

**Seagull CES
Test
Reviewer for
Deck Department
(Container Vessel)**

Code: YQXU Which part of the magnetic compass error changes with a change in the course steered?

- Deviation. ✓
- Variation.
- Induced magnetism.
- All of the suggested answers.

Code: OQOS At what minimum height above sea level a *SART* transponder must be mounted?

- 1 metre. ✓
- 2 metres.
- 0,5 metre.
- The good working of a *SART* transponder doesn't depend on the height above sea level.

Code: VSMN When a coastguard-station wants to send a gale-warning by *DSC* it will happen in the category:

- Safety. ✓
- Routine.
- Security.
- Urgency.

Code: VHXT Which of the following is a Flammable Liquid, under the *IMDG* Code?

- Paints, which emit flammable vapours at 60 °C closed-cup test. ✓
- Any liquid with a flashpoint above 63 °C closed-cup test.
- Any liquid with a flashpoint between 60 °C and 70 °C closed-cup test.
- I don't know.

If a twist lock is found cracked at the base, it should be:

- Removed from service. ✓
- Repaired on board and put back into service.
- Use only in the lowest tier on deck.
- Use only to lock under-deck container stows.

Code: GHND What are the tricing pendants made for?

- They automatically prevent any gap between the ship side and the lifeboat at the first stage of its launching. ✓
- They prevent people from falling down if the lifeboat falls down.
- They prevent the lifeboat from falling down if one or both davit breaks.
- They prevent the lifeboat from falling down if the falls break.

Code: EEAE What is the minimum distance between the helmet and the head of the wearer supposed to be?

- 3 cm. ✓
- 7,5 cm.
- 1 cm.
- No minimum distance.

Code: ULVF Once a ship (equipped with self-stowing auto-tension winches) is moored alongside a loading or discharging berth, it is recommended that:

- All winches to be left with the manual brake on and out of gear. ✓
- The "spring" winches be left in the auto-tension mode and all other winches with the manual brake on.
- All mooring winches be left in "auto-tension" mode.
- The "breastline" and "headline" winches be left in the auto-tension mode and spring winches with manual brake on.

Code: UAAG What is understood by the term "*Dew point*" of the air?

- The temperature at which condensation in the air forms into water droplets. ✓
- The temperature of the water vapour in a cloud.
- The "*Dew point*" is the point at the centre of an Anticyclone.
- All of the suggested answers.

What name is given to the point that sketches out the turning circle of a vessel?

- Hydrodynamic Pivot Point. ✓
- Centre of Flotation.
- Turn Centre Point.
- Weight Pivot Point.

Code: AMYI The mandatory color of a hand flare is:

- Red. ✓
- Yellow.
- Green.
- White.

Code: UYAE What would you call the wreckage of a yacht floating in the sea?

- Flotsam. ✓
- Pollution.
- Garbage.
- Debris.

Which option best describes what lies below an isolated danger symbol seen on the chart display of an *ECDIS*?

- There is a wreck from a sunken vessel. ✓
- There could be any obstruction that infringes the safety depth settings.
- There is a rock outcrop not seen by the survey team.
- There is probably a man made subsea structure associated with oil or gas.

Code: YADQ What is the anticipated rolling period of a ship with a large initial Transverse Metacentric Height (*GM*) and would there be any associated dangers to consider?

- Short sharp period of roll associated with breaking lashings and shifting cargo. ✓
- Short period of roll, but a very stable ship and no associated dangers.
- Long period of roll with free surface effects at a maximum.
- Long slow roll and no particular hazards.

Once the Safety Management System is verified and working effectively, what document is issued to the ship?

- The Document of Compliance. ✓
- The Document of Conformance.
- The Safety Management Certificate.
- The *ISM* Certificate.

Code: ENCX After checked for open airway, given the first two inflations and checked the pulse to make sure that the heart is beating, what is the rate of inflations given until natural breathing is restored?

- 12-16 times per minute. ✓
- 10-12 times per minute.
- 25-27 times per minute.
- Doesn't matter how many times.

Code: SGPK A safety valve is sufficient to prevent a *BLEVE*.

- Wrong, if the valve is wrongly set. ✓
- Wrong, it depends on the product.
- Wrong in all cases.
- Right in all cases.

Code: YOWU Under *ISM*, what is a “*non-conformity*”?

- An observed situation where objective evidence indicates the non-fulfillment of a specified requirements. ✓
- The wearing of non-standard Personal protective equipment.
- Official log book entries not being completed correctly.
- A safety officer not being nominated for the vessel.

Code: WMBK What do you understand by the term “*luffing*”?

- The raising or lowering of a crane jib, moving the head of the crane and therefore a suspended load horizontally towards or away from the crane. ✓
- The initial phase of hoisting a load, where the crane wire and structure takes the weight of a suspended load.
- The rotating of a ship's jib in a circular movement about the crane.
- The combined movement of hoisting a load and slewing the crane, employed when lifting a load from a dockside over and into a ship's hold, or vice versa.

Code: EPTQ What do the letters “*TPC*” stand for?

- Tonnes per Centimetre. ✓
- Tonnes per Centimetre Immersion.
- Tipping Centre.
- Trim per Centimetre.

As officer on the mooring deck, when would you report to the bridge that an attending tug is "clear"?

- When the towline is recovered and the tug is clear of the vessel hull. ✓
- When the tug is at least 100 metres from the vessel.
- When the towline is taken off a set of mooring bits on deck.
- When the towline is made fast and the tug is ready for towing.

Code: RQKL "Parametric Rollin" on a container ship results in:

- A large unstable roll motion suddenly occurring in head or stern seas. ✓
- The unexpected roll to a large angle of heel due to a beam sea.
- The gradual build up of rolling angle in a head sea.
- The sudden unexpected occurrence of large rolling angles in beam seas.

Code: FAVA The ship is drifting in the open sea with a temporary engine breakdown. The ship is equipped with GPS navigation equipment. What should the bridge Officer of the Watch do in this situation?

- All of the possible answers. ✓
- Display the "Not under Command" signal and switch off the normal steaming lights.
- Plot the direction and rate of drift and predict the ships position for the period while the ship is "Not Under Command".
- Keep a good lookout for other ships.

Code: YHBH The greatest danger associated with chemicals emitting hydrogen inside a closed container, due to contact with water, is:

- A violent explosion. ✓
- Cargo damage.
- An outbreak of fire.
- A reaction with the carrying receptacles.

Code: MDRU Which of the following areas may be possible restricted areas?
Review all answers.

- All alternatives.
- The Engine control room.
- The Cargo control room.
- The Bridge.

Code: GOGQ The purpose of the dovetail foundation on container vessel is:

- Act as a sliding base for twistlocks.
- To secure double stacking cones.
- To secure a single stacking cone.
- To lock adjacent containers together.

The rudder is hard over with the engine at full ahead. Will the turning effect of the rudder be changed if the engine is stopped?

- Yes, the turning force will be dramatically reduced when the engine is stopped.
- Yes, the turning force will be reduced about 50 % of the original force when the engine is stopped.
- No, the turning force applied by the rudder will be maintained within about 90 % of the turning force when going full ahead.
- No, the turning force is unaffected by the speed of the propeller.

Code: DWBD The limitations of a Cargo Securing Manual of a container vessel may include the fact that:

- They are drafted whilst the ship is still under construction and need to be checked against the ship's "as completed" condition in order to be fully reliable.
- Some Cargo Securing Manuals cover a full range of sister ships.
- Cargo securing arrangements in the manuals may be unsuitable for heavy weather conditions.
- They are not always approved by a classification society.

Code: OUDL The *PTT*-switch must be:

- Pressed in during speaking only to work semi-duplex. ✓
- Pressed in during speaking only to work duplex.
- Pressed to listen.
- Pressed in constantly to work simplex.

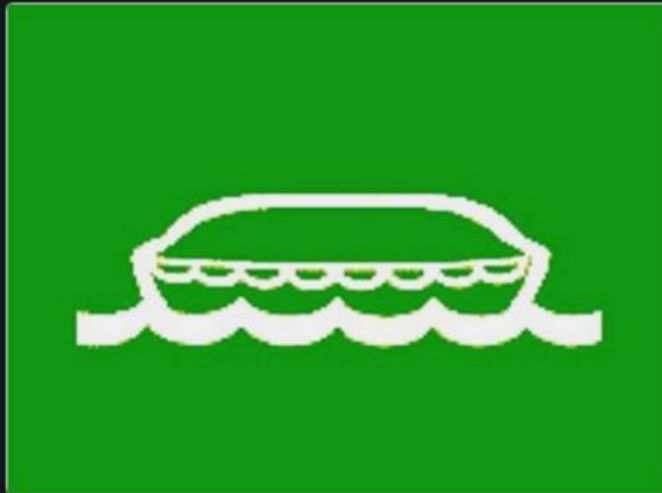
Code: IUWK If one requires medical advice by means of an *Inmarsat-C* terminal one should use the following address:

- 32. ✓
- MED +*.
- Radiomedical.
- Sick Seaman.

On a container vessel, the description of a consignment of dangerous goods shows *P* in the *IMDG* Dangerous Goods List Column 4. What does the letter *P* indicate?

- The substance is a Marine Pollutant. ✓
- The substance is in powder form.
- The substance is poisonous.
- The consignment is in a pressurised container.

What is the meaning of this symbol?



Lifeboat. ✓

Liferaft.

Davit-launched liferaft.

Rescue boat.

Code: KHRV The ship-shore *HF*-telephone-channel 2 228 consists of the frequencies 22 081,0 *kHz* and 22 777,0 *kHz*, in case of manual operation, one should tune the receiver on:

22 770,0 *kHz*. ✓

2 228 *kHz*.

22 081,0 *kHz*.

The common receiving frequency for the 22 *mHz* band.

Code: CKSH If Mouth-to-Mouth (*M-T-M*) ventilation by itself is unsuccessful and the casualty's heart stops, or has stopped beating, you must perform External Chest Compression (*ECC*) in conjunction with *M-T-M*. What is the rhythm when performing *M-T-M* in combination with *ECC* with one First Aider only?

15 compressions followed by 2 full ventilations. ✓

5 compressions followed by 5 full ventilations.

20 compressions followed by 5 full ventilations.

10 compressions followed by 3 full ventilations.

Code: MKGM The log-in of an *Inmarsat-C* installation is important:

- To inform the *NSC* that one is available for messages offered. ✓
- To inform the *LES*, that one is available for messages offered.
- To keep watch on *Sat-C* for safety messages.
- To inform the addressee, that one is available for messages offered.

Code: IGMR It is not possible to install double stacking cones on container ships which has:

- Loaded out-of-gauge containers. ✓
- Restrictions in the cargo securing manual.
- Loaded a homogenous container load.
- Limitations in ship design.

What radar device assists in the detection and location of a survival craft?

- SART* beacon. ✓
- AIS* beacon.
- EPIRB* beacon.
- I don't know.

Code: NFSW Which one of the listed requirements regarding the stowage of rescue boats corresponds to present *SOLAS* regulations. Rescue boats shall be stowed:

- So neither the rescue boat nor its launching arrangements will interfere with any survival craft at any other launching station. ✓
- In a state of readiness for launching in not more than 2 *minutes*.
- Attached to launching appliances.
- Wherever space is available.

Code: TFOA Sodium, when carried in containers, upon coming in contact with water under normal atmospheric conditions will:

- Self-ignite. ✓
- Explode.
- Decompose.
- Implode.

Code: SYPG A proper working of the 406 MHz Cospas-Sarsat EPIRB can be tested with:

- The testing function of the device. ✓
- Regulation monthly test transmissions from RCC's.
- Test transmissions from Cospas-Sarsat satellites.
- Requesting RCC for the test.

Which option best completes the following statement? An operator using ECDIS will notice an out of position navigation buoy because:

- The radar return and ENC buoy symbol will not coincide. ✓
- There will be a flashing alarm on ECDIS showing which one is out.
- It is coloured orange on an ECDIS display.
- A local port authority would send an automatic signal to ECDIS.

When should a ship's officer use some of the English Language found in the IMO publication "Standard Marine Communication Phrases?"

- In circumstances described in all of the answers provided. ✓
- When talking between ship and shore in a foreign land.
- When talking on the VHF between ships of differing flag states.
- When giving orders to a multi-national bridge team.

Code: VVBI Which Security Levels requires the highest security alert?

- Security Level 3. ✓
- Security Level 2.
- Security Level 1.
- Security Level 4.

What features of the vessel hull, equipment and cargo causes error on a vessel's standard magnetic compass?

- Permanent and induced magnetism found in steel or iron on-board. ✓
- Deviation and Variation.
- The change in the position of the magnetic pole causing annual changes in the variation.
- The continual changes of courses made by the vessel.

Code: TUWX The design features of a container ship with pronounced bow flare, a wide flat transom stern and wall sided amidships section contribute to:

- Parametric Rolling. ✓
- Large angles of heel with a large *GM*.
- Excessive pitching.
- The ability to shed water very quickly off the decks.

Code: EERA If whistles are fitted on a vessel at a distance apart of more than 100 metres, will manoeuvring and warning signals, as defined by rule 34 of the International regulations for Preventing Collisions at Sea, be given on one or both whistles?

- They shall be given on one whistle only. ✓
- They shall be given on both whistles simultaneously.
- Manoeuvring signals will be given only on the forward whistle; warning signals will be given on both whistles simultaneously.
- They shall first be given on the forward whistle, followed by the after whistle, with a 5 second interval in between.

When passage planning on *ECDIS*, which two functions should always be set correctly?

- Safety depth contour and safety depth value. ✓
- Course and speed of the vessel on each leg.
- Safety depth and *UKC* at a critical waypoint.
- Speed of the vessel and *ETA* to destination.

Code: CKII For how long time should a “*SARSAT COSPAS*” epi**rb** be able to operate on its batteries?

- 48 hours. ✓
- 96 hours.
- 12 hours.
- 24 hours.

Code: BCWJ What is the function of double stacking cones?

- To link adjacent container stacks together particularly those in line with buttresses. ✓
- To link out-of-gauge container stacks together.
- To lock adjacent container stacks together.
- To lock containers horizontally.

Code: NNPQ The responsibility for safety and security rests with everybody on board the vessel. General house-keeping rules should be followed. Which of the listed rules is the most important?

- Keep your working area clean and tidy. ✓
- Keep tools within easy reach during work.
- Do not carry lighters or matches when working outdoors.
- Always use gloves when using grinding machines.

Code: JHHH When a satellite receives a “*distress alert*” from a *Cospas-Sarsat EPIRB*, the relay of the “*distress alert*” can be delayed because the satellite cannot immediately contact a:

- LUT* before the satellite is actually seen by this ground station. ✓
- NCS* before the satellite is actually seen by this ground station.
- LES* before the satellite is actually seen by this ground station.
- Coast station.

Code: IDMA What would be the correct form of response to the question: What kind of assistance do you require?

- The correct form of response would be: My vessel has a fire in the accommodation and we require fire-fighting assistance. ✓
- The correct form of response would be: I need help on board with a fire and the smoke is very toxic.
- The correct form of response would be: I need help as soon as possible.
- The correct form of response would be: There is a fire onboard my vessel.

Code: VIBR Where shall shoreside fire-fighting personnel find necessary information to control a fire on board a cargo ship in an emergency situation?

- In the fire control plans or booklet that must be stored in a watertight prominently marked container outside the deck house. ✓
- Through the nearest Maritime Rescue Co-ordination Centre, who will get them from the ship's owner.
- The captain of the ship is the only person that may give such information.
- In the fire control plans or booklet that must be posted in a prominently marked localisation on the navigating bridge.

Code: VPRU Which action do you perform when you log in to a satellite ocean region?

- You inform the *NCS* that the *SES* is available for communications. ✓
- You update the ship's position.
- You adjust the antenna.
- You select the *CES* through which you wish to send a message.

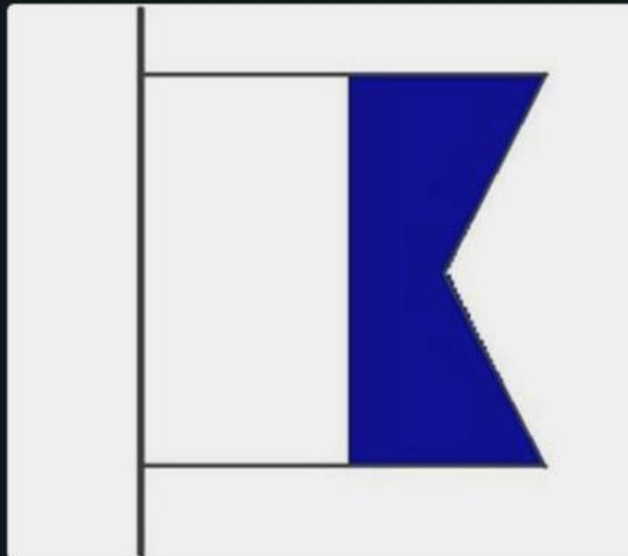
Code: JAMS What is the depth of an iceberg below the surface of the sea?

- The draught of an iceberg varies with the type of berg and its age. ✓
- The draught of an iceberg is normally about 3/4 of its total depth.
- The draught of an iceberg is about the same as the visible part of the iceberg above the water.
- The depth of an iceberg below the surface is always about one sixth of its total depth.

Which option correctly completes the following statement? When an *ECDIS* system is in *DR* mode:

- It is probably using the course and speed through the water for position update. ✓
- It stops working not showing the position on the screen or freezing the last position.
- The bridge team can rely on this trusted method of navigation.
- It is in normal operational mode.

Code: VFJG What does this flag mean?



- I have a diver down; keep well clear at slow speed. ✓
- My vessel is stopped and making no way through the water.
- Yes (*affirmative*).
- I wish to communicate with you.

Which publication should be used to assist learn the nautical English language?

- The (IMO) Standard Marine Communication Phrases (SMCP) booklet. ✓
- The (ICS) Bridge Procedures Guide.
- The Oxford Concise Dictionary.
- Standard Marine Navigational Vocabulary.

What is definition on clean ballast as per MARPOL Annex 1?

- Ballast with an oil content of less than 15 ppm. ✓
- Ballast with an oil content of less than 45 ppm.
- Ballast with an oil content of less than 1 %.
- There isn't any definition on clean ballast.

A container loaded onboard a vessel would be likely to experience a force of 100 % of its weight:

- When the ship is rolling. ✓
- When the ship is pitching.
- When the ship is rolling and pitching.
- When the ship is heaving.

Code: YHDN What colour flare is used to signal a safe landing place for small boats?

- Green. ✓
- Blue.
- Yellow.
- White.

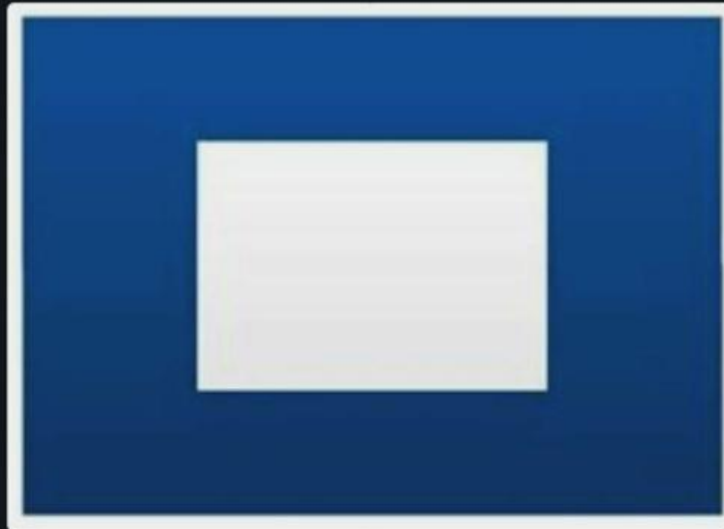
When navigating in restricted visibility, how can the *OOW* ensure that an effective watch is being maintained?

- All of the suggested answers. ✓
- Sound fog signal, have engine(s) available for manoeuvre.
- Continuously monitor radar, have extra lookout for sound as well as sight.
- Monitor the *AIS* target information and listen on radios.

On a ship involved in a collision, what should happen immediately after the accident has taken place?

- Crew should follow an emergency procedure. ✓
- The bridge team should devise a plan of action.
- The other ship should be contacted.
- The master should be called.

Code: **VKUF** What letter is represented by this flag and what is it's meaning when displayed by a vessel in port?



- P* – All persons should report on board as the vessel is about to proceed to sea. ✓
- P* – I require a pilot.
- W* – All persons should report onboard as the vessel is about to proceed to sea.
- S* – I am operating astern propulsion.

Code: DERP What kind of measure is the division of the vessel in upright areas by using thermic and structural separations?

- It is both a prevention and protection measure. ✓
- It is neither a prevention nor a protection measure.
- It is a protection measure.
- It is a prevention measure.

Code: SRBA On a container ship, the initial stresses generated during rolling are borne by:

- Lashing rods. ✓
- Container corner posts.
- Twistlocks.
- Container corner castings.

Code: HNXE You are on a power-driven vessel underway in open water. You sight these lights on the port bow, on a steady bearing. The distance is closing. What are you looking at and what action will you take in compliance with the International Regulations for Preventing Collision at Sea.

- This is a power-driven vessel engaged in towing, less than 50 *metres* in length, length of tow under 200 *metres* and the tow, both being restricted in their ability to manoeuvre, seen from the starboard side. Under rule 18, I am required to keep clear and will take appropriate avoiding action. ✓
- This is a power-driven vessel, more than 50 *metres* in length or less than 50 *metres* in length and showing a second masthead light, restricted in her ability to manoeuvre. The sidelight of a second vessel can be seen beyond her. Under rule 18, I am obliged to keep clear of the first vessel and will therefore take appropriate avoiding action.
- This is a power-driven vessel engaged in towing, more than 50 *metres* in length or less than 50 *metres* in length and showing a second masthead light, length of tow 200 *metres* or more, not under command. I will keep clear under rule 27.
- I don't know.

Code: GEFB The first time you send a *DSC* distress alert via the *HF*-band, you prefer the:

8 MHz band. ✓

12 MHz band.

16 MHz band.

22 MHz band.

Code: JFFG *MARPOL* – Annex V. Disposal of garbage outside “*Special Areas*”. After unpacking spares, you are left with a limited amount of packing materials. Is this prohibited, if not, what will be the nearest distance to land for disposal into the sea of these materials?

25 miles. ✓

12 miles.

3 miles.

This is prohibited.

Give the meaning of the following symbol:



Muster station. ✓

Muster station for unaccompanied minors (*UM*).

Muster station for families only.

Gathering place for embarkation formalities.

When steel reinforcing rods are loaded in open-top containers, claims against the vessel would most likely arise due to:

- Cargo staining by rust, hydraulic oil or grease.
- Container damages.
- Cargo being loaded less than the full height of the container.
- Physical damages to the cargo.

Code: DABD A distress-call, onboard via *RCC*, may only be given Receipt if:

- The *OOW* deems it necessary.
- The manager orders.
- OSC* from the *RCC* concerned invites the vessels.
- The captain orders.

Code: DFPX A fire bulkhead of the “*C*” class must be constructed of:

- Non-combustible material.
- Low flame spread material.
- Steel or equivalent material.
- Ignition resistant material.

Code: MTSB With reference to container ships, “*TEU*” refers to:

- Twenty foot equivalent unit.
- Truck transportable efficient unit.
- Twenty foot unit.
- Tonne effective unit.

Code: EVNT What is the correct setting of the “*Anti sea clutter*” control on the radar?

- A few sea returns remaining on the screen. ✓
- All of the suggested answers.
- A removal of all the sea returns down to about a mile from own ship.
- No sea returns left on the screen which may confuse with small target echoes near the ship.

Code: FSFA The relay of a distress-call by an *RCC* for coast-station begins with:

- MAYDAY* (3x). ✓
- PAN-PAN* (3x).
- MAYDAY RELAY* (3x).
- DISTRESS* (3x).

Code: MEOW Under the *IMDG Code*, a new “*Marine Pollutant*” label contains images of:

- A dead tree and dead fish. ✓
- Dead fish and dead sea birds.
- The letters “*PP*”.
- The letter “*P*”.

Code: JWHU *DSC* uses for automatic identification the *MMSI*. The identification 002442000 is assigned to:

- A coast-station or coast guard-station. ✓
- A group of vessels.
- A type of vessels.
- A vessel.

With a pilot ladder, the lowest spreader shall be the 5th step from the bottom. At what interval should there be further spreaders upwards on the ladder?

- At intervals not exceeding 12 steps. ✓
- At intervals not exceeding 15 steps.
- At intervals not exceeding 9 steps.
- It does not matter where the spreaders are fitted.

Code: KEGO This vessel is encountered at the mouth of a river. According to the International Regulations for Preventing Collisions and the illustrated shapes, what type of vessel is it?



- This is a vessel engaged in dredging or underwater operations. The two balls in a vertical line indicate the side on which an obstruction exists; the two diamonds in a vertical line indicate the side on which it is safe to pass; the ball/diamond/all in a vertical line indicate that the vessel is restricted in her ability to manoeuvre. ✓
- This is a vessel engaged in mine-clearance operations. The two balls in a vertical line indicate that it has a sweep mechanism deployed; the two diamonds in a vertical line indicate that the vessel should be given a clearance of at least 1 000 metres; the ball/diamond/ball indicate that the vessel is restricted in her ability to manoeuvre.
- This is a vessel engaged on port security duties. The two balls in a vertical line indicate that the port is closed; the two diamonds in a vertical line indicate that the port is engaged in mine-clearance operations; the ball/diamond/ball in a vertical line indicate that the vessel is restricted in her ability to manoeuvre.
- This is a vessel engaged in dredging or underwater operations. The two balls in a vertical line indicate the side on which it is safe to pass; the two diamonds in a vertical line indicate the side on which an obstruction exists; the ball/diamond/ball indicate that the vessel is restricted in her ability to manoeuvre.

Code: TWRH According to basic principles regarding fire protection the ship is to be divided in zones by structural and thermal boundaries (*SOLAS II-2/2.2.1*).

- In main vertical zones. ✓
- In main horizontal zones.
- In main zones according to utilization (Accommodation, Machinery, Cargo).
- Main Fire zones in accordance with the ship's fire-fighting system.

Code: KQDQ The prescribed periodic tests of the radio set must be entered in:

- Radio Log. ✓
- Equipment manual.
- Ship's deck log.
- Manual maritime radio communication.

Code: JFVP It is considered essential that container ships should have a large ballast capacity and high powered ballast pumps, because:

- These are required for trimming the ships and offsetting longitudinal bending moments. ✓
- These are essential to retain the vessel within the International loadline requirements.
- These are required to load ballast during discharge.
- These are necessary to keep the vessel upright during the loaded passage.

Code: BCWJ The function of double stacking cones on container vessels is:

- To link adjacent container stacks together particularly those in line with buttresses. ✓
- To link out-of-gauge container stacks together.
- To lock adjacent container stacks together.
- To lock containers horizontally.

Which option best describes what target fusion is on an *ECDIS*?

- Bringing together a displayed radar return and *AIS* target. ✓
- The discrepancy between radar and *AIS* displayed positions.
- When two adjacent *AIS* targets come together.
- When a target's *AIS* signal has a large error on it.

Code: LBGX The recommended connection between antenna and *VHF* is:

- Coaxial cable. ✓
- Electric cable.
- Band cable.
- Three vein cable.

Code: XNIP After confirmation that there is no other radio-traffic, we call on a *VHF* working channel of a coast-station. When you don't get any reply:

- You must wait 3 *minute* minimum before repeating your call. ✓
- You must wait 5 *minutes* before repeating the call.
- You can repeat your call immediately.
- You must wait 1 *minute* minimum before repeating your call.

Code: KTXA If Mouth-to-Mouth (*M-T-M*) ventilation by itself is unsuccessful and the casualty's heart stops, or has stopped beating, you must perform External Chest Compression (*ECC*) in conjunction with *M-T-M*. When performing *ECC*, where do you place your hand on the casualty's body?

- Place the heel of one hand, two finger breadths above the bottom of breastbone. Cover the hand with the heel of the other hand. ✓
- Place the heel of your two hands on the top of the breastbone.
- The correct position of your hands are of no importance.
- Place the heel of your hand on the top of the heart position. Cover the hand with the heel of the other hand.

Code: IVPP What is the purpose of the *ODME (Oil Discharge Monitoring Equipment)* printer?

- To prove that oil has been pumped overboard according to regulations. ✓
- To prove that the *ODME* system has been used.
- To prove fault conditions in the *ODME*.
- None of the mentioned.

Code: IHKR Which of these are indicators that an individual may be a drug smuggler?

- The individual wears bulky or out of season clothing. ✓
- The individual spends his or her free time hanging out with others.
- The individual makes small local purchases.
- The individual is disinterested in the ship's cargo.

Code: IELO This device can detect a package of drugs inside a large delivery of ship's stores. What is it?



- Pallet scanner. ✓
- Vapour detector.
- Access control system.
- Security container.

Code: NVCD What do crew, visitors and contractors all have in common?

- They all have opportunity to smuggle drugs. ✓
- They're all onboard the ship for the duration of its voyage.
- They're all trained in ship emergency procedures.
- They're all employees of the ship.

Code: SWFO When handling drugs:

- Wear skin protection and a facemask. ✓
- Shut off the ventilation in the room where the drugs are being stored to ensure any vapours or fumes do not spread to other parts of the ship.
- Test out the potency of the drug.
- Briefly inhale powders, fumes or vapours to verify the substance is a drug.

Code: KQSM Which routine procedures should be carried out before cold work commences?

- Carry out procedures to instructions for cold work including filling in forms and having them signed. ✓
- Sound the general alarm.
- Have a breathing apparatus standing by.
- Sound the general alarm and carry out procedures to instructions for cold work including filling in forms and having them signed.

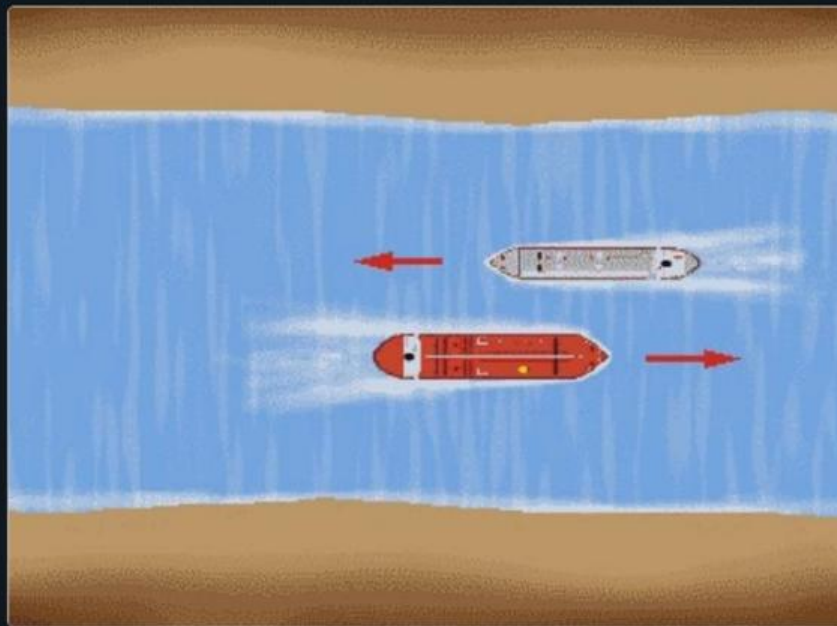
What immediate action should be taken if a ship unexpectedly runs aground and stops?

- Stop engine(s). ✓
- Hoist two black balls.
- Sound the General Alarm.
- Ring full astern.

Code: TLNN In which publication will you find the working frequencies of coast stations?

- The *ITU* List of coast stations. ✓
- The *ITU* List of Call signs and Numerical Identities of Stations used by the maritime mobile and maritime mobile-satellite services.
- The *ITU* List of Ship Stations.
- The *ITU* List of Radiodetermination and Special Services.

Code: SBVS Two ships travelling in opposite directions are to pass each other in a narrow river, as illustrated. Explain what is likely to happen as they pass each other?



- Due to interaction, the bows will repel each other, and then when alongside each other the two ships will be sucked together and finally the sterns will be repelled as they start to pass clear. ✓
- Due to interaction, the bows will attract each other as they approach, then they will repel each other alongside and as they pass clear, the sterns will be attracted.
- As they approach, rudder should be applied quickly to avoid sheering into the path of each other. Then as they are alongside they will be attracted and finally repel each other as they pass clear.
- There will be very little effect between the two ships as they pass.

Can anything be done on a vessel with forward speed, to reduce the change in heading caused by a right hand fixed pitch propeller being put astern?

- The rudder should be put hard to starboard to reduce the water flow to the left side of the propeller. ✓
- No, the rudder should be kept amidships when going astern and there is little that can be done to reduce the swing to starboard.
- The rudder can be cycled from side to side.
- Yes, the rudder can be put to port.

Code: PHLT With an *Inmarsat-C* terminal the option *PSTN* fir addressing is available. This option:

- Is to deliver a message by telephone via a modem on the computer of the subscriber. ✓
- Delivers the message as a fax.
- Have the operator read the message by phone.
- Delivers a message as a telegram.

Code: OAKO Container ships without hatch covers are deemed to comply with the International Convention on Load line Rules after:

- An International Load Line Exemption certificate is issued in accordance to Article 6. ✓
- A special movable deck is fitted to ensure watertight integrity.
- Water tight integrity is demonstrated by using portable covers for hatch openings.
- A spare set of portable hatch covers has been placed on board, for use during rough weather only.

Code: ULVF Once a ship (equipped with self-stowing auto-tension winches) is moored alongside a loading or discharging berth, it is recommended that:

- All winches to be left with the manual brake on and out of gear. ✓
- The "spring" winches be left in the auto-tension mode and all other winches with the manual brake on.
- All mooring winches be left in "auto-tension" mode.
- The "breastline" and "headline" winches be left in the auto-tension mode and spring winches with manual brake on.

Who can contact the Designated Person with their safety concerns?

- All crewmembers. ✓
- The company's shore staff only.
- Senior officer only.
- The Master only.

The relieving watchkeeper arrives on the bridge and is not in a fit state to take over the watch, what should the present watchkeeper do?

- Not hand over the watch and inform the vessel master. ✓
- Hand over the watch as normal.
- Hand over the watch as normal but ask the lookout to keep an eye on the relieving watchkeeper.
- Hand over the watch and then go down and tell the vessel master what has happened.

Code: SGBB Which fire-fighting equipment is most efficient and with least side effects in case of a large fire in the engine room?

- Central gas extinguishing system and/or waterfog. ✓
- Sprinkler system.
- Powder extinguishing system.
- Central foam-extinguishing system.

Code: KSGK Which of the following two digits codes is used to obtain medical advice?

- 32. ✓
- 38.
- 26.
- 42.

Code: HDOT Which of the following two digits codes is used to obtain medical assistance?

- 38. ✓
- 32.
- 26.
- 42.

Code: MMGB Which of the following two digits codes is used to obtain maritime assistance?

39. ✓

32.

26.

42.

Code: NAKT Twist locks are preferred over cone-based lashings systems on container vessels because:

Cone-based lashing systems are more prone to failure than twistlocks. ✓

Cargo securing manuals do not allow for cone-based lashing systems.

Cone-based lashing systems are not type-approved by classification societies.

Twistlocks provide uplift resistance as well as horizontal restraint, helping to prevent containers from falling overboard in heavy weather.

Code: LAYN You wish to carry out a test transmission on your radio equipment. What precautions should be taken if any?

All of the items in the other alternatives should be done. ✓

Listen out to ensure that no safety/distress traffic is in progress.

Test transmission should be kept to a minimum.

Test transmission should be carried out on artificial aerials and/or reduced power.

Which option correctly completes the following statement? A position filter on a navigational receiver or *ECDIS* system, protects the *ECDIS* from:

Showing a fluctuating position of the vessel. ✓

Operating under conditions that are extreme e. g. cyclones.

Airborne dust in sandy areas of the world.

Incorrectly set up *ECDIS* system software.

Code: AQAM What quantity of reserve fuel is to be available for diesel driven fire pumps outside of the main machinery space? (*SOLAS II-2/4.3.3.2.4*).

Sufficient amount of 15 hours operation at full capacity. ✓

Sufficient amount of 6 hours operation at full capacity.

20 litres.

40 litres.

After 2006, the *IMDG* Code labels for Class 5.2 (Organic Peroxides) are assigned colours:

- Yellow and red. ✓
- Yellow and purple.
- Yellow and green.
- Green and red.

Code: DWBD The limitations of a Cargo Securing Manual of a container vessel may include the fact that:

- They are drafted whilst the ship is still under construction and need to be checked against the ship's "as completed" condition in order to be fully reliable. ✓
- Some Cargo Securing Manuals cover a full range of sister ships.
- Cargo securing arrangements in the manuals may be unsuitable for heavy weather conditions.
- They are not always approved by a classification society.

Code: TAIP What is the period of validity of the Safety Management Certificate?

- 5 years. ✓
- 2 years.
- 1 year.
- 6 months.

Code: FJMV What are the ideal conditions required to satisfactorily conduct an Inclining Experiment?

- All of the suggested answers. ✓
- All derricks lowered and no moving items on deck and in store rooms.
- Minimum ballast and bunkers on board and all tanks pressed up.
- Moorings slack, head wind, minimum people on board.

Code: SGYJ Which among the following list is particularly required for a totally enclosed lifeboat?

- Windows on both sides can be closed watertight and opened for ventilation. ✓
- Self-bailing arrangements.
- Handrails inside for persons moving to their seats.
- Hatches positioned so as to allow launching and recovery operations to be performed without any occupant having to leave the enclosure.

Code: PUYV What actions should the Officer of the Watch take when the ship's steering gear fails?

- All of the suggested answers. ✓
- Request the engine room to check the steering gear.
- Call the Master and advise him of the situation.
- Display the *NUC* signal and consider stopping the engines.

Code: NMES When forces on a container stow are being calculated, the motion that is not accounted for is:

- Surging. ✓
- Rolling.
- Pitching.
- Heaving.

Code: XQMM Which muscle is the most persevering one in the body?

- The heart. ✓
- The liver.
- The lungs.
- None of the mentioned.

Code: CLUY Is the location of a vessel's standard compass binnacle critical?

- Yes, for the reasons stated in all of the suggested answers. ✓
- Yes, it should be on the fore and aft centreline of the ship.
- Yes, it should be sited on a non-metallic base if possible.
- Yes, it should be away from major electrical power cables.

Code: CIUL How often must inspection of proper working of the *EPIRB*'s and *SART*'s take place on board? Once per:

- Month. ✓
- Week.
- Every day.
- 14 days.

Code: QBHO What is the disadvantage of using chemicals on an oil-spill on the water?

- The chemicals make it difficult to remove the oil from the water. ✓
- It is difficult to apply the chemicals if the oil drifts away from the ship's side.
- It is difficult to apply chemicals if there is any wind.
- The water gets a white colour, which makes it easy to detect the oil-spill.

Code: OAJW What could be the reason for the magnetic compass to swing through large angles when the ship is rolling in a seaway?

- The heeling error magnets are upside down and/or not in the correct position. ✓
- The error due to deviation is large for that ship's heading.
- The Coefficient *B* determined by the Compass Corrector at the last dry-dock was not correctly calculated.
- The induced magnetism from the earth's magnetic field is very strong in that area.

Code: BKNU Onboard the following message is received on the *DSC* controller: *DOO: 245329000 CH16; S distress ack 244123000*. What station sent the distress acknowledgement?

- 245329000. ✓
- 244123000.
- 002453290.
- None of the given.

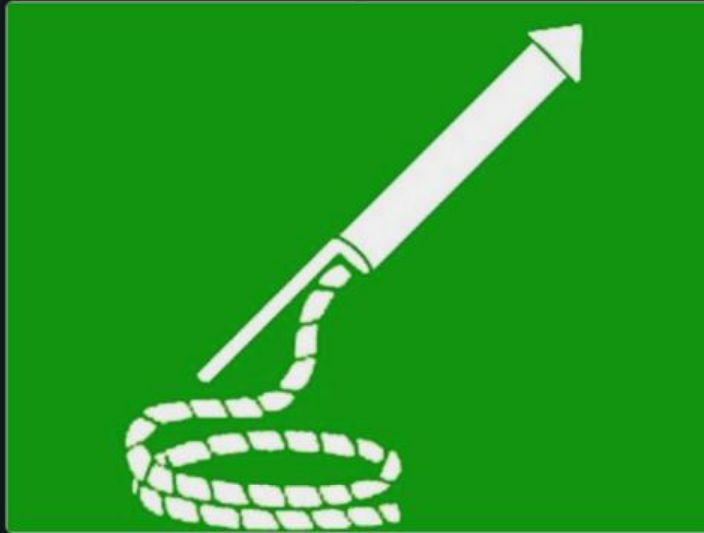
What sound signal can be made when nearing a bend in a river, with the view around the bend obscured by an intervening obstruction?

- Two prolonged blasts. ✓
- Two short blasts.
- One prolonged blast.
- One short blast.

Code: WHNY One can check the functioning of the *SART* by:

- Activating the *SART* and checking the effect on the radar screen. ✓
- Removing it from the holder and turning the *SART* upside down.
- Activating it by extracting the antenna.
- Lowering *SART* in to the sea.

Code: JHKS What is the meaning of this symbol?



- Line-throwing appliance. ✓
- Survival craft pyrotechnic distress signals.
- Rocket parachute flares.
- Radar transponder.

Code: BBDF Give the meaning of the following symbol:



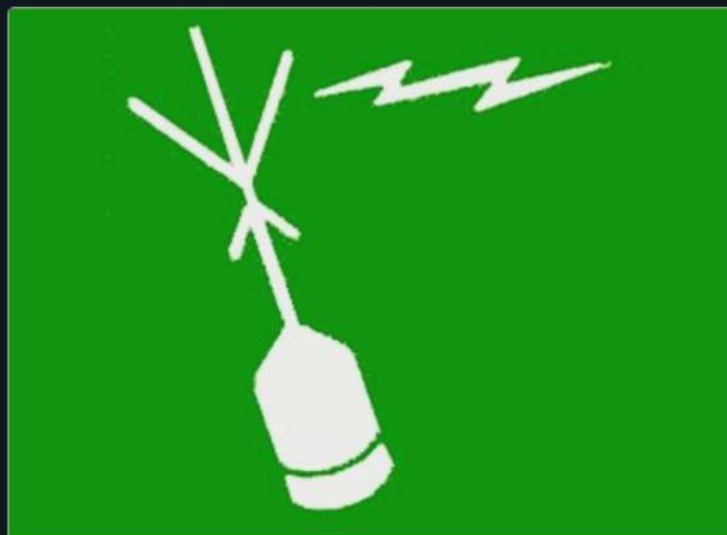
- Release gripes. ✓
- Davit launched lifeboat.
- Davit launched rescue boat.
- Release falls.

Code: ACAJ Give the meaning of the following symbol:



- Secure hatches. ✓
- Close rescue boat ventilation aperture.
- Open hatches.
- Secure doors in the ship's side plating.

Give the meaning of the following symbol:



- EPIRB. ✓
- Rocket parachute flare.
- Survival craft portable radio.
- Survival craft distress pyrotechnic signals.

Code: EMRE What is the meaning of this symbol?



- Lifejacket. ✓
- Child's lifejacket.
- Lifebuoy.
- Immersion suit.

Code: FTEC Identify this symbol:

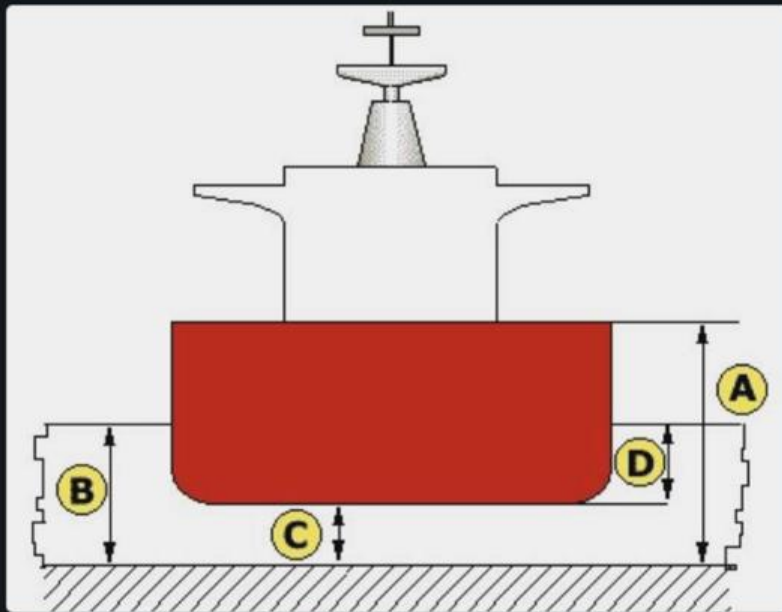


- Emergency generator. ✓
- Inert gas installation.
- Escape gate.
- Fire glass door.

Code: VQLA A hand flare must have a burning period of at least:

- 1 min. ✓
- 30 sec.
- 10 min.
- 5 min.

Code: SMXY What is "UNDER KEEL CLEARANCE", in the figure?



- Under Keel Clearance is indicated by C, in the figure. ✓
- Under Keel Clearance is indicated by A, in the figure.
- Under Keel Clearance is indicated by B, in the figure.
- Under Keel Clearance is indicated by D, in the figure.

The Officer in charge of the bridge watch, is often referred to as the OOW. What does OOW actually stand for?

- Officer of the Watch. ✓
- On official watch.
- Operator of the watch.
- On official watchkeeping.

Code: FNDY Warning signs that require a specific mandatory action e. g. wearing of a safety harness during a particular work task, must have their background colour as:

- Blue
- Green.
- Red.
- Yellow.

Code: HEWR Declaring a dangerous cargo as Class 3 (Sub risk Class 6) would indicate that:

- The main hazard is flammability and the secondary hazard toxicity.
- The secondary hazards are flammability and toxicity.
- The main hazard is toxicity and the secondary hazard flammability.
- The main hazards are flammability and toxicity.

Code: ICLC When steel reinforcing rods are loaded in open-top containers, claims against the vessel would most likely arise due to:

- Cargo staining by rust, hydraulic oil or grease.
- Physical damages to the cargo.
- Cargo being loaded less than the full height of the container.
- Container damages.

Code: BEPR What facility exists under the *ISM* Code for the provision of individual control measures for specific work-related tasks?

- The Permit to Work system.
- The definition of supervisory responsibilities.
- The due diligence clause.
- The documentation of individual job descriptions.

Code: UAAG In the Beaufort Scale of Wind Force, what is the Beaufort number associated with the wind force known as a "Gale"? This should not be confused with a "Near Gale" or "Strong Gale"?

- Eight (8).
- Nine (9).
- Seven (7).
- Ten (10).

Code: OXAN What sound signal shall be used on ship's whistle when there is a man overboard?

- 3 long blasts repeatedly. ✓
- 6 long blasts repeatedly.
- 5 long blasts repeatedly.
- 4 long blasts repeatedly.

Code: LUEN The main movements experienced by a container ship, which will create the largest forces exerted on the container frames and lashings, are:

- Rolling, Pitching and Heaving. ✓
- Rolling, Swaying and Yawing.
- Surging, Yawing and Rolling.
- Rolling, Heaving and Swaying.

Code: IWWB What is the ideal humidity in a working environment?

- 40-60 %. ✓
- 10-30 %.
- 103-119 %.
- 70-85 %.

Of what use to the coastal navigator is a predictive vector seen on the chart display of an *ECDIS*?

- It is used to assess the relative approach of target vessels. ✓
- To protect the vessel from grounding.
- To see how the vessel can be stopped in an emergency.
- It is used to assess an anti-collision manoeuvre.

Code: TPLC The accuracy of an *Inmarsat-E* positioning-system is:

- 200 meters. ✓
- 20 meters.
- 5 miles.
- 20 miles.

When passage planning with *ECDIS* what level of detail should be displayed?

- It is best to set "All" level of detail to assist with planning. ✓
- A "Standard" display is acceptable as this is required by *IMO*.
- A "Base" display is acceptable as all chart objects are visible.
- If the chart compilation scale is set correctly then all detail will be seen.

Code: APLT You are starting to get low on water in the lifeboat. What should you do?

- Collect rain water. ✓
- Mix sea water with 50 % fresh water.
- Drink urine.
- Use sea water.

Code: LYRB How can an azimuth or bearing be indicated by signal flags?

- The letter *A* + three numerals. ✓
- The letter *N* + three numerals.
- The letter *B* + three numerals.
- The letter *A* + three numerals + the letter *R* or *T*.

Code: CONY A satellite receives the transmissions of the 406 MHz *Cospas-Sarsat EPIRB*. The transmissions of the *EPIRB* will be:

- Always passed on to a *LUT*. ✓
- Exclusively passed on to a *LUT* if the satellite sees both the *EPIRB* and the *LUT*.
- Exclusively passed on to a *LUT* only between 70° N and 70° S.
- Passed when the satellite is passing the equator.

Code: GWCT A ship moving through heavy seas is affected by the water pressure at the bows causing an effect known as "*Panting*". What structure in the forward region of the ship combats the effects of Panting?

- Panting beams and stringers. ✓
- Double bottom tanks and floors.
- Centreline bulkhead.
- Collision bulkhead and deck.

Code: NJMP Which of these actions should crew take if a suspicious object that may be a bomb is located during a search?

- Confirm with their search partner that the object found is suspicious. ✓
- Place the object in a desk drawer or file cabinet.
- Throw the object overboard.
- Cover the suspicious object with a box or blanket.

Code: PWEN Operator connected *R/T* calls are charged:

- On the basis of a three minute minimum charge with one minute incremental steps. ✓
- On the basis of a six second minimum charge with one second incremental steps.
- On the basis of a six second minimum charge with six second incremental steps.
- On the basis of a one minute minimum charge with one minute incremental steps.

With a relative motion radar display, what would an echo of a target with no trail indicate? Note that this is a target trail, not a vector?

- The target is on the same course and speed as own ship. ✓
- The target is on a constant bearing and getting closer to own ship.
- The target is on a collision course with own ship.
- The target is stopped and making no way through the water.

Code: UKSI What would be understood by the message "*A yacht has capsized in heavy seas*"?

- The message means the yacht has been overturned in heavy seas. ✓
- The message means the vessel is taking in water.
- The message means the vessel is experiencing heavy seas and may need assistance.
- The message means the yacht has lost its Captain in heavy seas.

Code: MNID On a Container vessel, with regard to the *IMDG* Code what do Calcium Oxide (UN No. 1910), Magnetized Material (UN No. 2807), Sodium Aluminate (UN No. 2812) and Battery Powered Equipment (UN No. 3171) have in common?

- They are not subject to the provisions of the *IMDG* Code but may be subject to provisions governing the transport of dangerous goods by other modes.
- Required to be shipped in open top containers, due to their special characteristics.
- Listed as Corrosive Substances – *IMDG* Class 8.
- Not listed in the *IMDG* Code.

Code: FXGK “RECEIVED MAYDAY” is used in a:

- Receipt of a distress alert.
- When received a weather report.
- Supplementary receipt on a distress alert.
- Distress alert.

Code: VIMQ When you join a new ship, how are you informed about safety rules, alarm instructions and your own duties in case of an emergency?

- By muster lists exhibited in conspicuous places.
- By alarm instructions in all crew cabins.
- By oral instructions by the Captain.
- By folder distributed to each crewmember.

Code: AFQY What is the weather associated with being in the centre of an Anticyclone (a region of High Pressure)?

- Light winds and fair weather, sometimes fog.
- Strong winds but with very little rain.
- Persistent rain and very humid weather.
- Strong winds and heavy rain.

Code: POSK What are class "C" bulkheads?

- Bulkheads constructed of approved non-combustible materials but do not meet any of the requirements relative to smoke and flame nor limitations relative to temperature rise. ✓
- Bulkheads constructed of approved non-combustible materials that can withstand the standard fire test for 45 minutes.
- Bulkheads constructed of approved non-combustible materials that can withstand the standard fire test for 15 minutes.
- Bulkheads constructed of approved non-combustible materials that can withstand the standard fire test for 30 minutes.

Is it safe to carry a bag of tools in your hand, up a vertical ladder? Select the best option:

- No it is not – two hands should always be used to climb the ladder. ✓
- Yes it is – provided three points of contact are maintained.
- Yes it is – provided the ship is not rolling too badly.
- Yes it is – provided that the carrying hand is wrapped around the ladder.

Code: FSFA The relay of a distress-call by an RCC for coast-station begins with:

- MAYDAY (3x). ✓
- PAN-PAN (3x).
- MAYDAY RELAY (3x).
- DISTRESS (3x).

Code: KRVT Which of the following is a Accounting Authority Identification Code?

- FR01. ✓
- 227990850.
- 2 187,5.
- F1B.

Code: CHQA The proper operation of an *Inmarsat-C* terminal can be tested by:

- Doing a "link test". ✓
- Sending a message to MF DSC.
- Doing a "recommissioning test".
- Requesting a "self test".

What are the main advantages to the *Navstar*, *Glonas* and *Galileo* satellite navigation systems?

- These satellite systems give world-wide coverage 24 hours a day. ✓
- They are all made specifically for ships and marine operations.
- If a vessel uses any one of them, there is no need to practice other forms of navigation.
- Satellite navigation systems also give information about weather and wave conditions.

Code: ACBX Why shall a duly qualified officer supervise any potential polluting operation?

- To avoid pollution. ✓
- To relieve the master.
- To inform the authorities.
- To restrict pollution.

During carriage in containers, if cashew nut shell liquid has been noted to spill out, the ships staff should:

- Avoid skin contact and inhalation of toxic fumes. ✓
- Approach the container wearing a chemical protection suit.
- Cool the container with water spray from as far away as possible.
- Clean up the spillage wearing rubber boots and safety gloves.

Code: NOIR EGC is short for:

- Enhanced Group Call. ✓
- Emergency General Ship Call.
- Exchange Geographic Call.
- Exchange Group Call.

Which option correctly identifies the meaning of the abbreviation ZOC, in relation to *ECDIS*?

- Zone of Confidence. ✓
- Zone of Confusion.
- Zone of Communications.
- Zero on Carbon.

Code: STQR What name is given to the inspection and measurements at the end of a bulk carrier's loading operation, that determines the weight of cargo lifted based on the observed draughts, any list, hog or sag, the dock water density and the calculation of ballast and consumables on the vessel?

- Draught Survey. ✓
- Load Survey.
- Port Measurement.
- Departure Survey.

Code: ABEN A rocket parachute flare reaches an altitude of:

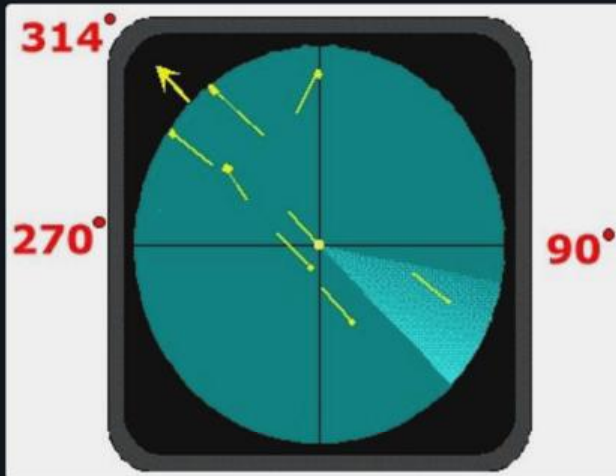


- Not less than 180 m. ✓
- Not less than 450 m.
- Not less than 300 m.
- Not less than 40 m.

Code: JDTO Which equipment will detect a signal from a *SART* transponder?

- S band radar. ✓
- Radio Direction Finder.
- X band radar.
- DSC receiver.

Code: ENCD The ship is navigating in dense fog where the visibility is less than one mile. The Arpa radar is set on a range 12 *miles* on a course of 314° and own ship has a vector as shown. What is the vector mode selected on the Arpa?



- True vectors. ✓
- Relative vectors.
- Relative vectors, sea stabilised.
- Relative vectors, ground stabilised.

Code: UGQS When should operational checks on navigation equipment be done?

- When preparing for sea and entering port and at regular intervals during the voyage. ✓
- When there is an opportunity and time allows.
- When there is any suspicion of a fault with the equipment.
- As often as possible.

Code: PPYD *Inmarsat* Telex Service code "31" can be used:

- To ask for maritime inquiries. ✓
- To ask for medical assistance.
- When technical problems are experienced with the *Inmarsat* terminal.
- When the coast-station is dysfunctional.

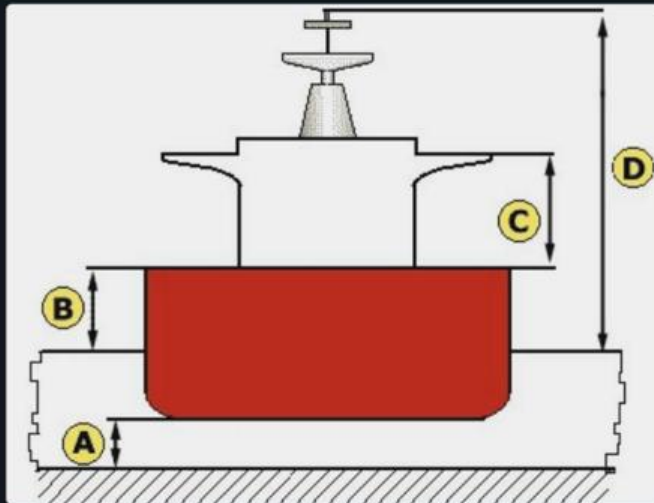
Code: ANXC When a fire breaks out in the engine room, who is in charge of the fire-fighting operations?

- The Chief Engineer. ✓
- The Captain.
- The engineer on duty.
- The first person to arrive at the scene.

Code: PUUL Which type of call will be sent by a ship adrift and needing the assistance of a tug? The weather is not bad and the ship will be aground 24 hours later.

- Urgent call. ✓
- Distress relay call.
- Safety call.
- Distress call.

Code: EBWH What is "FREEBOARD", in the figure?



- Freeboard is indicated by B, in the figure. ✓
- Freeboard is indicated by A, in the figure.
- Freeboard is indicated by C, in the figure.
- Freeboard is indicated by D, in the figure.

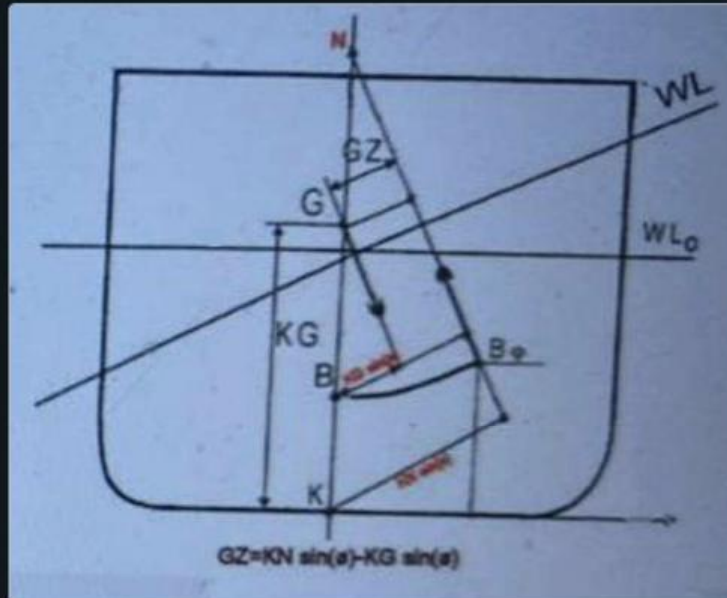
A cargo of explosives carried in containers needs maximum protection against:

- Lightning strikes. ✓
- Toxic gases.
- Corrosives.
- Other explosives in the vicinity.

Code: XLBJ What is the main theme of modern safety practice?

- Making use of Risk Assessment as a means to improving safety. ✓
- Health & Safety at Work Act.
- Consult the chief officer before commencing work.
- Use the same practice that has been in place for some time.

Code: HCFX How can an approximate value of the initial transverse Metacentric Height (GM) be found from the Curve of Statical Stability (GZ curve)?



- Drawing a tangent to the curve through the origin and erecting a perpendicular through the angle of heel of 57,3 degrees.
- Drawing a tangent from the highest point of the curve to the X axis and measuring it in metres.
- The value in metres from the X of the point where the curve changes from concave to convex shape.
- It is impossible to establish the GM value from the curve of righting levers (GM).

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What can be a cause of error observed on a gyro compass reading?

- Fluctuations in the magnetism around the compass.
- Incorrectly set latitude and speed values.
- Incorrectly set heading and speed values.
- Large values of variation caused by the gyro pole.

Code: VNNX You wish to send a *DSC*-message because of a m. o. b. situation and assistance by other ships is required. You have to choose the category:

Distress

Urgency.

Individual.

Safety.

Code: BFXK What are the required data inputs into most gyro compasses to reduce any possible compass error?

Latitude and Speed

All of the data in the suggested answers.

Maximum helm angle and rolling period.

Deviation and Variation.

Code: YOWU Under *ISM*, what is a “non-conformity”?

An observed situation where objective evidence indicates the non-fulfilment of a specified requirement

Official log book entries not being completed correctly.

The wearing of non-standard Personal protective equipment.

A safety officer not being nominated for the vessel.

Code: CRBD If a distress signal is received on board your ship, what should be the first action that should be taken?

Attempt to establish contact with the distressed vessel.

Contact SAR Authorities via nearest coastal Radio station.

Determine how close your vessel is to the distressed vessel.

Determine if anyone else has heard the distress signal and if your vessel is near the distress.

If a *DSC* distress alert is received on board your ship, what is the first action that should be taken?

- Listen for a distress message on the appropriate radio frequency for 5 *minutes*.
- Contact SAR Authorities via nearest coast Radio station.
- Determine how close your vessel is to the distressed vessel.
- Immediately answer the distress message on the correct radio frequency.

If a twist lock is found cracked at the base, it should be:

- Removed from service.
- Use only in the lowest tier on deck.
- Repaired on board and put back into service.
- Use only to lock under-deck container stows.

Code: VJGX The fire integrity of any bulkhead shall be maintained:

- At the openings and penetrations.
- Up to 5 *meters* above the deck level.
- Up to 5 *meters* below the deck level.
- Only at the continuous/solid part of the bulkhead.

"Parametric Rollin" on a container ship results in:

- The sudden unexpected occurrence of large rolling angles in beam seas.
- The gradual build up of rolling angle in a head sea.
- The unexpected roll to a large angle of heel due to a beam sea.
- A large unstable roll motion suddenly occurring in head or stern seas.

Code: ENJG How is the activation of any detector or manually operated call point of fixed fire-detection and fire-alarm systems to be indicated? (SOLAS II-2/13.1.4).

- By visual and audible signal at the control panel and indicating units.
- By alarm signals at the bridge and engine room control panels.
- By sounding the ship's fire alarm signal in crew accommodation and service spaces.
- By all the indication methods listed.

Where is the theoretical position of the hydrodynamic pivot point located on a vessel proceeding ahead with a small turn rate?

- At about 1/3 of the vessel's length from the stern. ✓
- At about 1/3 of the vessel's length from the bow.
- At a position near the stern of the vessel.
- At amidships.

Code: ICLC When steel reinforcing rods are loaded in open-top containers, claims against the vessel would most likely arise due to:

- Cargo staining by rust, hydraulic oil or grease. ✓
- Cargo being loaded less than the full height of the container.
- Physical damages to the cargo.
- Container damages.

Code: OGNG The receipt of a distress alert is to be pronounced as followed:

- Mayday (1x), call-sign of ship in distress (3x) / this is / own call-sign (3x) / received mayday. ✓
- Mayday (3x) / this is / own call-sign (1x) / received mayday / call-sign of ship in distress (1x).
- Mayday (1x) / this is / own call-sign (3x) received mayday.
- Mayday (1x) / distress alert / own ship call sign.

That the 406 MHz Cospas-Sarsat EPIRB is in proper working order can be tested with:

- The testing function of the device. ✓
- Regulation monthly test transmissions from RCC's.
- Test transmissions from Cospas-Sarsat satellites.
- Requesting RCC for the test.

Code: PODI Notification logging procedures (OPA-90):

- Every report or message must be logged including time and date. ✓
- Only verbal reports for documentation.
- Only communication with USCG.
- Only initial reports to be logged.

Code: OQOS At what minimum height above sea level a SART transponder must be mounted?

- 1 metre. ✓
- 2 metres.
- 0,5 metre.
- The good working of a SART transponder doesn't depend on the height above sea level.

Code: JFVP It is considered essential that container ships should have a large ballast capacity and high powered ballast pumps, because:

- These are required for trimming the ships and offsetting longitudinal bending moments. ✓
- These are required to load ballast during discharge.
- These are necessary to keep the vessel upright during the loaded passage.
- These are essential to retain the vessel within the International loadline requirements.

Code: MMMU If your vessel is fitted with wires on self-stowing "split drum" winches, the advantage of having these split drum winches is:

- All the listed alternatives. ✓
- Increased brake holding capacity due to the ability to keep the paid out wire in a single layer on the drum.
- Less chance of the wire being jammed in the reel.
- No crushing of the wire.

Code: OVHR Shock is a manifestation of changes in which the circulation fails because either pressure or volume of circulating blood has fallen to a dangerous level. What is the skin colour of a patient in shock?

- Pale or grey. ✓
- Green or purple.
- Dark blue.
- Light blue.

Code: CJNM What is the shortest distance between two points on the surface of the earth?

- Great Circle. ✓
- Rhumb line.
- Small circle.
- Composite great circle.

Code: PEVT As per the *IMDG Code*, Readily Combustible Fibres are defined as:

- Fibres, powdered, granular, or pasty substances which are dangerous if easily ignited by brief contact with an ignition source and if the flame spreads rapidly. ✓
- Fibres, powdered, granular, or pasty substances that are capable of self-heating.
- Any solid that is capable of self-ignition.
- A substance that will heat up and ignite due to the ignition of another substance.

Code: WEGK The transmitting receiving method, when both stations can transmit and receive at the same time is called:

- Duplex. ✓
- Simplex.
- Semi-duplex.
- None of the mentioned.

Code: XVIM Abdominal Thrust is the name on a technique which involves applying a series of thrusts to the upper abdomen in an attempt to force air out of a choking casualty's lungs. How to perform this technique?

- Stand behind the casualty. Clench your fist with the thumb inwards in the center of upper abdomen. Grasp your fist with your other hand and pull quickly inwards. ✓
- Remove the obstruction and restore normal breathing.
- Lay casualty on a hard surface, e. g. deck, and press firmly and rapidly on the middle of the lower half of the breast bone.
- Let the casualty grab a list and hang up right down for a period of minimum 5 *minutes*.

Code: UYAE What would you call the wreckage of a yacht floating in the sea?

- Flotsam. ✓
- Pollution.
- Garbage.
- Debris.

Code: IFXF The best way to identify an *IED* is to:

- An *IED* can look like any object, which is why it is important that crew who are the most familiar with different areas search for them. ✓
- Shake the object.
- Weight the object. If the object's weights more than normal, it should be suspected to be an *IED*.
- Measure the size of the object.

What signal, if any, is specified in *SOLAS* as the "*Abandon ship*" signal?

- 6 short blasts followed by 1 long blast. ✓
- 7 short blasts followed by 1 long blast.
- 4 long blasts.
- The "*Abandon ship*" signal is not specified, only the general emergency alarm signal is stated.

Code: DIXD The first tier of under-deck containers, on a non-cellular container vessel, are usually loaded:

- Onto dunnage laid fore and aft over the tank top. ✓
- Onto dunnage laid athwartships over the tank top.
- Directly onto the tank top.
- Onto dunnage laid directly under the container's bottom rails.

Code: QRAX Which of the following statements is incorrect with regard to *IMDG* Class 2 cargoes?

- These goods need to be stowed in a protected location. ✓
- These goods require protection from heat.
- These goods require protection against the accumulation of dangerous vapours.
- These goods require protection against moisture.

Code: STLM Welding and burning are among the factors which give the highest risk of fire on board ships. Precaution has to be taken to avoid this risk. Which of the following safety rules may be regarded as the most important?

- The welder shall have been instructed in the use of the ship's welding plant. ✓
- Only use electrodes from a well-known manufacturer.
- Only holders of welding certificates shall be allowed to carry out welding on board ships.
- Electric welding plants shall be controlled by a responsible engineer before use.

Code: SBCM Distress *MF* communications should normally be operated:

- In *J3E* mode – on simplex basis. ✓
- In *J3E* mode – on duplex basis.
- In *G3E* mode – on duplex basis.
- In *G3E* mode – on simplex basis.

Code: UNAE Which of the following answers would most appropriately describe shell plating damage to the vessel?

- My vessel has sustained damage to shell plating below the waterline in way of No. 3 cargo hold, starboard side. ✓
- My vessel has sustained damage to shell plating in way of No. 3 cargo hold.
- My vessel has sustained damage to shell plating below the waterline.
- My vessel has sustained damage to shell plating above the waterline.

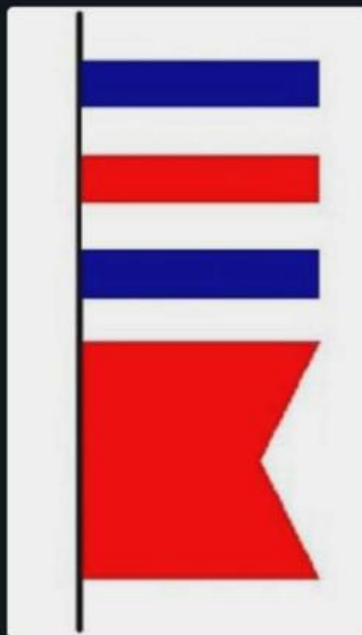
Code: NPXS When a ship's derrick or crane lifts a weight off the deck of a ship, from which position can the centre of gravity of the weight be considered to act?

- From the head of the derrick or crane. ✓
- From the centre of the weight lifted.
- From the position on the deck from which the weight was lifted.
- From a position on the deck at the base of the derrick or crane.

Code: SUKO When fully loaded, a lifeboat should have a sufficient strength to withstand a drop into the water from a height of:

- Not less than 3,0 metres.
- Not less than 1,5 metres.
- Not less than 0,5 metres.
- Not less than one third of the distance from the stowage position of the lifeboat to the waterline in the lightest seagoing condition.

Code: AWCE What does this signal hoist mean?



- I require immediate assistance.
- Do you require assistance?
- Stand by to assist me.
- I require medical assistance.

Code: GQJB According to Rule 24 of the International Regulations for Preventing Collisions and the illustrated lights, how long is the tow likely to be?

- It exceeds 200 metres.
- At least 100 metres.
- It is more than 50 metres but less than 200 metres.
- It is less than 200 metres.

To stop a mooring line paying out, it is possible to set the motor to “heave” as well as having the winch brake fully on. Is this a good idea or can it cause problems?

- All the listed alternatives. ✓
- The increased braking power of the winch can exceed the breaking strength of the line.
- Damage to the winch by distorting the shaft.
- Strain on the fairleads and rollers in use in excess of their Safe Working Load.

Code: IYTO How much lifeboat capacity should be provided on a conventional cargo ship of more than 85 metres in length?

- 100 % of the ship's complement on each side. ✓
- 150 % of the ship's complement on each side.
- 125 % of the ship's complement on each side.
- 50 % of the ship's complement on each side.

Code: YNDY The traffic list of a coast-station is a list of:

- Call-signs of ships for which a radio-telephone call, a telegram or another call is intended. ✓
- Names of ships which, on behalf of safety at sea, are being routed by a traffic control system.
- Name of ship's scheduled for berthing.
- Pertinent navigational and weather information.

Super-refraction effects the performance of some bridge devices on the vessel. What should the bridge watchkeeper look out for?

- Abnormal ranges of VHF radio and very long range radar detection. ✓
- The radar will be show abnormal sea clutter as the pulse is trapped in an atmospheric layer.
- Satellite communications will be severely effected.
- The GPS may give errors of position because of interference of incoming signals from the satellites.

How often shall each member of the crew participate in an “abandon ship”-drill?

- Once every month. ✓
- Once every week.
- Once every 6 months.
- Once a year.

Bulk liquid cargoes carried in flexi-tank containers are considered dangerous:

- When the associated material safety data sheet shows a constituent(s) listed in the *IMDG* Code. ✓
- When the shipper instructs that the container be carried on-deck only.
- When declared as a non-hazardous chemical.
- When declared as bulk liquid foodstuff.

What would indicate the onset of Parametric Rolling?

- When the wave encounter period approaches the natural roll period of the ship. ✓
- When twice the wave encounter period approaches the natural roll period of the ship.
- When wave heights experienced from the bows exceed 6 meters.
- IT* When wave heights experienced from either quarter exceed 6 meters.

Why is it important to have good a relationship between the crew on board a vessel?

- It leads to better work performance and positive atmosphere among the crew. ✓
- It encourages crew to extend their contract.
- Crew comes to know each others problems.
- It will prevent accidents from happening.

For guidance on lashing arrangement of containers on-board the vessel, the most important document to refer is:

- The Cargo Securing Manual. ✓
- The Stability Manual.
- The Code for the Safe Practice for Cargo Stowage and Securing.
- The company's *ISM* handbook.

When planning the loading containers, the planning officer must refer to:

- The Cargo Securing Manual (*CSM*). ✓
- MARPOL 73/78* Annex IV.
- The Safety of Life at Sea Convention (*SOLAS*).
- The Cargo Stowage and Security (*CSS*) Code.

What does the abbreviation *STCW* stand for?

- The International Convention on Standards of Training, Certification and Watchkeeping of Seafarers. ✓
- The International Convention of Ship's Trading, Chartering and Waybills.
- The International Shipowners, Transport and Cargo Work Convention.
- Seafarer's Training and Competence of Watchkeepers.

What do you do after receiving a *VHF DSC DISTRESS* call?

- You set watch on *VHF* channel 16. ✓
- You set watch on channel 13.
- You send immediatly a *DSC DISTRESS RELAY* call.
- You send immediatly a *DSC DISTRESS ACKNOWLEDGEMENT* call.

Give the meaning of the following symbol:

- Rocket parachute flares. ✓
- Survival craft distress pyrotechnic signals.
- Line throwing appliance.
- Parachute landing area.

A container full of scrap metal is being loaded, and you sight water dripping from it. You should:

- Reject the container. ✓
- Ensure that the container is stowed on deck.
- Ensure that the container is stowed below deck.
- Load the container and note protest.

The dangers associated with carriage of empty tank containers is that:

- They may contain flammable cargo residue. ✓
- They may not be declared as being empty.
- They are prone to collapse.
- They could explode if their vents are closed.

One particular group of hazardous goods that is highlighted by the *IMDG* Code as potentially being the most dangerous for carriage is:



- Organic peroxides. ✓
- Toxic substances.
- Liquefied gases.
- Infectious substances.

The portable walkie talkies required to be carried by *GMDSS* regulations should have which channels as a minimum?

- Channels 6, 13 & 16. ✓
- Channels 6 & 16.
- Channel 16 only.
- Channels 13 & 16.

What is the disadvantage of using High Tensile Steel (*HTS*) in ship construction?

- Enhanced vibration in *HTS* areas. ✓
- Low elasticity.
- Diminished cargo carrying capacity.
- Failure without warning.
- I don't know.

If a tank container of liquid ammonia is engulfed in fire, it is recommended:

- To restrict ventilation.
- To allow ventilation. ✓
- Not to use water to cool the container.
- Not to use dry chemical to extinguish the fire.
- I don't know.

What colour flare is used to signal a safe landing place for small boats?



- Green. ✓
- White.
- Blue.
- Yellow.

According to Rule 35 of the International Regulations for Preventing Collisions what sound signal is made by a vessel not under command when in or near an area of restricted visibility?

- One prolonged blast, followed by two short blasts, at intervals of not more than 2 *minutes*. ✓
- One prolonged blast, followed by two short blasts, at intervals of not more than 1 *minute*.
- One prolonged blast at intervals at not more than 2 *minutes*.
- Two prolonged blasts, followed by one short blast, at intervals of not more than 2 *minutes*.
- I don't know.

Containerised scrap metal fire is best extinguished by:

- Smothering. ✓
- Allowing cargo to smoulder.
- Cooling with freshwater.
- Dousing with seawater.
- I don't know.

On a container vessel, flexitanks are used for:

- The carriage of non-hazardous liquids, in bulk. ✓
- The carriage of hazardous liquids, in bulk.
- The carriage of liquid cargoes of a particular specific gravity.
- The carriage of liquid cargoes that do not have a Proper Shipping Name.