### General Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must be a U.S. Citizenship.</td>
<td>10.221</td>
</tr>
<tr>
<td>Must be at least age 18.</td>
<td>12.611</td>
</tr>
</tbody>
</table>

**Medical Certificate Requirements:**
- Original - Must hold a valid Medical Certificate or **be approved** for Medical Certificate.
- Renewal, ROG, New Endorsement - Must hold an unexpired Medical Certificate or submit a Medical Certificate application.

<table>
<thead>
<tr>
<th>Requirement</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Must hold or qualify for a national endorsement as QMED or Wiper</td>
<td>10.232 NVIC 24-14</td>
</tr>
</tbody>
</table>

### Sea Service Requirements

<table>
<thead>
<tr>
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<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Option 1:</strong> 360 days of seagoing service that includes training and experience associated with engine-room watch-keeping 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, <strong>OR:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Option 2:</strong> Proof of successful completion of a Coast-Guard approved or accepted program, which includes not less than 180 days of approved seagoing service, <strong>OR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Option 3:</strong> Hold STCW as Able Seafarer Engine and a national endorsement as Electrician, Electrician/Refrigerating Engineer, or Junior Engineer will qualify for ETR upon completion of Standard of Competence specified in Table A-III/7 of the STCW Code</td>
<td></td>
</tr>
</tbody>
</table>

### Assessments

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Provide evidence of meeting the Standard of Competence specified in Table A-III/7 of the STCW Code. (Unless included in approved program)</td>
<td>12.611 NVIC 24-14</td>
</tr>
</tbody>
</table>

### Approved Training

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-voltage Power Systems</td>
<td>12.611</td>
</tr>
<tr>
<td>Valid Basic Training</td>
<td>12.602</td>
</tr>
</tbody>
</table>

**Note:** Seagoing service is considered to be service on board a vessel that is relevant to qualification for ETR. The Coast Guard will accept service in the engine department of ocean, near-coastal, Great Lakes, or inland vessels of at least 750 kW/1,000 HP as being relevant to ETR. Mariners may also acquire service on vessels of less than 750 kW/1,000 HP by providing evidence that their service included duties relevant to the ETR endorsement.

**Comments:**