



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

CORE SYLLABUS

REF No.	COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
1.	<i>PLAN AND CONDUCT A PASSAGE AND DETERMINE POSITION</i>	1.1 Ability to use celestial bodies to determine the ship's position	2.0	Table A-II/1 Page 99
		1.2 Ability to determine the ship's position by use of: .1 Landmarks .2 aids to navigation, including lighthouses, beacons and buoys 3. dead reckoning, taking into account winds, tides, currents and estimated speed	8.0	
		1.3 Thorough knowledge of and ability to use nautical charts, and publications, such as sailing directions, tide tables, notices to mariners, radio navigational warnings and ship's routing information	3.0	
		1.4 Ability to determine errors of the magnetic and gyro-compasses, using celestial and terrestrial means, and to allow for such errors	2.0	
		1.5 Knowledge of bridge equipment	1.0	
		1.6 Ability to use and interpret information obtained from ship borne meteorological instruments	1.5	
		1.7 Ability to apply the meteorological information available	0.5	
2.	<i>MAINTAIN A SAFE NAVIGATION WATCH</i>	2.1 Thorough knowledge of the contents, application and intent of the International Regulations for Preventing Collisions at Sea, 1972, as amended	1.0	Table A-II/1 Page 101



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		2.2 Thorough knowledge of IALA buoyage system	0.5	
		2.3 Knowledge of blind pilotage techniques	0.5	
3.	RESPOND TO EMERGENCIES	3.1 Initial action to be taken following a collision or a grounding; initial damage assessment and control	1.5	Table A-II/1 Page 105
		3.2 Appreciation of the procedures to be followed for rescuing persons from the sea, assisting a ship in distress, responding to emergencies which arise in port	1.5	
4.	RESPOND TO A DISTRESS SIGNAL AT SEA	4.1 Knowledge of the contents of the International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual	1.0	Table A-II/1 Page 105
5.	MANOEUVRE THE SHIP	5.1 Knowledge of: The effects of deadweight, draught, trim, speed and under keel clearance on turning circles and stopping distances	1.0	Table A-II/1 Page 106
		2. Manoeuvres and procedures for the rescue of person overboard	0.5	
		3. Squat, shallow-water and similar effects	0.5	
6.	MONITOR THE LOADING STOWAGE, SECURING, CARE DURING THE VOYAGE AND THE UNLOADING OF CARGOES	6.1 Knowledge of the effects of cargo, including heavy lifts, on the seaworthiness and stability of the ship	1.0	Table A-II/1 Page 107
		6.2 Knowledge of safe handling stowage and securing of cargoes, including dangerous, hazardous and harmful cargoes, and their effect on the safety of life and of the ship	5.0	



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7.	INSPECT AND REPORT DEFECTS AND DAMAGE TO CARGO SPACES, HATCH COVERS AND BALLAST TANKS	7.1 Knowledge and ability to explain where to look for damage encountered due to: 1. loading and unloading operations 2. corrosion 3. severe weather conditions	1.0	Table A-II/1 Page 107
		7.2 Identify those elements of the ship structure which are critical to the safety of the ship	0.5	
		7.3 Understanding of the purpose of the “enhanced survey programme”	0.5	
8.	ENSURE COMPLIANCE WITH POLLUTION PREVENTION REQUIREMENTS	8.1 Knowledge of the precautions to be taken to prevent pollution of the marine environment	1.5	Table A-II/1 Page 108
		8.2 Anti-pollution procedures and all associated equipment	0.5	
9.	MAINTAIN SEAWORTHINESS OF THE SHIP	9.1 Working knowledge and application of stability, trim and stress tables, diagrams and stress-calculating equipment	8.0	Table A-II/1 Page 108
10.	MONITOR COMPLIANCE WITH LEGISLATIVE REQUIREMENTS	10.1 Basic working knowledge of the relevant IMO conventions concerning safety of life at sea, security and protection of the marine environment	2.0	Table A-II/1 Page 109
		11. Knowledge of precautions to take during dry docking and knowledge of preparing a vessel for dry docking	1.0	
		12. Precautions against extreme weather conditions and other onboard operations	1.0	
		13. BRM, leadership & teamwork	3.0	



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		14. Amendments to international Conventions, Code & guide lines	2.0	
		15. Amendments to local legislations & latest M notices	1.0	
		16. Innovations, updates & changes to marine industry	2.0	
		17. Case studies which includes minimum of three different topics	3.0	
		18. Piracy & armed robbery updates	1.0	
		TOTAL	60.0	