

46 CFR 10.910: SUBJECTS FOR DECK LICENSES

Captain Joe's Note: The following is an extract from 46 CFR, which shows you the Subjects that you will be tested on. The Subjects are distributed in the 5 Modules: RoR, DG, NG, Saf, NP. If you want to see the subjects as they are distributed in my Program (Deck License Program, then click on the Button "What You Need to Study".

Table 10.910-1 gives the codes used in table 10.910-2 for all deck licenses.

Table 10.910-2 indicates the examination subjects for each license, by code number.

Figures in the body of the table, in place of the letter "x", refer to notes.

Table 10.910-1 Codes for Deck Licenses

Deck Licenses:

1. Master, Oceans/near coastal, any gross tons
2. Chief Mate, oceans/near coastal, any gross tons
3. Master, oceans/near coastal, 500/1,600 gross tons.
4. Second mate, oceans/near coastal, any gross tons.
5. Third mate, oceans/near coastal, any gross tons.
6. Mate, oceans/near coastal, 500/1,600 gross tons.
7. Master, oceans/near coastal, and mate, near coastal, 200 gross tons (includes master, near coastal, 100 gross tons).
8. Operator, uninspected passenger vessels, near coastal.
9. Operator, uninspected passenger vessels, Great Lakes/inland.
10. Operator, uninspected towing vessels, oceans (domestic trade)/near coastal.
11. Operator, uninspected towing vessels, Great Lakes/inland.
12. Operator, uninspected towing vessels, Western rivers.
13. Master, Great Lakes/inland, or master, inland, any gross tons.
14. Mate, Great Lakes/inland, any gross tons.
15. Master, Great Lakes/inland, 500/1,600 gross tons.
16. Mate, Great Lakes/inland, 500/1,600 gross tons.
17. Master or mate, Great Lakes/inland, 200 gross tons (includes master, Great Lakes/inland, 100 gross tons).
18. Master, rivers, any gross tons.
19. Master, rivers, 500/1,600 gross tons.
20. Mate, rivers, 500/1,600 gross tons.
21. Master or mate, rivers, 200 gross tons (includes master, rivers, 100 gross tons).
22. Master, uninspected fishing industry vessels, oceans/near coastal.
23. Mate, uninspected fishing industry vessels, oceans/near coastal.
24. First class pilot.

Table 10.910-2--License Codes

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
OCEAN TRACK PLOTTING:																									
Middle Latitude Sailing	1	1		1	1																				
Mercator Sailing	x	x		1	1																				
Great Circle Sailing	1	1		1																					
Parallel Sailing	1	1		1	1																				
ETA	x	x	1	x	x																				
PILOTING:																									
Distance Off		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					x	x	x
Bearing Problems		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						x	x	x
Fix or Running Fix		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x							x	x	x
Chart Navigation		x	x	x	x	x	x	x	x	x	x	2	x	x	x	x	x	2	2	2	2		x	x	x
Dead Reckoning		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x						x	x	x
CELESTIAL OBSERVATIONS:																									
Special Cases (Hi/Lo Alt, Backsight)	1																								
Latitude by Polaris	1	1	1	1																					
Latitude by Meridian Transit	1																								
Latitude by Meridian Transit (Sun only)	x	x	1	x	x	1	1			1													1	1	
Fix or Running Fix (Any Body)	x	x	1	x																			1		
Fix or Running Fix (Sun only)					x	1	1			1														1	
Star Identification	1	1	1	1																					
Star Selection	1	x	1	x																					1
TIMES OF CELESTIAL PHENOMENA:																									
Time of Meridian Transit	1																								
Time of Meridian Transit (Sun only)	x	x	1	x	x	1	1			1													1	1	
Meridian Transit (2nd Estimate)	1																								
Zone Time (Sunrise, Sunset, Twilight)	x	x	1	1	1	1	1			1														1	1
Zone Time (Moonrise/Moonset)	x	x		1																					
Speed by RPM	x	x		x									3												
Fuel Conservation	x	x											3												
Electronic Navigation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						x	x	x
Instruments and Accessories	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Aids to Navigation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Charts, Nav Publications, Notices to Mariners	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nautical Astronomy & Nav Definitions	x	x		x	x																				
Chart Sketch																									4

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
SEAMANSHIP:																									
Marlinespike Seamanship				x	x	x	x	x	x	x	x	x		x		x	x	x	x	x	x	x	x	x	x
Purchases, Blocks & Tackles				x	x	x	x			x	x	x		x		x	x	x	x	x	x	x	x	x	x
Small Boat Handling under Oars or Sail				x	x								x	x											
WATCHKEEPING:																									
International Rules of the Road (Colregs)	x	x	x	x	x	x	x	x	5	x	5		5	5	5	5	5					x	x	5	
Inland Rules of the Road	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Basic Principles of Watchkeeping	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x				
Navigation Safety Rules (33 CFR 164)	x	x		x	x								x	x				x				6	6	6	
RADAR EQUIPMENT:																									
Radar Observer Certificate	x	x	x	x	x	x	1			1			x	x				x				x	x	x	
COMPASS - MAGNETIC & GYRO:																									
Principles of the Gyro Compass	x	x	x	x	x	x							x	x	x	x						x	x		
Principles of the Magnetic Compass	x	x	x	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	x	x
Magnetic Compass Adjustment	x	x											x	x											
Gyro Compass Error/Correction	x	x	x	x	x	x	7				x	x	x	x	x	x	7					x	x	x	
Magnetic Compass Error/Correction	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x					x	x	x	
DETERMINATION OF COMPASS ERROR:																									
Azimuth (Any Body)	x	x		1																					
Azimuth (Sun only)			1		x	1	1			1			3										1	1	
Amplitude (Any Body)	x																								
Amplitude (Sun only)		x	1	x	x	1	1			1			3										1	1	
Deviation Table Construction	x	x	1	x	x								3												
Terrestrial Observation		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x						x	x	x
Gyro-Controlled Systems	x	x	x	x		x																			
Operation & Care of Main Gyro Systems	x	x	x	x		x																			
METEOROLOGY & OCEANOGRAPHY:																									
Characteristics of Weather Systems		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Ocean Current Systems		x	x	x	x																		x	x	
Weather Charts & Reports		x	x	x	x		x			x														x	
TIDES & TIDAL CURRENTS:																									
Extensive Tidal Effects	x	x	x																						
Terms & Definitions		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x						x	x	x
Publications		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x						x	x	x
Calculations		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x						x	x	x

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
SHIP MANEUVERING & HANDLING:																										
Approaching Pilot Vessel or Station	x	x	x			x																			x	
Shiphandling in River & Estuaries	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Maneuvering in Shallow Water	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Interaction with Bank/Passing Ship	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Berthing & Unberthing	x	x	x			x	x	x	x	x			x	x	x		x	x	x		x	x			x	
Anchoring & Mooring		x	x	x	x	x	x	x	x	x			x	x	x	x	x						x	x	x	
Dragging/Clearing Fouled Anchors		x	x	x	x	x	x						x	x	x	x	x						x			
Drydocking with/without Prior Damage		x	x																							
Heavy Weather Operations		x	x				x	x	x								x							x	x	
Heavy Weather Maneuvering for Launching Lifeboats/rafts		x	x				x			x			x		x									x	x	
Receiving Survivors from Lifeboats/rafts		x	x				x			x	x															
GENERAL:																										
Turn Circle, Pivot Point, Advance & Transfer				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Determine Maneuvering Characteristic of Major Vessel Types		x		x	x																					
Wake Reduction		x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Ice Operations, Ice Navigation	x	x	x			x				x	x	x	x	3	x	3										
Towing Operations		x	x	x	x	x	x			x	x	x		x		x	x	x	x	x	x	x				
SHIP STABILITY, CONSTRUCTION & DAMAGE CONTROL:																										
Principles of Ship Construction		x	x	x	x		x						x	3	x	3	x	x	x							
Trim & Stability	x	x	x	x	x	x	x			x	x	x	x	3	x	3	x	x	x			x	x	x		
Damage Trim & Stability	x	x	x			x	7																			
Stability, Trim & Stress Calculations	x	x	x	x			7																			
Vessel Structural Members		x	x	x	x	x	7							x	x	3	7									
IMO Stability Recommendations	x	x																								
Damage Control	x	x	x			x		7									7									
Change in Draft due to Density	x	x																								
SHIP POWER PLANTS:																										
Marine Power Plant Operating Principles		x	x				7						x		x		7	x	x							
Ship's Auxiliary Machinery		x	x									x			x			x	x							
Marine Engineering Terms		x	x				7						x		x		7	x	x							
Small Engines Operations & Maintenance							x	x	x								x							x		

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
CARGO HANDLING & STOWAGE:																									
Cargo Stowage & Security, including Cargo Gear		x	x	x	x	x	7						x	x	x	x	7	x	x	x					
Loading & Discharging Operations		x	x	x	x	x							x	x	x	x		x	x	x					
Intl Regs for Cargoes, especially IMDG	x	x	x																						
Dangerous/Hazardous Cargo Regulations	x	x	x	x	x	x							x	x	x	x		x	x	x					
Tank Vessel Safety		x	x	x	x	x							x	x	x	x		x	x	x					
Cargo Piping & Pumping Systems		x	x	x	x	x							x	x	x	x		x	x	x					
Cargo Oil Terms & Definitions		x	x	x	x	x							x	x	x	x		x	x	x					
Ballasting, Tank Cleaning & Gasfreeing Operations		x	x	x	x	x							x	x	x	x		x	x	x					
Load on Top Procedures		x	x	x	x	x							x	x	x	x		x	x	x					
Barge Regulations (Operations)											x	x	x												
FIRE PREVENTION & FIRE FIGHTING APPLIANCES:																									
Organization of Fire Drills		x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Classes & Chemistry of Fire		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Firefighting Systems		x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Firefighting Equipment & Regulations		x	x	x	x	x	7			x	x	x	x	x	x	x	7	x	x	x	7	x	x		
Firefighting Equipment & Regulations (T-Boats)							x										x				x				
Basic Firefighting & Prevention		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EMERGENCY PROCEDURES:																									
Ship Beaching Precautions		x	x										x		x										
Actions Prior to/after Grounding		x	x										x		x			x	x						
Re-floating a Grounded Ship		x	x										x		x			x	x						
Collision		x	x				x	x		x	x	x	x		x			x	x	x		x			
Temporary Repairs		x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Passenger/Crew Safety in Emergency		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Fire or Explosion		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Abandon Ship Procedures		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Emergency Steering	x	x	x										x		x			x	x			x	x		
Rescuing Survivors from Ship/Aircraft in Distress		x	x	x	x	x	x			x			x	x	x	x	x	x	x						
Man Overboard Procedures		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Emergency Towing	x	x	x				x			x															
MEDICAL CARE, KNOWLEDGE & USE OF:																									
International Medical Guide for Ships		x	x																						
Ships Medicine Chest & Medical Aid at Sea		x	x																						
International Code of Signals - Medical Section		x	x	x	x																				
First Aid Guide: Accidents with Dangerous Goods		x	x																						
First Aid		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
MARITIME LAW:																									
International Maritime Law:																									
International Convention on Loadlines	x	x	x																						
SOLAS	x	x	x				7																		
MARPOL 73/78	x	x	x	x	x																				
Internation Health Regulations	x	x	x																						
Other Intl regs for Ship/Pass/Crew/Cargo Safety	x	x	x																						
National Maritime Law:																									
Loadlines	x	x	x			x	x			x	x		3	3	3	3	7								
Certification & Documentation of Vessels	x	x	x				x	x	x	x	x	x	x		x		x	x	x		x	x			
Rules & Regs for Inspected Vessels	x	x	x	x	x	x	7						x	x	x	x	7	x	x	x	7	x			
Rules & Regs for Inspected T-Boats							x										x				x				
Rules & Regs for Un-Inspected Vessels							x	x	x	x	x	x					x				x	x	x		
Pollution Prevention Regulations	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Pilotage	x	x	x																						x
Licensing & Certification of Seamen	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Shipment & Discharge, Manning	x		x				x			x			x	x				x	x						
Title 46 (US Code)	x	x	x										x	x				x	x						
COTP Regs, VTS Procedures for the Route Desired																									x
SHIPBOARD MANAGEMENT & TRAINING:																									
Personnel Management	x	x	x										x	x				x	x						
Shipboard Organization	x	x	x										x	x				x	x						
Required Crew Training	x	x	x										x	x				x	x						
Ship Sanitation	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Vessel Alteration/Repair - Hot Work	x	x	x				x						x	x				x	x						
Safety	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SHIP'S BUSINESS:																									
Charters	x	x	x																						
Liens & Salvage	x	x	x																						
Insurance	x	x	x																						
Entry, Clearance	x	x	x																						
Certificates & Documents required	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
COMMUNICATIONS:																									
Flashing Light	x	x		x	x																				
Radio Telephone Communications		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Radio Telegraphy Emergency Distress Signals		x		x	x																				
Signals: Storm/Wreck/Distress/Special		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
International Code of Signals		x	x	x	x																				

Examination Topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
LIFESAVING:																									
Survival at Sea		x	x	x	x	x	x			x												x	x		
Life Saving Appliance (LSA) Regulations		x	x	x	x	x	7						x	x	x		7	x	x	x	7				
Life Saving Appliance (LSA) Regulations (T-Boats)							x										x				x				
Life Saving Appliance (LSA) Operations		x	x	x	x	x	7	x	x	x	x		x	x	x	x	7	x	x	x	7	x	x		
Life Saving Appliance (LSA) Operations (T-Boats)							x										x				x				
SEARCH & RESCUE (SAR):																									
Search & Rescue Procedures	x	x	x																						
AMVER	x	x	x																						
Any other subject considered necessary to establish the applicant's proficiency	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

1--For ocean routes only.

2--River chart navigation only.

3--Topic covered only on Great Lakes specific module(s) taken for ``Great Lakes and inland" routes.

4--Including recommended courses, distances, prominent aids to navigation, depths of waters in channels and over hazardous shoals, other important features of the route, such as character of the bottom.

The OCMI may accept chart sketching of only a portion or portions of the route for long or extended routes.

5--Take COLREGS if license not limited to non-COLREG waters.

6--For licenses over 1600 gross tons.

7--For licenses over 100 gross tons.

8--Sail vessel safety precautions, rules of the road, operations, heavy weather procedures, navigation, maneuvering, and sailing terminology.

Applicants for Sail/Auxiliary Sail endorsements to master, mate or operator of uninspected passenger vessels licenses are also tested in the subjects contained in this addendum.