vessel type. Under these circumstances, the endorsement may include a corresponding limitation.

(c) Seafarers with the following national rating endorsements will be eligible for this endorsement upon completion of requirements designated in this section:

<table>
<thead>
<tr>
<th>Domestic QMED endorsement</th>
<th>Additional sea service for AS-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineer ..................</td>
<td>None.</td>
</tr>
<tr>
<td>Deck Engine Mechanic ......</td>
<td>None.</td>
</tr>
<tr>
<td>Electrician ................</td>
<td>6 months.</td>
</tr>
<tr>
<td>Refrigerating Engineer ....</td>
<td>6 months.</td>
</tr>
<tr>
<td>Pumpman ...................</td>
<td>6 months.</td>
</tr>
<tr>
<td>Machinist ..................</td>
<td>6 months.</td>
</tr>
</tbody>
</table>

1 Service may be reduced to 3 months if training has been completed as part of an approved training program.

§ 12.611 Requirements to qualify for an STCW endorsement as electro-technical rating (ETR) on vessels powered by main propulsion machinery of 750 kW/1,000 HP or more.

(a) To qualify for an STCW endorsement as an electro-technical rating, an applicant must—

(1) Be not less than 18 years of age;

(2) Provide evidence of—

(i) Twelve months of seagoing service, that includes training and experience associated with engine room watchkeeping functions and involves the performance of duties carried out under the supervision of an engineer officer, electro-technical officer, or a qualified STCW engine rating;

(ii) Proof of successful completion of a Coast Guard-approved or -accepted program, which includes not less than 6 months of approved seagoing service; or

(iii) Qualifications meeting the standard of competence specified in Table A–III/7 of the STCW Code (incorporated by reference, see § 12.103 of this part) and approved seagoing service of not less than 3 months;
(3) Provide evidence of meeting the standard of competence specified in Table A–III/7 of the STCW Code; and

(4) Provide evidence of completion of an approved course in—

(i) Computer systems and maintenance; and

(ii) High-voltage power systems.

(b) An applicant who holds an STCW endorsement as able seafarer-engine and a national rating endorsement as electrician, electrician/refrigerating engineer, or junior engineer will be issued the ETR endorsement upon completion of the requirements in Section A–III/7 of the STCW Code and evidence of completion of the training required in paragraph (a)(4) of this section.

(c) Seafarers with the following national rating endorsement will be eligible for this endorsement upon completion of the requirements designated in this section:

**TABLE 1 TO §12.611(c)—STCW ENDORSEMENT AS ELECTRO-TECHNICAL RATING**

<table>
<thead>
<tr>
<th>Entry path from national endorsement</th>
<th>Sea service under authority of the endorsement</th>
<th>Competence—STCW Table A–III/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrician/refrigerating engineer</td>
<td>None ........................................</td>
<td>Y</td>
</tr>
<tr>
<td>Junior engineer</td>
<td>None ........................................</td>
<td>Y</td>
</tr>
</tbody>
</table>

1 This column provides the minimum additional service required of the seafarer in order to meet the requirements of this section.

2 Complete any items in paragraph (a)(3) of this section not previously satisfied.

§12.613 Requirements to qualify for an STCW endorsement in proficiency in survival craft and rescue boats other than fast rescue boats (PSC).

(a) To qualify for an STCW endorsement in proficiency in survival craft and rescue boats other than fast rescue boats (PSC), the applicant must—

(1) Be at least 18 years of age;

(2) Meet the requirements for a lifeboatman endorsement in §12.407 of this part and Table A–VI/2–1 of the STCW Code (incorporated by reference, see §12.103 of this part); and

(3) Complete basic training (BT), found in §12.601(c) of this subpart.

(b) **Continued professional competence.**

(1) Seafarers qualified in accordance with paragraph (a) of this section must provide evidence of maintaining the standard of competence as set out in Table A–VI/2–1 of the STCW Code every 5 years.

(2) The Coast Guard will accept on-board training and experience, through evidence of 1 year of sea service within the last 5 years, as meeting the requirements of paragraph (b)(1) of this section for the following areas, as set out in Table A–VI/2–1 of the STCW Code:

(i) Taking charge of a survival craft or rescue boat during and after launch, including—

(A) Interpreting the markings on survival craft as to the number of persons they are intended to carry;

(B) Giving correct commands for launching and boarding survival craft, clearing the ship, and handling and disembarking persons from survival craft;

(C) Preparing and safely launch survival craft, operating its engine, and clearing the ship’s side quickly; and

(D) Safely recovering survival craft and rescue boats.

(ii) Operating a survival craft engine, including—

(A) Rowing and steering a boat and steer by compass;

(B) Using individual items of equipment of survival craft, except for pyrotechnics; and

(C) Rigging devices to aid location.

(iii) Using locating devices, including communication and signaling apparatus, including—

(A) Using of portable radio equipment for survival craft.

(B) [Reserved]

(iv) Applying first aid to survivors.

(3) The Coast Guard will only accept evidence of assessments conducted ashore as meeting the requirements of paragraph (b)(1) of this section for the areas not included in paragraph (b)(2) of this section, as set out in Table A–VI/2–1 of the STCW Code.

(4) Applicants who cannot meet the requirement for 1 year of sea service within the last 5 years, as described in paragraph (b)(2) of this section, will be required to meet the requirements of paragraph (a) of this section or complete approved or accepted refresher training.

(c) Seafarers holding an MMD or MMC endorsement as lifeboatman before January 1, 2017 will be eligible for