

Record of Assessment

for

Electro-Technical Rating on Vessels Powered by
Main Propulsion Machinery of 750 kW / 1,000 HP
Propulsion Power or More

Print Name of Candidate

Candidate's Signature

Mariner Reference No.

RECORD OF ASSESSMENT**Electro-Technical Rating on Vessels Powered by Main Propulsion Machinery of 750 kW/1,000 HP Propulsion Power or More**

NOTE TO QUALIFIED ASSESSOR(S): In performing your function as a qualified assessor, you may use your initials to indicate that you have personally witnessed the demonstration of skill or ability by the person being assessed. The Assessment Guidelines in Enclosure (2) will provide satisfactory evidence of meeting the standard of competence specified in Section A-III/7 of the STCW Code. The use of these Assessment Guidelines is not mandatory and alternative means of having achieved the standards of competence in the STCW Code will be considered as described in paragraph 5 of this NVIC. In accordance with 46 CFR 12.601(b)(1)(i), alternative Assessment Guidelines must be approved by the National Maritime Center before use.

STCW Competence	Knowledge, Understanding, and Proficiency	Task No.	Task	Assessor's Initials	Date
Safe use of electrical equipment	Safe use and operation of electrical equipment, including: safety precautions before commencing work or repair; isolation procedures; and different voltages on board	1.1.A	Safety procedures for the operation of electrical equipment		
	Safe use and operation of electrical equipment, including emergency procedures Knowledge of the causes of electric shock and precautions to be observed to prevent shock	1.1.B	Electrical shock hazards		
Contribute to monitoring the operation of electrical systems and machinery	Basic knowledge of the operation of mechanical engineering systems	2.1.A	Operation and monitoring of main propulsion systems and machinery		
		2.2.A	Operation and monitoring of auxiliary equipment and systems		
		2.2.B	Operation and monitoring of steering gear equipment and systems		
		2.2.C	Operation and monitoring of cargo handling systems		
		2.2.D	Operation and monitoring of deck systems and equipment		
		2.2.E	Operation and monitoring of vessel hotel systems		
		2.2.F	Operation and monitoring of bridge navigation systems and equipment		

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STCW Competence	Knowledge, Understanding, and Proficiency	Task No.	Task	Assessor's Initials	Date
Use hand tools, electrical and electronic measurement equipment for fault finding, maintenance and repair operation	Safety requirements for working on shipboard electrical systems Application of safe working practices Basic knowledge of construction and operational characteristics of shipboard AC and DC systems and equipment; and use of measuring instruments, machine tools, and hand and power tools	3.1.A	Use of hand tools and electronic measurement equipment		
Contribute to shipboard maintenance and repair	Ability to use lubrication and cleaning materials and equipment Knowledge of safe disposal of waste materials Ability to understand and execute routine maintenance and repair procedures Understanding manufacturer's safety guidelines and shipboard instructions	4.1.A	Shipboard maintenance and repair		
Contribute to the maintenance and repair of electrical systems and machinery on board	Basic knowledge of electro-technical drawings and safe isolation of equipment Test, detect faults and maintain and restore electrical control equipment Equipment operating in flammable areas Basics of ship's fire detection system Safe maintenance and repair procedures Detection of machinery malfunction Maintenance and repair of lighting fixtures and supply systems	5.1.A	System and machinery malfunctions		
		5.1.B	Repair of electrical equipment		
Contribute to the handling of stores	Knowledge of procedures for safe handling, stowage and securing of stores	6.1.A	Loading of stores <i>This assessment is satisfied if the candidate has completed assessment no. 8.1.A for Able Seafarer-Engine.</i>		

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STCW Competence	Knowledge, Understanding, and Proficiency	Task No.	Task	Assessor's Initials	Date
Apply precautions and contribute to the prevention of pollution of the marine environment	Knowledge of the precautions to be taken to prevent pollution of the marine environment	7.1.A	Sources of operational pollution <i>This assessment is satisfied if the candidate has completed assessment no. 9.1.A for Able Seafarer-Engine.</i>		
	Knowledge of the precautions to be taken to prevent pollution of the marine environment	7.1.B	Pollution prevention <i>This assessment is satisfied if the candidate has completed assessment no. 9.1.B for Able Seafarer-Engine.</i>		
	Knowledge of use and operation of anti-pollution equipment/agents	7.2.A	Use of anti-pollution equipment <i>This assessment is satisfied if the candidate has completed assessment no. 9.2.A for Able Seafarer-Engine.</i>		
	Knowledge of approved methods for disposal of marine pollutants	7.3.A	Waste disposal <i>This assessment is satisfied if the candidate has completed assessment no. 9.3.A for Able Seafarer-Engine.</i>		
Apply occupational health and safety procedures	Working knowledge of safe working practices and personal shipboard safety including electrical safety	8.1.A	Electrical safety procedures <i>This assessment is satisfied if the candidate has completed assessment no.10.1.A for Able Seafarer-Engine.</i>		
	Working knowledge of safe working practices and personal shipboard safety including lockout/tagout procedures	8.2.A	Lock Out / Tag Out procedures <i>This assessment is satisfied if the candidate has completed assessment no.10.2.A for Able Seafarer-Engine.</i>		
	Working knowledge of safe working practices and personal shipboard safety including mechanical safety	8.3.A	Mechanical safety <i>This assessment is satisfied if the candidate has completed assessment no.10.3.A for Able Seafarer-Engine.</i>		
	Working knowledge of safe working practices and personal shipboard safety including permit to work systems	8.4.A	Permit to work systems <i>This assessment is satisfied if the candidate has completed assessment no.10.4.A for Able Seafarer-Engine.</i>		
	Working knowledge of safe working practices and personal shipboard safety including working aloft	8.5.A	Safe working practices for working aloft <i>This assessment is satisfied if the candidate has completed assessment no.10.5.A for Able Seafarer-Engine.</i>		

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Qualified Assessors (QAs) witnessing the successful demonstrations noted in this record should provide the information below relative to their service with the candidate. Prospective QAs should have at least 1 year of experience as Officer in Charge of an Engineering Watch (OICEW) or an Electro-Technical Officer on seagoing vessels of at least 750 kW (1,000 HP). For assessments signed on a military vessel, the assessor should be authorized to conduct similar assessments for the U.S. Navy or U.S. Coast Guard Personnel Qualification Standard (PQS) for underway officer of the engineering watch (EOOW). Military assessors should only conduct assessments that are within their personal experience and are relevant to the vessel on which they are conducted. After December 31, 2019, QAs must be approved by the National Maritime Center (46 CFR 10.107). Qualified military personnel will not need to be approved as QAs and may continue to sign assessments on military vessels after December 31, 2019.

Vessel Name and Propulsion Mode	Engine Power (HP or kW)	Dates of Service		Name of Assessor	Signature of Assessor	Sample Assessor Initials	Assessor's Mariner Reference No.	Assessor's Shipboard Position
		From	To					
M/V Eichorn (Motor)	9,876 HP	4/12/2018	8/8/2018	David Cuecas	<i>David Cuecas</i>	<i>DC</i>	1234567	Chief Engineer

 Print Name of Candidate
 CH-1

 Candidate's Mariner Reference No.