

STAR Center Cm/Master Upgrade Courses

By NVIC 10-14 (Ch.2) Task

****UPDATED -7/23/19****

Note 1	NVIC 10-14	Description	STAR Course	
	11.1.A	International regulations for cargo operations	Adv. Cargo	D116
	11.1.B	Prepare a loading and discharge plan	Adv. Cargo	D116
	11.4.B	Container stowage and securing	Adv. Cargo	D116
	11.4.C	Stowage and securing of heavy lift cargoes	Adv. Cargo	D116
	11.4.D	Stowage and securing of cargoes on RoRo ships	Adv. Cargo	D116
	11.5.A	Receipt, tallying, and delivery of cargo	Adv. Cargo	D116
	11.5.B	Care of cargo during carriage	Adv. Cargo	D116
	11.5.C	Safe use of cargo handling gear	Adv. Cargo	D116
	11.5.D	Develop a loading plan	Adv. Cargo	D116
x	11.5.E	Inspect cargo running gear	Adv. Cargo	D116
x	11.6.A	Basic concepts of oil tanker operations	Adv. Cargo	D116
x	11.6.B	ISGOTT contents and application	Adv. Cargo	D116
x	11.6.C	Oil tanker operations	Adv. Cargo	D116
x	11.6.D	Basic concepts of gas tanker operations	Adv. Cargo	D116
x	11.7.A	Basic concepts of bulk carriers	Adv. Cargo	D116
	11.8.A	Develop a garbage plan	Adv. Cargo	D116
	11.8.B	Loading of packaged dangerous goods	Adv. Cargo	D116
x	11.9.A	Conduct a cargo transfer meeting	Adv. Cargo	D116
	12.1.A	Ability to explain how to avoid the detrimental effects on bulk carriers of corrosion, fatigue and inadequate	Adv. Cargo	D116
x	13.1.A	Carriage of dangerous goods	Adv. Cargo	D116
x	15.1.A	Certificates required by international convention	Adv. Cargo	D116
x	15.1.B	Documents required to be carried	Adv. Cargo	D116
x	15.1.C	Documents required on arrival and departure	Adv. Cargo	D116
x	15.2.A	International convention on Load Lines	Adv. Cargo	D116
x	15.4.A	MARPOL 73/78	Adv. Cargo	D116
x	15.4.B	MARPOL Annex I	Adv. Cargo	D116
x	15.4.C	MARPOL Annex II	Adv. Cargo	D116
x	15.4.D	MARPOL Annex III	Adv. Cargo	D116
x	15.4.E	MARPOL Annex IV	Adv. Cargo	D116
x	15.4.F	MARPOL Annex V	Adv. Cargo	D116
x	15.4.G	MARPOL Annex VI	Adv. Cargo	D116
x	15.6.A	International instruments affecting the safety of the ship, passengers, crew and cargo	Adv. Cargo	D116
x	15.6.B	International instruments affecting the safety of the ship, passengers, crew and cargo	Adv. Cargo	D116
x	15.7.A	Pollution prevention	Adv. Cargo	D116
	16.2.A	Plan a fire / emergency drill	Adv. Cargo	D116
	16.3.A	Develop a maintenance plan for lifesaving and firefighting equipment	Adv. Cargo	D116
	9.10	Dry docking	Adv Stability	D115
x	9.16.B	Ice accumulation	Adv Stability	D115
	11.1.B	Prepare a loading and discharge plan	Adv Stability	D115
	11.2	Effect of cargo on trim and stability	Adv Stability	D115
	11.3	Calculate GM at arrival;	Adv Stability	D115
	11.5.D	Develop a loading plan	Adv Stability	D115
	14.1	Factors affecting trim and stability	Adv Stability	D115
	14.2	Effect of flooding	Adv Stability	D115
	14.3	IMO recommendations concerning ship stability	Adv Stability	D115
	17.2.A	Prepare a damage control plan	Adv Stability	D115
	5.1	Operate ARPA controls/functions-Satisfied by completeing ARPA course or holding OICnw C/M or Mast	Adv Ship Handling (Mgt level)	D110G
	5.3.A	Plan and execute a passage	Adv Ship Handling (Mgt level)	D110G
	8.1	Beaching a ship	Adv Ship Handling (Mgt level)	D110G
	8.2	Grounding a ship	Adv Ship Handling (Mgt level)	D110G
	8.3	Refloating a grounded ship	Adv Ship Handling (Mgt level)	D110G
	8.4	Prepare for a collision	Adv Ship Handling (Mgt level)	D110G
	8.5.A	Damage control	Adv Ship Handling (Mgt level)	D110G
	8.6.A	Emergency steering	Adv Ship Handling (Mgt level)	D110G
	8.7.A	Emergency towing	Adv Ship Handling (Mgt level)	D110G
	9.1.A	Embark or disembark a pilot	Adv Ship Handling (Mgt level)	D110G
	9.2.A	Counter set and drift	Adv Ship Handling (Mgt level)	D110G
	9.3.A	Constant radius turn	Adv Ship Handling (Mgt level)	D110G
	9.4.A	Maneuver in shallow water	Adv Ship Handling (Mgt level)	D110G
	9.5.A	Canal effect	Adv Ship Handling (Mgt level)	D110G
	9.6.A	Dock starboard side to	Adv Ship Handling (Mgt level)	D110G
	9.6.B	Dock port side to	Adv Ship Handling (Mgt level)	D110G
	9.7.A	Turn ship short around	Adv Ship Handling (Mgt level)	D110G
	9.8.A	Anchor a ship	Adv Ship Handling (Mgt level)	D110G
	9.9.A	Dragging anchor	Adv Ship Handling (Mgt level)	D110G
	9.9.B	Clearing fouled anchor	Adv Ship Handling (Mgt level)	D110G
	9.11	Shiphandling in heavy weather	Adv Ship Handling (Mgt level)	D110G
	9.12	Maneuver to launch rescue boats	Adv Ship Handling (Mgt level)	D110G

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	9.13	Taking on survivors from rescue craft	Adv Ship Handling (Mgt level)	D110G
	9.14	Maneuvering and propulsion characteristics	Adv Ship Handling (Mgt level)	D110G
	9.15	Reducing wake damage	Adv Ship Handling (Mgt level)	D110G
x	9.16.A	Ice navigation	Adv Ship Handling (Mgt level)	D110G
x	9.17.A	Maneuvering in traffic separation schemes	Adv Ship Handling (Mgt level)	D110G
x	16.1.A	Lifesaving appliance regulations	Adv Ship Handling (Mgt level)	D110G
x	16.4.A	Procedures to rescue persons from a ship in distress	Adv Ship Handling (Mgt level)	D110G
x	16.4.B	Man overboard procedures	Adv Ship Handling (Mgt level)	D110G
x	16.5.A	Actions following fire, explosion, collision or grounding	Adv Ship Handling (Mgt level)	D110G
x	16.5.B	Abandon ship procedures	Adv Ship Handling (Mgt level)	D110G
x	10.1. A	Diesel engines	Marine Propulsion	
x	10.1.B	Steam turbine systems	Marine Propulsion	D108E
x	10.1.C	Propeller and propeller shaft	Marine Propulsion	D108E
x	10.1.D	Bridge control	Marine Propulsion	D108E
	10.2.A	Waste heat boilers	Marine Propulsion	D108E
	10.2.B	Distillation and freshwater systems	Marine Propulsion	D108E
x	10.2.C	Pumps and pumping systems	Marine Propulsion	D108E
x	10.2.D	Steering gear	Marine Propulsion	D108E
	10.2.E	Remotely operate steering gear	Marine Propulsion	D108E
x	10.2.F	Generators, alternators, and electrical distribution	Marine Propulsion	D108E
x	10.2.G	Air conditioning and ventilation	Marine Propulsion	D108E
x	10.2.H	Sewage treatment plants	Marine Propulsion	D108E
x	10.2.I	Oily water separators and oil filtering equipment	Marine Propulsion	D108E
x	10.2.J	Deck machinery	Marine Propulsion	D108E
x	10.2.K	Hydraulic systems	Marine Propulsion	D108E
x	10.3.A	Engineering terms	Marine Propulsion	D108E
x	10.3.B	Fuel consumption	Marine Propulsion	D108E
	7.1	Forecast weather for next 24 hours	Adv Meteorology	D105E
	7.2	Identify fronts	Adv Meteorology	D105E
	7.3	Ocean currents	Adv Meteorology	D105E
x	15.3.A	International Convention for the Safety of Life at Sea	Leadership & Mgmt	G500
x	15.5.A	International health regulations	Leadership & Mgmt	G500
x	15.8.A	National legislation to implement international conventions	Leadership & Mgmt	G500
	18.1	Shipboard personnel management	Leadership & Mgmt	G500
	18.2	Use of leadership and managerial skill	Leadership & Mgmt	G500
x	1.1.A	Create a voyage plan	Advanced Navigation	D117
x	1.2.A	Great circle sailing	Advanced Navigation	D117
x	1.2.B	Mercator sailing - initial course and total distance	Advanced Navigation	D117
x	1.2.C	Mercator sailing - final position	Advanced Navigation	D117
x	2.2.A	GPS routing	Advanced Navigation	D117
x	3.1	Amplitude of the sun	Advanced Navigation	D117
x	3.2.A	Write a standing order regarding compasses	Advanced Navigation	D117
x	3.3.A	Operation and care of gyrocompass	Advanced Navigation	D117
x	5.2.A	Blind pilotage planning	Advanced Navigation	D117
x	7.4.A	Calculate height of tide	Advanced Navigation	D117
x	7.4.B	Calculate tidal current	Advanced Navigation	D117
x	7.4.C	Calculate time for desired height of tide	Advanced Navigation	D117
x	2.1.A	Meridian transit (other than the sun)	Celestial Navigation	D101F
x	2.1.B	Star identification	Celestial Navigation	D101F
x	2.1.C	Star selection	Celestial Navigation	D101F
	4.1	Knowledge of IAMSAR procedures	SAR	D113
	19.1	International Medical Guide for Ships	Medical	D114
	19.2	International Code of Signals – medical section	Medical	D114
	19.3	Medical First Aid Guide	Medical	D114
	6.1	ECDIS licensing and updating	ECDIS	D074
	6.2	ECDIS updating system version	ECDIS	D074
	6.3	ECDIS system configuration and backup	ECDIS	D074
	6.4	ECDIS log file creation and maintenance	ECDIS	D074
	6.5	ECDIS maintain route plan files	ECDIS	D074
	6.6	ECDIS functions and alarms	ECDIS	D074
	6.7	ECDIS playback and route planning	ECDIS	D074
	5.1	Operate ARPA controls/functions-Satisfied by completeing ARPA course or holding OICnw C/M or Master on ASPA vessel		D016I
	17.1.A	Satisfied by completing 16.2.A (included in Adv Cargo)		
	17.3	Fire Prevention- Demonstratred by maintining standard of competence in Adv FF		
	17.4	Lifesaving appliances- Demonstraacted by holding a valid Proficiency in Survival Craft endorsement		