

DISCUSSION OF QUALIFICATION REQUIREMENTS FOR ELECTRO-TECHNICAL RATING ON VESSELS POWERED BY MAIN PROPULSION MACHINERY OF 750 kW/1,000 HP OR MORE

1. GENERAL. This enclosure provides guidance to qualify for an International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978, as amended (STCW) endorsement as Electro-Technical Rating on Vessels Powered by Main Propulsion Machinery of 750 kW/1,000 HP or More (ETR) in accordance with Section A-III/7 of the STCW Code and 46 Code of Federal Regulations (CFR) 12.611.
2. SEA SERVICE, TRAINING, AND DEMONSTRATIONS.
 - a. In accordance with 46 CFR 12.611(a), a candidate for an endorsement as ETR must:
 - 1) Provide evidence of either:
 - i) Not less than 12 months of seagoing service that includes training and experience associated with engineroom 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; or
 - ii) Completion of a Coast Guard approved or accepted program that includes not less than 6 months of approved seagoing service.
 - 2) Meet the standard of competence specified in Table A-III/7 of the STCW Code. This may be done by completing the assessment in Enclosure (2) or an approved alternative; and
 - 3) Satisfactorily complete approved courses in:
 - i) Computer Systems and Maintenance; and
 - ii) High-Voltage Power Systems.
 - b. For purposes of qualifying for Electro-Technical Rating, 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.
 - c. A mariner who holds an STCW endorsement as Able Seafarer-Engine and a national rating endorsement as Electrician, Electrician/Refrigerating Engineer, or Junior Engineer will qualify for an ETR endorsement upon completion of the requirements in Section A-III/7 of the STCW Code and evidence of completion of the approved courses specified in paragraph 2(a)(3) of this enclosure.
 - d. To qualify for an STCW endorsement as ETR, mariners must provide evidence of meeting the standard of competence for Basic Training (46 CFR 12.602).

3. ASSESSMENTS. As noted above, mariners must provide evidence of meeting the standard of competence specified in Table A-III/7 of the STCW Code by completion of the assessments in Enclosure (2), or an approved equivalent alternative. Applicants may document their assessment using Enclosure (3) or they may provide the information in any other format that shows equivalent information.

4. RENEWAL OF ENDORSEMENT. In order to renew an endorsement as ETR, an applicant must have currently valid basic training and meet the general requirements for renewal of a merchant mariner credential found in 46 CFR 10.227.