

Record of Assessment

for

RATING FORMING PART OF AN ENGINEERING WATCH

For: _____
Candidate's Name

Candidate's Signature

Mariner Reference No.

RECORD OF ASSESSMENT
Rating Forming Part of an Engineering Watch

NOTE TO QUALIFIED ASSESSOR(S): In performing your function as a qualified assessor, you may use your initials below 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/4 of the STCW Code. The use of these Assessment Guidelines is not mandatory and an alternative means of having achieved the standards of competence in the STCW Code will be considered as discussed in paragraph 6 of this NVIC.

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task	Assessor's Initials	Date
Carry out a watch routine appropriate to the duties of a rating forming part of an engine-room watch	Engine-room watchkeeping procedures	1.1.A	Engine Room Round		
		1.1.B(S) <i>Note 1</i>	Monitor electricity generating plant (Steam)		
		1.1.B(M) <i>Note 5</i>	Monitor electricity generating plant (Motor)		
		1.1.B(S) <i>Note 4</i>	Monitor electricity generating plant (Gas Turbine)		
		1.1.C	Monitor LO/FO purification systems		
		1.1.D	Monitor compressed air plant		
		1.1.E	Monitor refrigeration and air-conditioning plants		
		1.1F	Determine tank and pressure-vessel levels		
		1.1.G	Charge a "waterlogged" potable water pressure tank w. compressed air		

Notes:

- Note 1* Not performing this task will limit the endorsement to motor and/or gas-turbine propelled vessels only.
- Note 2* Not performing this task will limit an endorsement for motor and/or gas-turbine propulsion to vessels without distilling plants.
- Note 3* Not performing this task will limit the endorsement to motor and/or gas-turbine propelled vessels without waste-heat or auxiliary boilers.
- Note 4* Not performing this task will limit the endorsement to diesel-engine propelled motor vessels or steam vessels.
- Note 5* Not performing this task will limit the endorsement to gas-turbine propelled and/or steam vessels.
- Note 6* This task is not required for steam propulsion and no limitation will be placed on the steam vessel endorsement if this task is not completed.

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task	Assessor's Initials	Date
Carry out a watch routine appropriate to the duties of a rating forming part of an engine-room watch	Engine-room watchkeeping procedures	1.1.H(S) <i>Note 1</i>	Monitor steam distilling plant		
		1.1.H(M) <i>Notes 2,6</i>	Monitor jacket water evaporator		
		1.1.H(M/G) <i>Notes 2,6</i>	Monitor reverse osmosis plant [Optional substitute for Task No. 1.1.H]		
		1.1.I(S) <i>Note 1</i>	Monitor main steam turbine propulsion unit		
		1.1.I(M) <i>Note 5</i>	Monitor main diesel engine propulsion unit		
		1.1.I(M) <i>Note 4</i>	Monitor main gas turbine propulsion unit		
		1.1.J	Monitor propulsion shafting and bearings		
		1.1.K	Monitor steering gear		
	Safe working practices as related to engine room operations	1.2.A	Add clean oil to engine and deck machinery		
		1.2.B	Lubricate a grease-lubricated bearing		
		1.2.C	Shift and clean a basket-type duplex strainer		
		1.2.D	Clean LO/FO purifier		
		1.2.E	Take up on a gate/globe valve stuffing-box gland		
		1.2.F	Take on fresh water		
	Basic environmental protection procedures	1.3.A	Pump out bilges		
		1.3.B	Monitor oily-water separators		
		1.3.C	Monitor sewage treatment plants		

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task	Assessor's Initials	Date
Understand orders and be understood in matters relevant to watchkeeping duties	Terms used in machinery spaces and names of machinery and equipment	2.1.A	Relieve the watch		
		2.1.B	Hand over the watch		
		2.1.C	Assist in pre-start check of a diesel engine		
	Use of appropriate internal communication systems	2.2.A	Operate internal communications systems		
		2.2.B	Log engine-order telegraph signals		
	Engine-room alarm systems and ability to distinguish between alarms	2.3.A	Respond appropriately to alarms		
For keeping a safe boiler watch: Maintain the correct water levels and steam pressures	Safe operation of boilers	3.1.A <i>Note 1</i>	Maintain main boiler water level and steam pressures		
		3.1.B <i>Note 3</i>	Maintain auxiliary boiler water level and steam pressures		
		3.1.C <i>Note 1</i>	Monitor the main propulsion boiler		
		3.1.D <i>Note 3</i>	Monitor the auxiliary boiler		
		3.1.D1 <i>Note 1</i>	Change out burners for a main-propulsion boiler		
		3.1.E <i>Note 1</i>	Clean a burner atomizer assembly		
		3.1.F <i>Note 1</i>	Assist preparing a main-propulsion boiler for light-off		
		3.1.G <i>Note 1</i>	Assist in manual light-off, raising steam and cutting-in online a main-propulsion boiler		
		3.1.H <i>Note 1</i>	Assist in maintaining the fires on a main-propulsion boiler during maneuvering		
		3.1.I <i>Note 1</i>	Assist in the operation of the soot blower		

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task	Assessor's Initials	Date
Operate emergency equipment and apply emergency procedures	Escape routes from machinery spaces	4.1.A	Locate all engine-room escape routes		
	Familiarity with the location and use of fire-fighting equipment in machinery spaces	4.2.A	Locate fire-fighting and emergency equipment		
		4.2.B	Put a main or emergency fire-pump in service		

ASSESSOR AND VESSEL INFORMATION

Qualified Assessors witnessing the successful demonstrations noted in this record should provide the information below relative to their service with the candidate, including their Mariner Reference Number.

Vessel Name & Propulsion Mode	Propulsion Power (HP or kW)	Dates of Service		Assessor Name	Assessor Signature	Sample Initials of Assessor	Assessor's Mariner Reference No.	Assessor's Shipboard Position
		From	To					
M/V Underbrook (Motor)	8,892 HP	7/7/2017	11/14/2017	Michael Scurius	<i>Michael Scurius</i>	<i>MS</i>	1234567	Chief Engineer