



**DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MERCHANT SHIPPING SECRETARIAT**

Ministry of Ports & Civil Aviation

No.79, Technical Junction, Maradana Road, Colombo 10, Sri Lanka

Telephone: +94(0)112435127, Fax: +94-(0) 112430277, E-mail: dmsmos@sltnet.lk

01. Watchkeeping and mooring operations (Total number of hours – 10.5 Hrs)

Theory - 08.0 Hrs

Practical - 02.5 Hrs

REF No.	COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)		STCW REF
			Theory	Practical	
1.1	Contribute to a safe navigational watch	1.1.1 Ability to understand orders and to communicate with the officer of the watch on matters relevant to watch keeping duties		1.0	135
		1.1.2 Procedures for the relief, maintenance and handover of a watch		0.5	135
		1.1.3 Information required to maintain a safe watch		1.0	135
		1.1.4 Local & International Regs on Work & Rest Hours	0.5		N/A
		1.1.5 Basic introduction to Stress & fatigue	0.5		N/A
1.2	Contribute to berthing, anchoring and other mooring operations	1.2.1 Working knowledge of then mooring system and related procedures, including:			135
		1.2.1.1 The function of mooring and tug lines and how each line functions as part of an overall system	1.5		
		1.2.1.2 the capacities, safe working loads, and breaking strengths of mooring equipment, including mooring wires, synthetic and fibre lines, winches, anchor windlasses, capstans, bitts, chocks and bollards	1.5		
		1.2.1.3 the procedures and order of events for making fast and letting go mooring and tug lines and wires, including towing lines	1.5		
		1.2.1.4 Safe mooring & unmooring practices including snap back zones	0.5		
		1.2.1.5 the procedures and order of events for the use of anchors in various	1.5		



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		operations			
		1.2.2 Working knowledge of the procedures and order of events associated with mooring to a buoy or buoys	0.5		135

02. Cargo work (Total number of hours – 10.5 Hrs)

Theory - 10.5 Hrs

Practical - 0.0

<i>REF. NO.</i>	<i>COMPETENCE</i>	<i>KNOWLEDGE, UNDERSTANDING & PROFICIENCY</i>	<i>TIME ALLOCATION (HRS) Theory</i>	<i>STCW REF</i>
2.1	Contribute to the handling of cargo and stores	2.1.1 Knowledge of procedures for safe handling, stowage and securing of cargoes and stores, including dangerous, hazardous and harmful substances and liquids		136
		2.1.1.1 Refrigerated Cargo	1.0	
		2.1.1.2 Heavy lifts	1.0	
		2.1.1.3 Solid bulk cargoes	1.0	
		2.1.1.4 Vehicle cargoes	1.0	
		2.1.1.5 Oil cargoes in bulk	1.0	
		2.1.1.6 Chemical cargoes in bulk	1.0	
		2.1.1.7 Liquefied gas cargoes in bulk	1.0	
		2.1.2 Basic knowledge of ship's stability & stresses	1.0	N/A
		2.1.3 Cargo Securing Manual & Content	0.5	N/A
		2.1.4 Basic knowledge of and precautions to observe in connection with particular types of cargo and identification of IMDG labeling	2.0	136
		2.1.4.1 Identification of IMDG labeling		
		2.1.4.2 Safety Precautions & Emergency Procedures		



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03. Operational safety (Total number of hours – 39.0 Hrs)

Theory -18.5 Hrs

Practical -20.5 Hrs

REF. No.	COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)		STCW REF	
			Theory (hrs)	Practical (hrs)		
3.1	Contribute to the safe operation of deck equipment and machinery	3.1.1 Knowledge of deck equipment, including: <ul style="list-style-type: none"> 3.1.1.1 function and uses of valves and pumps, hoists, cranes, booms, and related equipment 3.1.1.2 ability to use and understand basic signals for the operation of equipment, including winches, windlasses, cranes, and hoists 3.1.1.3 ability to operate anchoring equipment under various conditions, such as anchoring, weighing anchor, securing for sea, and in emergencies 	6.0	0.5 1.0	137	
		3.2.1 Knowledge of the following procedures and ability to: <ul style="list-style-type: none"> 3.2.1.1 rig and unrig bosun's chairs and staging 3.2.1.2 rig and unrig pilot ladders, hoists, rat-guards and gangways 3.2.1.3 use marlin spike seamanship skills, including the proper use of knots, splices and stoppers 		1.5 1.5 9.0		137
		3.2.2 Use and handling of deck and cargo-handling gear and equipment: <ul style="list-style-type: none"> 3.2.2.1 access arrangements, hatches and hatch covers, ramps, side/bow/stern doors or elevators 3.2.2.2 pipe line systems – bilge and ballast suction and wells 3.2.2.3 cranes, derricks and winches 		1.0 1.0 1.0		



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		3.2.3 Describe the procedure of hoisting and dipping flags and state the meaning of main single-flag signals. (A, B, G, H, O, P, Q)		0.5	138
	Apply occupational health and safety precautions	3.2.1 Working knowledge of safe working practices and personal shipboard safety including: 3.2.1.1 working aloft & working over the ship's sides 3.2.1.2 working in enclosed spaces 3.2.1.3 permit to work systems 3.2.1.4 line handling 3.2.1.5 lifting techniques and methods of preventing back injury 3.2.1.6 electrical safety 3.2.1.7 mechanical safety 3.2.1.8 chemical and biohazard safety		0.5 0.5 0.5 0.5 0.5 0.5	138
3.3	Contribute to safe operations in various weather conditions	3.3.1 Heavy weather precautions 3.3.2 Cold weather precautions 3.3.3 Precautions during high temperatures		0.5 0.5 0.5	N/A
3.4	Apply precautions and contribute to the prevention of	3.4.1 Basic knowledge of International Regulations for prevent Marine Pollutions 3.4.1.1 Basic Knowledge of SOPEP & SMPEP		1.0	138
		3.4.2 Knowledge of the use and operation of anti-pollution equipment		1.5	138

