

**STCW ELECTRO-TECHNICAL OFFICER  
750kW-1,000 HP OR MORE OPERATIONAL LEVEL § 11.335**

NAME: \_\_\_\_\_ REFERENCE #: \_\_\_\_\_ DATE: \_\_\_\_\_

<b>General Requirements</b>	<b>Reference: 46 CFR</b>	✓
Must have US Citizenship.	10.221(a)(1)	
Medical Certificate Requirements: <ul style="list-style-type: none"> <li>• Original - Must hold or <b>be approved</b> for Medical Certificate.</li> <li>• Renewal - Must hold or <b>have application</b> for Medical Certificate.</li> <li>• ROG, New Endorsement or Modification - No requirement until March 2019 as it is considered embedded in the MMC. If combining with a renewal transition, follow requirements for renewal above</li> </ul>		
Must be at least age 18.	10.211 / 10.214	
An applicant who does not hold any other national or STCW endorsement may be issued the electro-technical officer endorsement without any corresponding national endorsement or other STCW capacity. (No fees unless Entry Level MMC Issued)	10.232	
<b>Sea Service Requirements</b>	<b>46 CFR</b>	
<b>Option 1</b> Evidence of 1080 days (36 months) combined workshop skills training** & approved seagoing service,** of which: not less than 900 days (30 months) must be seagoing service in the engine department of vessels. Experience in the deck may be creditable for up to 90 days (3 months) of the service requirements, <b>OR</b>  <b>Option 2:</b> Completion of an approved training program, which includes a combination of workshop skill training and seagoing service *** of not less than 360 days (12 months), and which meets the requirements of Section A-III/6 of the STCW Code.	11.335(a)(1)  NVIC 23-14	
<b>Assessments</b>	<b>46 CFR</b>	
Provide evidence of meeting the standard of competence specified in Section A-III/6 of the STCW Code	11.335 NVIC 23-14	
<b>Approved Training</b>		
<ul style="list-style-type: none"> <li>➤ <b>Required for all Qualifying under Option 1</b></li> <li>➤ <b>Check Program Approval if Qualifying under Option 2 as may be included in the program.</b></li> </ul>		
Onboard Computer Networking and Security	11.335	
Radio Electronics	11.335	
Integrated Navigation Equipment	11.335	
Ship Propulsion and Auxiliary Machinery	11.335	
Instrumentation and Control Systems	11.335	
High –voltage Power Systems	11.335	
Medical First-Aid Provider (unless previously completed)	11.335	
Proficiency in Survival Craft (unless previously completed)	11.335	
Basic and Advanced Fire Fighting Course within 5 years of application date (Advanced Fire must show continuing Competencies if not within 5 years)	11.335	
Current Basic Training	11.302	

<b>Option 3</b>		
<p>1. Any applicant who has served in a <b>relevant capacity</b> onboard a vessel for a period of not less than <b>360 days</b> within the last 60 months (5 years), no additional sea service is required. A relevant capacity may be any position including QMED or Wiper as long as in the engine department on vessels of at least 750 Kw/1,000 HP. Service may be on any waters. (Service on vessels less than 750 kW/1,000 HP may be considered, must be reviewed by supervisor to ensure it includes duties relevant to the ETO endorsement)</p> <p><b>Must</b> document experience IAW 10.232(a) by service letters or other official documents from marine companies signed by the owner, operator, master, or chief engineer of the vessel in the following subjects:</p> <ol style="list-style-type: none"> <li>a. Onboard Computer Networking and Security;</li> <li>b. Radio Electronics;</li> <li>c. Integrated Navigation Equipment;</li> <li>d. Ship Propulsion and Auxiliary Machinery;</li> <li>e. Instrumentation and Control Systems; and</li> <li>f. High-Voltage Power Systems.</li> </ol> <p><b>Must</b> provide evidence of meeting the standard of competence specified in Section A-III/6 of the STCW Code</p> <p><b>Must</b> provide:</p> <ol style="list-style-type: none"> <li>1. Basic and Advanced Fire Fighting (within 5 years unless previously completed)</li> <li>2. Hold or Qualify for Medical First-Aid Provider</li> <li>3. Hold or Qualify for Proficiency in Survival Craft (Unlimited or Limited)</li> <li>4. Current Basic Training</li> </ol>	<p>11.335</p> <p>NVIC 23-14</p>	
<b>Option 4</b>		
<ol style="list-style-type: none"> <li>1. Any person who holds an STCW endorsement as OICEW, Second Engineer Officer, or Chief Engineer Officer has met this sea service requirement, no additional sea service required, AND,</li> <li>2. <b>Must</b> provide evidence of meeting the standard of competence specified in Section A-III/6 of the STCW Code, AND,</li> <li>3. <b>Must</b> provide <ol style="list-style-type: none"> <li>a. Basic and Advanced Fire Fighting (within 5 years unless previously completed)</li> <li>b. Hold or Qualify for Medical First-Aid Provider</li> <li>c. Hold or Qualify for Proficiency in Survival Craft (Unlimited or Limited)</li> <li>d. Current Basic Training</li> </ol> </li> </ol>		

**Notes:**

\*\* The total days of workshop skills training should not exceed 180 days. Workshop skills training may include, but is not limited to, shore-based laboratories, in-port watchkeeping and/or maintenance, engine room simulator and/or internships in an appropriate field of study (shipyards, power generating station, or facilities where mechanical and electrical systems have to be operated, maintained, and managed).

**Comments:**

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