

U.S.C.G. Merchant Marine Exam

Master or Mate Less than 200 Gross Registered Tons

Q340 Deck General

(Sample Examination)

Choose the best answer to the following Multiple-Choice Questions.

1. On a passenger vessel over 400 gross tons, in which section are the routine entries recorded in the Oil Record Book?
- A. An Oil Record Book is not required on this vessel
 - B. Part I (Machinery Space Operations)
 - C. Part III (Emergency Discharge/Spillage)
 - D. Part II (Cargo Oil/Ballast Operations)

Correct answer: B

2. Which term is given to the placing a lashing across a hook to prevent a fitting from slipping out of the hook?
- A. Worming
 - B. Faking
 - C. Mousing
 - D. Flemishing down

Correct answer: C

3. When an azimuth of the Sun has been taken and the deviation of the standard magnetic compass computed, the watch officer should record the results _____.
- A. in the compass deviation log
 - B. on the compass deviation card
 - C. on a Napier diagram
 - D. in the vessel's Official Logbook

Correct answer: A

4. When bunkering at a dock which of the following signals must be displayed?
- A. A red flag by day, red light by night
 - B. A red flag by day, a blue light by night
 - C. A yellow flag by day, red light by night
 - D. A green flag by day, green light by night

Correct answer: A

5. How long is a credential issued by the U.S. Coast Guard for apprentice mate (steersman) of Towing Vessels valid for?
- A. 2 years and must be renewed
 - B. 3 years and must be renewed
 - C. 5 years and must be renewed
 - D. None of the above

Correct answer: C

6. Cargo vessels being navigated, and fitted with emergency lighting and power systems, shall have their emergency systems tested at which interval?
- A. At least once in each week
 - B. Once in every 6 months
 - C. At least once in each month
 - D. Once in every 12 months

Correct answer: A

7. You are on a single-screw vessel with a right-handed propeller, and you are making headway. What occurs when you enter shallow water?
- A. Your speed will increase without a change in your throttle
 - B. Your vessel will tend to ride higher
 - C. Your rudder response will become sluggish
 - D. Your vessel will have better rudder response

Correct answer: C

8. Single hull vessels operating exclusively on the Great Lakes must be dry docked at intervals not to exceed what time period?
- A. 48 months
 - B. 12 months
 - C. 60 months
 - D. 24 months

Correct answer: C

9. When bunkering at anchorage which of the following signals must be displayed?
- A. A red flag by day ONLY
 - B. A red light by night ONLY
 - C. A red flag by day, red light by night
 - D. No signal required at anchorage

Correct answer: A

10. Which of the following may result from improperly coiling manila line?
- A. Number of fishhooks
 - B. 50% loss of efficiency of the line
 - C. Increase deterioration of the line
 - D. Kink in the line

Correct answer: D

11. Which statement about the use of portable electric lights in petroleum product tanks is TRUE?
- A. The fixture must be explosion-proof and the line must have a ground wire.
 - B. They can be used only when the compartment is gas free.
 - C. They must be explosion-proof, self-contained, battery-fed lamps.
 - D. No portable electric equipment of any type is allowed.

Correct answer: C

12. Which color is the next-to-last shot of an anchor cable usually painted?

- A. Yellow
- B. White
- C. Red
- D. International orange

Correct answer: A

13. Which document is used to indicate suspected cargo damage caused by rough weather?

- A. The hull damage report
- B. The Unseaworthy Certificate
- C. The cargo report
- D. The Master's Note of Protest

Correct answer: D

14. Your vessel is port side to a pier with a spring line led aft from the bow. How will the vessel respond in calm weather, with the engines ahead and hard left rudder?

- A. The bow will slip out and the stern in
- B. The bow will swing in and the stern out
- C. Both the bow and stern will move in
- D. Both the bow and stern will move out

Correct answer: B

15. You are conducting trials to determine the maneuvering characteristics of your vessel. While making a turn you take the ranges and bearings of an isolated light. The results are shown in illustration D034DG below. What is the transfer for a turn of 75°?

- A. 365 yards (306 meters)
- B. 320 yards (274 meters)
- C. 230 yards (207 meters)
- D. 190 yards (171 meters)

Correct answer: B

16. Which statement is TRUE when using the anchor to steady the bow while approaching a dock?

- A. Using an offshore anchor decreases the chances of the anchor holding
- B. Steering control is ineffective in trying to turn to the side opposite to that of the anchor being used
- C. The anchor cable must never lead under the hull
- D. The vessel will tend to take a large sheer towards the side where the anchor is down

Correct answer: A

17. A vessel that has which of the following will ensure that it will keep its draft at or below the load line mark?

- A. Normal rolling periods
- B. Minimal displacement
- C. Reserve buoyancy
- D. Adequate ballast

Correct answer: C

18. According to Coast Guard Regulations (46 CFR), when loading, or discharging oil in bulk at a dock, which of the following signals must be displayed?

- A. A red flag (day), red light (night)
- B. A signal is not required for discharging oil, only gasoline
- C. A green flag (day), green light (night)
- D. A yellow flag (day), red light (night)

Correct answer: A

19. In writing up the logbook at the end of your watch, you make an error in writing an entry. What is the proper means of correcting this error?

- A. Blot out the error completely and rewrite the entry correctly.
- B. Remove this page of the logbook, and rewrite all entries on a clean page.
- C. Carefully and neatly erase the entry and rewrite it correctly.
- D. Cross out the error with a single line, and write the correct entry, then initial it.

Correct answer: D

20. Who must approve the vessel's trim and stability booklet?

- A. National Cargo Bureau
- B. Society of Naval Architects and Marine Engineers
- C. United States Coast Guard
- D. International Maritime Organization

Correct answer: C

21. The person in charge on the vessel and the person in charge at the facility must hold a meeting before starting the transfer of oil. Who must decide to start the transfer?

- A. The person in charge on the vessel
- B. The person in charge of either place that is doing the pumping
- C. The person in charge at the facility
- D. Both persons in charge

Correct answer: D

22. Which knot in illustration D030DG below represents a single becket bend?

- A. E
- B. F
- C. G
- D. H

Correct answer: D

23. What is the period of validity of a Merchant Mariner Credential?

- A. 5 years
- B. 1 year
- C. 3 years
- D. 2 years

Correct answer: A

24. What is a serving mallet used for?

- A. To aid in covering wire or fiber rope with marline
- B. To cut the line clean before splicing the line
- C. Forcing fids into a line by striking the small end
- D. To aid in the dogging the hatches

Correct answer: A

25. What is the group of markings shown in illustration D003DG below called?

- A. The load line mark
- B. The test mark
- C. The water mark
- D. The loft mark

Correct answer: A

26. Which states the requirements for the access to a cargo pumproom in a tank vessel carrying grades C or D liquid cargo?

- A. The pumproom access shall be from the open deck
- B. The pumproom access shall be from within the vessel
- C. The pumproom access shall be from areas equipped with power ventilation
- D. The pumproom access shall only be from enclosed areas free from sources of vapor ignition

Correct answer: A

27. A marine chemist issues gas free certificates and is certified by which organization?

- A. Mine Safety Appliance Association
- B. American Chemical Society
- C. Marine Chemists Association
- D. National Fire Protection Association

Correct answer: D

28. Two mooring lines may be placed on the same bollard and either one cast off first if which action is taken?

- A. The bollard has two horns
- B. One of the lines is a breast line
- C. The mooring lines are doubled
- D. The eye of the second line is dipped

Correct answer: D

29. You are mooring to a buoy. How should you make your approach?

- A. Place the current astern and drift to the buoy
- B. The current should be dead ahead
- C. The current should be on the beam
- D. The current should be broad on the bow

Correct answer: B

- 30.** In accordance with Coast Guard Regulations, which statement is TRUE with regards to Coast Guard approved buoyant work vests?
- A. A work vest should not be stowed where they could be confused with life jackets in an emergency
 - B. They should be stowed in engineering spaces in lieu of approved life jackets because they are less bulky and permit free movement in confined spaces
 - C. The vests may be used as a substitute for approved life preservers during routine drills, but never during an emergency
 - D. All of the above

Correct answer: A

- 31.** Close link chain of not less the 3/4" (or the wire rope equivalent) is required for lashing deck cargoes of timber. What size flexible wire rope would provide the strength equivalent to 3/4" chain, using a safety factor of 5?
- A. 9/16"
 - B. 1"
 - C. 1 1/4"
 - D. 1 3/8"

Correct answer: B

- 32.** You are berthed at a cargo facility where you have just completed discharging a dangerous cargo from your barge. You must complete topside repairs on the barge involving hot-work before sailing. Which statement is TRUE?
- A. The repair area must be inspected by a marine surveyor to ensure that it can be done safely.
 - B. Hot-work repairs at such a facility are prohibited.
 - C. You can make repairs with permission of the facility owner since you are empty and the cargo is on the facility.
 - D. The facility operator must notify the Captain of the Port before conducting welding or hot-work.

Correct answer: D

- 33.** You discharge food waste overboard at sea. You have recorded your vessel's position as required, what other items must be included in the report?
- A. The vessel's latitude, longitude, date and time of the discharge
 - B. The vessel's latitude, longitude, course, speed, and a copy of that days noon position slip
 - C. The vessel's latitude and longitude is all that is required
 - D. The vessel's latitude, longitude and approximate depth of water

Correct answer: A

- 34.** Using a scope of five, determine how many feet of chain you should put out to anchor in 12 fathoms of water.
- A. 60 feet (18 meters)
 - B. 72 feet (22 meters)
 - C. 360 feet (110 meters)
 - D. 450 feet (137 meters)

Correct answer: C

35. When is the best time to work a boat into a slip?

- A. When the wind is against you
- B. At slack water
- C. When there is a cross current
- D. When the current is setting against you

Correct answer: B

36. Which is part of the ground tackle?

- A. Gooseneck
- B. Charlie noble
- C. Rat's tail
- D. Devil's claw

Correct answer: D

37. Which term defines "An electronic or electric device that indicates the rate of turn of a vessel"?

- A. Magnetic compass
- B. Odometer
- C. Gyro-compass
- D. Swing meter

Correct answer: D

38. When passing a moored vessel in a narrow channel which actions will help minimize wake damage?

- A. Check the rudder several times while passing the vessel
- B. Reduce speed and make a notation in the bell book
- C. Go half astern when abeam of the moored vessel
- D. Stay on outside of channel and make a notation in the logbook

Correct answer: B

39. Which is a predictable result of a vessel nearing a bank or edge of a steep banked channel?

- A. The stern is drawn to the bank as the bow sheers off
- B. The vessel will be drawn bodily into the bank unless the engines are stopped
- C. The vessel continues in a straight line, but with greatly reduced maneuverability
- D. The bow sheers toward the bank

Correct answer: A

40. Which statement is TRUE concerning the placard entitled "Discharge of Oil Prohibited"?

- A. It is required on all vessels.
- B. It must be located in each machinery space, or at the bilge and ballast pump control station.
- C. It must be located in a conspicuous place in the wheelhouse.
- D. All of the above

Correct answer: B

41. You are docking a vessel. When are the wind and current most favorable in this situation?

- A. When they are both setting you on the pier
- B. When they are both parallel to the pier from ahead
- C. When they are crossing your course, in opposite directions to the other
- D. When they are crossing your course, both in the same direction

Correct answer: B

42. Cargo tanks on barges fitted with goose neck vents and flame screens are limited to carrying which grade of cargo?

- A. A and below
- B. B and below
- C. C and below
- D. D and E only

Correct answer: D

43. According to U.S. regulations, what vessels are required to have the "Discharge of Oil Prohibited" placard?

- A. U.S. Vessels 26 feet or more in length
- B. Foreign vessels when engaged in noncommercial service
- C. Foreign vessels not in U.S. navigable waters
- D. U.S. vessels less than 26 feet in length

Correct answer: A

44. Regulations concerning the stowage, lashing, and securing of timber deck cargoes aboard general cargo vessels may be found in the _____.

- A. Rules and Regulations for Cargo and Miscellaneous Vessels
- B. International Cargo Bureau Regulations
- C. CFR Load Line Regulations
- D. vessel's classification society rules and regulations

Correct answer: C

45. You are the Master of a single-screw vessel. You are docking at a port which has no tugs available. You decide to drop the offshore anchor to help in docking. How much chain should you out?

- A. NEVER use the anchor to help in docking
- B. 5 to 7 times the depth of the water
- C. 1 1/2 times the depth of the water to the hawsepipe
- D. Equal to the depth of the water

Correct answer: C

46. Which of the following is considered "discharge" as it applies to the pollution regulations?

- A. spilling
- B. pumping
- C. leaking
- D. All of the above

Correct answer: D

47. The safe working load (SWL) of wire rope with a safety factor of 6 is what percent of its strength?

- A. 10%
- B. 17%
- C. 50%
- D. 80%

Correct answer: B

48. To determine the number of inflatable liferafts required on a vessel, you should check which document?

- A. Certificate of Inspection
- B. Stability Letter
- C. Load Line Certificate
- D. SOLAS Certificate

Correct answer: A

49. Which statement is TRUE with respect to the load line markings shown in illustration D031DG below?

- A. A vessel displaying these marks may load in the salt waters of the St. Lawrence River.
- B. U.S. flag vessels of 100 gross tons and upward must show these marks.
- C. U.S. flag vessels less than 100 feet in length and less than 200 gross tons are not required to show these marks.
- D. Vessels engaged solely on Great Lakes voyages are not required to show these marks.

Correct answer: A

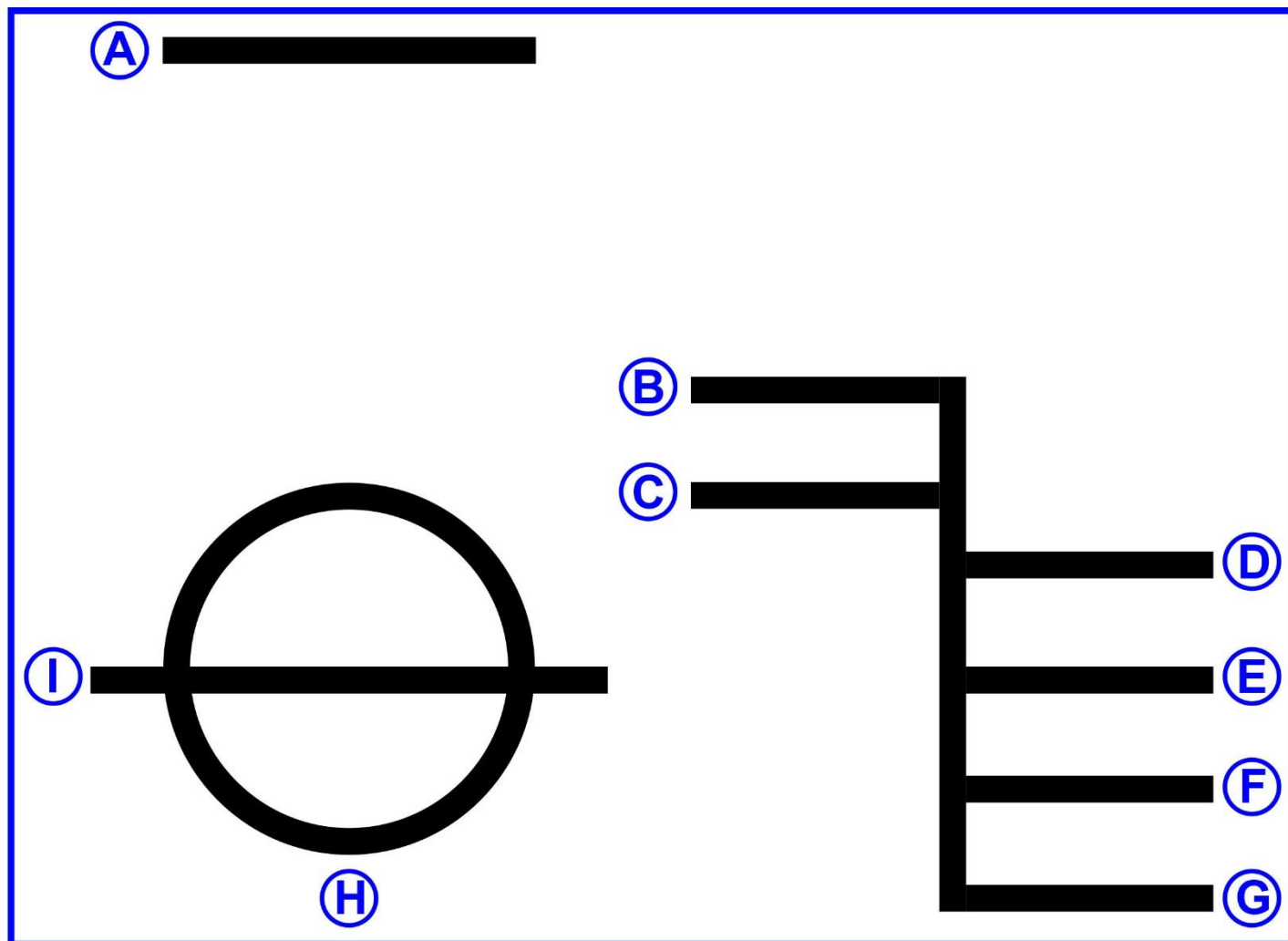
50. Which organization would conduct a survey of the insulation in a reefer compartment prior to loading cargo?

- A. National Cargo Bureau
- B. OSHA
- C. U.S. Customs Service
- D. American Bureau of Shipping

Correct answer: D



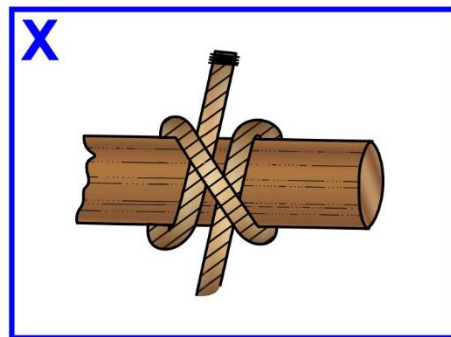
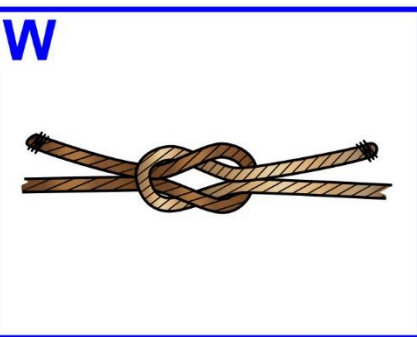
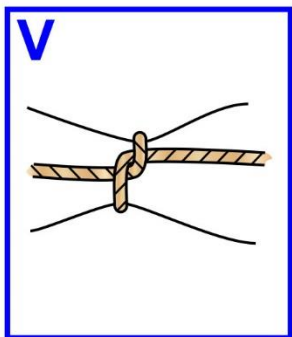
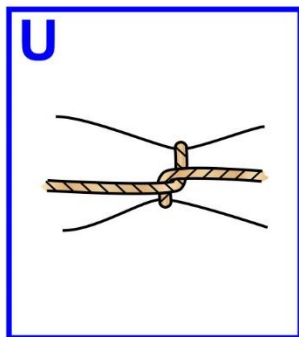
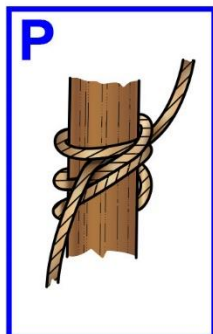
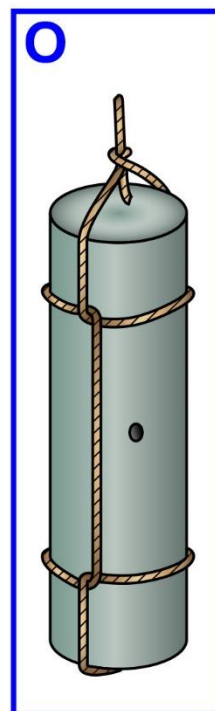
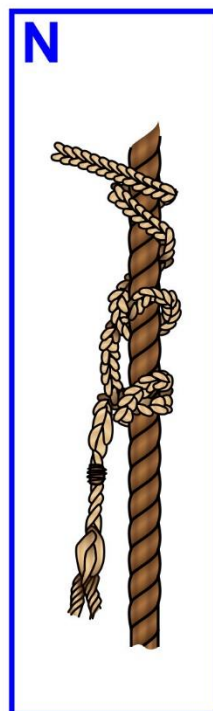
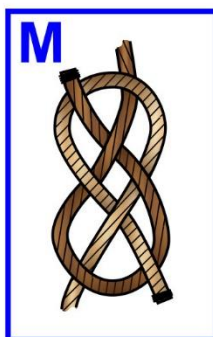
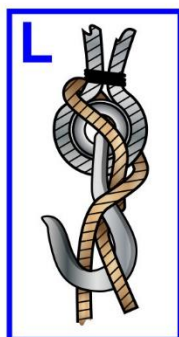
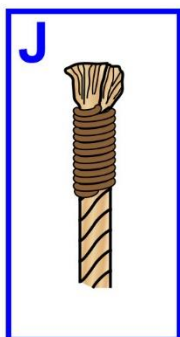
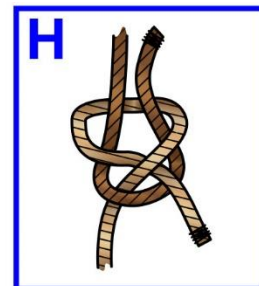
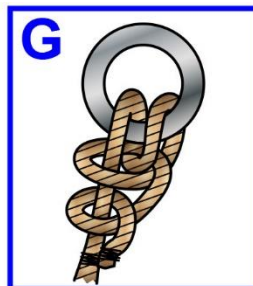
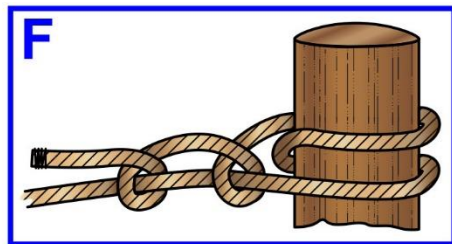
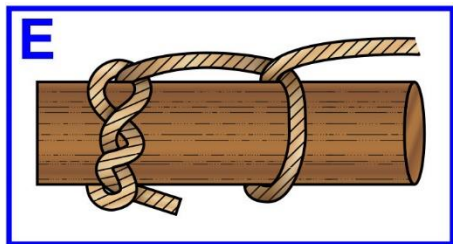
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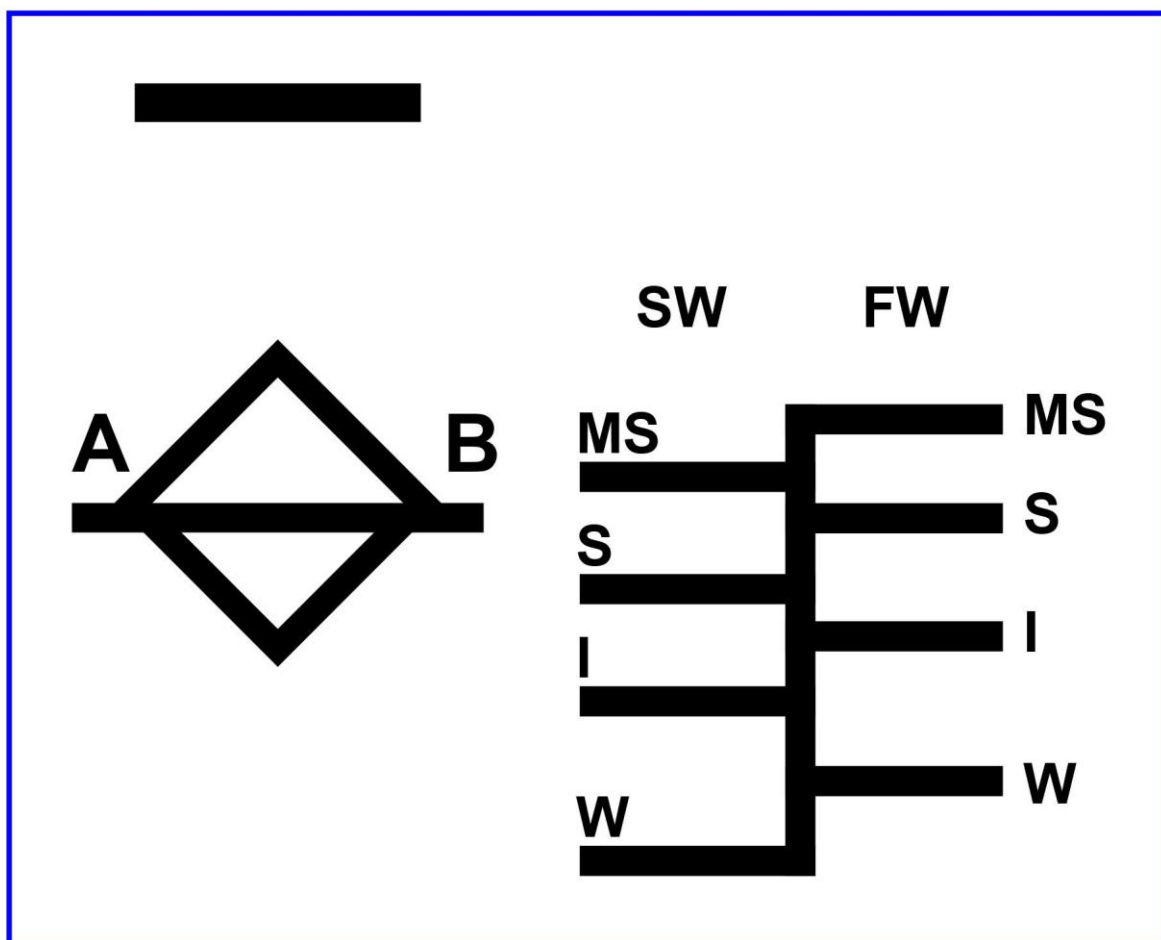
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D031DG



United States Coast Guard National Maritime Center



D034DG

HEADING (TRUE)	BEARING (TRUE)	RANGE (YDS)	REMARKS
228°			INITIAL HEADING
228°	232°	2260	ON INITIAL COURSE
228°	234°	1700	RIGHT FULL RUDDER ORDERED
230°	236°	1490	
252°	235°	1275	
275°	231°	1000	
316°	214°	850	
352°	198°	975	
022°	194°	1210	
053°	197°	1430	
087°	202°	1600	
115°	209°	1690	
151°	217°	1700	
183°	225°	1600	
218°	232°	1350	RUDDER AMIDSHIPS
228°	235°	1125	STEADY ON 228°

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