

# 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 (Navy Training References)	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 (BECC)		
		1.1.B(S) <i>Note 1</i>	Monitor electricity generating plant (Steam) (BECC)		
		1.1.B(M) <i>Note 5</i>	Monitor electricity generating plant (Motor) (BECC)		
		1.1.B(S) <i>Note 4</i>	Monitor electricity generating plant (Gas Turbine) (BECC)		
		1.1.C	Monitor LO/FO purification systems (43701 244, 204, 227)		
		1.1.D	Monitor compressed air plant (43701 327.2.3, 43701 327.2.4)		
		1.1.E	Monitor refrigeration and air-conditioning plants (43701 327.2.24, 43701 327.2.25)		
		1.1.F	Determine tank and pressure-vessel levels (43701 310.2.15)		
		1.1.G	Charge a "waterlogged" potable water pressure tank w. compressed air (43701 324.2.1.3)		

**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 (Navy Training References)	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 (43701 245, 43701 330.2.2)		
		1.1.H(M) <i>Notes 2,6</i>	Monitor jacket water evaporator (43701 245, 43701 330.2.2)		
		1.1.H(M/G) <i>Notes 2,6</i>	Monitor reverse osmosis plant [Optional substitute for Task No. 1.1.H] (43701 242, 43701 310.1.1)		
		1.1.I(S) <i>Note 1</i>	Monitor main steam turbine propulsion unit (43701 311.1.2)		
		1.1.I(M) <i>Note 5</i>	Monitor main diesel engine propulsion unit (43701 259)		
		1.1.I(M) <i>Note 4</i>	Monitor main gas turbine propulsion unit (43701 259)		
		1.1.J	Monitor propulsion shafting and bearings (43701 230, 43701 350.5.19)		
		1.1.K	Monitor steering gear (43701 236, 43701 304.2.1)		
	Safe working practices as related to engine room operations	1.2.A	Add clean oil to engine and deck machinery (43701 315.1.1)		
		1.2.B	Lubricate a grease-lubricated bearing (PMS)		
		1.2.C	Shift and clean a basket-type duplex strainer (43701 313.2.13)		
		1.2.D	Clean LO/FO purifier (43701 336.2.11)		
		1.2.E	Take up on a gate/globe valve stuffing-box gland (BECC)		
		1.2.F	Take on fresh water (43701 231, 43701 310.2.2)		
	Basic environmental protection procedures	1.3.A	Pump out bilges (43701 202, 43701 310.5.7)		
		1.3.B	Monitor oily-water separators (43701 241, 43701 310.2.11)		
		1.3.C	Monitor sewage treatment plants (43702 394.2.25)		

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task (Navy Training References)	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 (BECC)			
		2.1.B	Hand over the watch (BECC)			
		2.1.C	Assist in pre-start check of a diesel engine (43701 337.1.1, 43701 332.2.6)			
	Use of appropriate internal communication systems	2.2.A	Operate internal communications systems	All sections of 43701 or 43702 require of the use of communication devices. or DC 43119 301.2.6		
		2.2.B	Log engine-order telegraph signals (BECC)			
	Engine-room alarm systems and ability to distinguish between alarms	2.3.A	Respond appropriately to alarms (BECC)			
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 (43701 312.2.5)			
		3.1.B <i>Note 3</i>	Maintain auxiliary boiler water level and steam pressures (43701 312.2.5)			
		3.1.C <i>Note 1</i>	Monitor the main propulsion boiler (43701 312.2.13)			
		3.1.D <i>Note 3</i>	Monitor the auxiliary boiler (43701 333.2.12)			
		3.1.D1 <i>Note 1</i>	Change out burners for a main-propulsion boiler (43702-A 309.2.26)			
		3.1.E <i>Note 1</i>	Clean a burner atomizer assembly (43701 312.2.1)			
		3.1.F <i>Note 1</i>	Assist preparing a main-propulsion boiler for light-off (43701 312.2.5)			
		3.1.G <i>Note 1</i>	Assist in manual light-off, raising steam and cutting-in online a main-propulsion boiler (43701 312.2.5)			
		3.1.H <i>Note 1</i>	Assist in maintaining the fires on a main-propulsion boiler during maneuvering (43701 312.2.5)			
		3.1.I <i>Note 1</i>	Assist in the operation of the soot blower (43701 312.2.8)			

STCW Competence	Knowledge, Understanding and Proficiency	Task Number	Task (Navy Training References)	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 (BECC)		
	Familiarity with the location and use of fire-fighting equipment in machinery spaces	4.2.A	Locate fire-fighting and emergency equipment (BECC)		
		4.2.B	Put a main or emergency fire-pump in service (BECC)		

### 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