



ISSA INLAND SKIPPERSTOK HANDBOOK

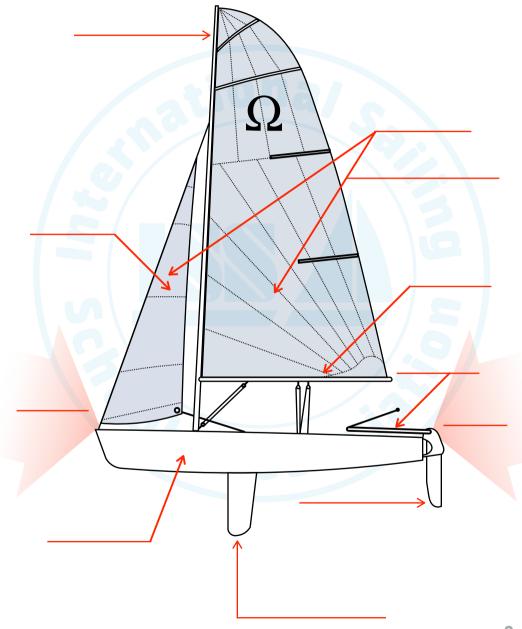
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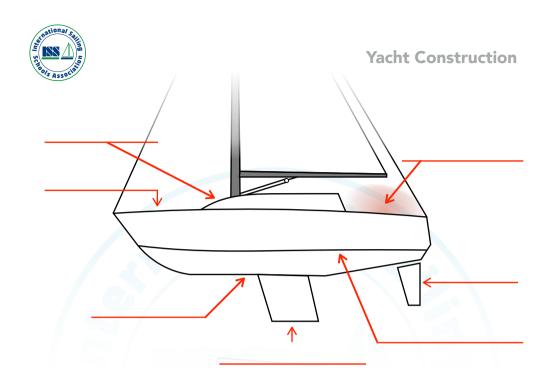


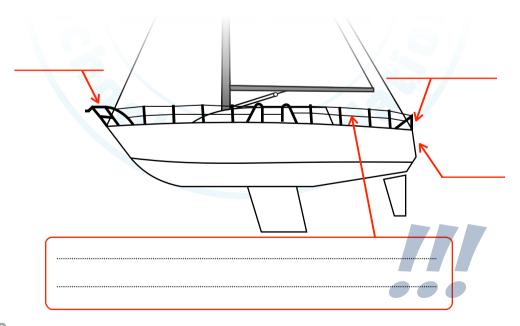
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YACHT CONSTRUCTION



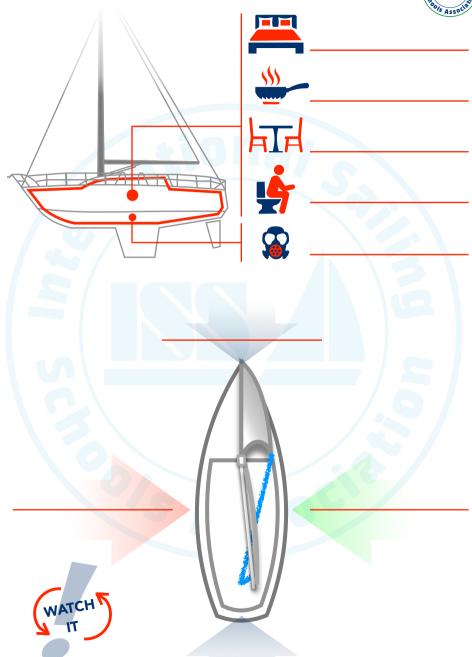






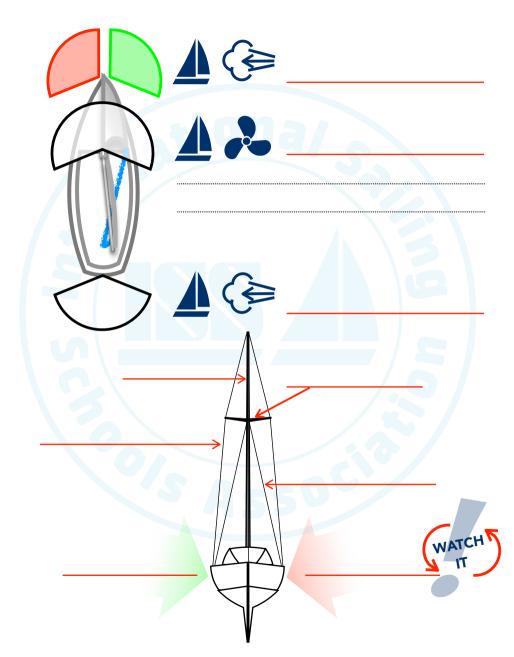
Yacht Construction

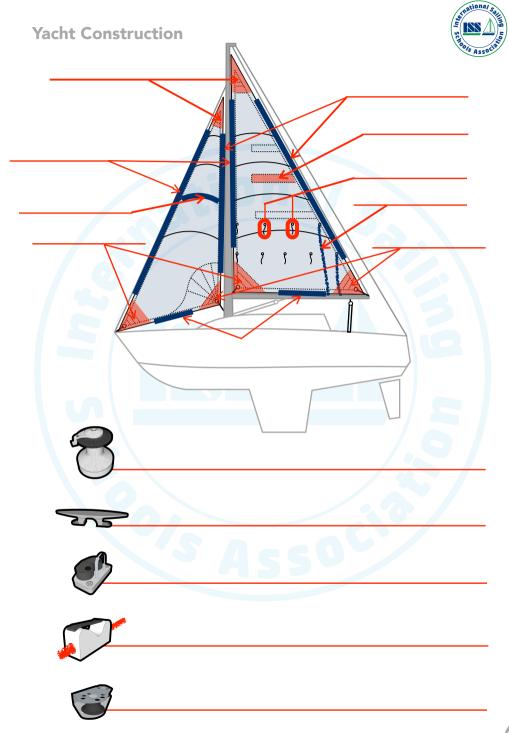






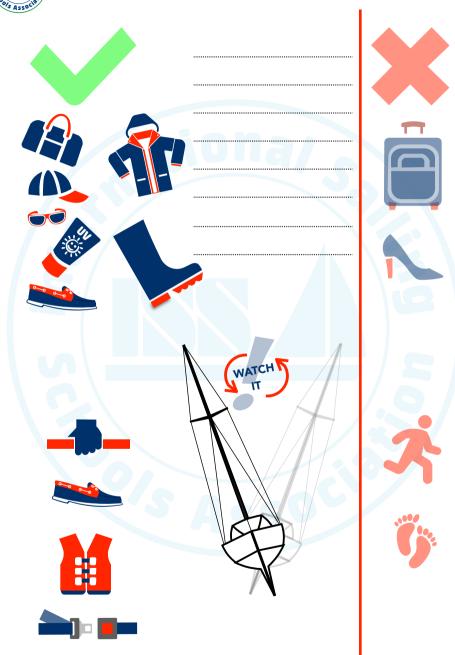




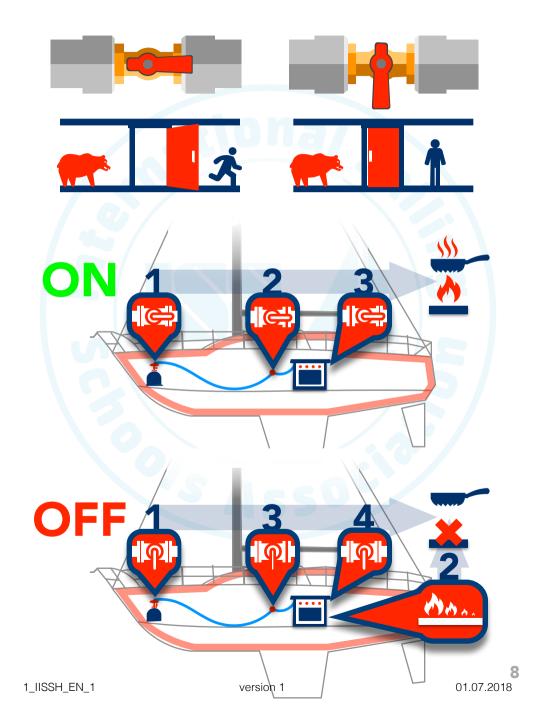




SAFETY ON BOARD









Safety on Board

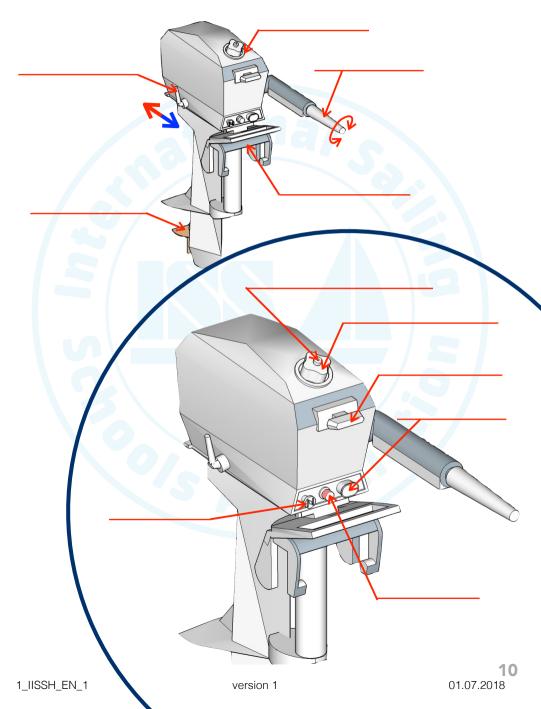






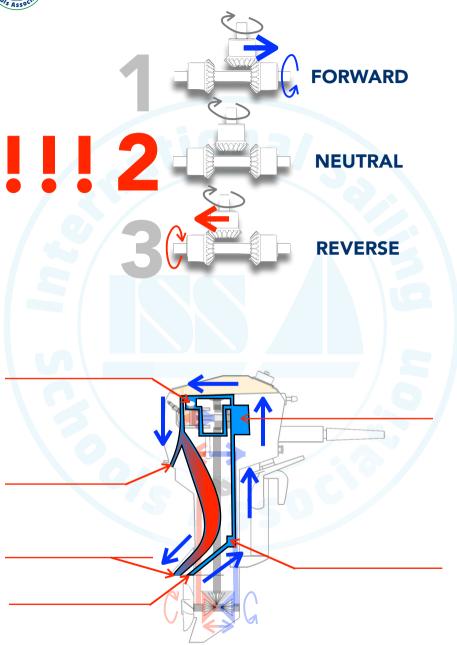
OUTBOARD ENGINE





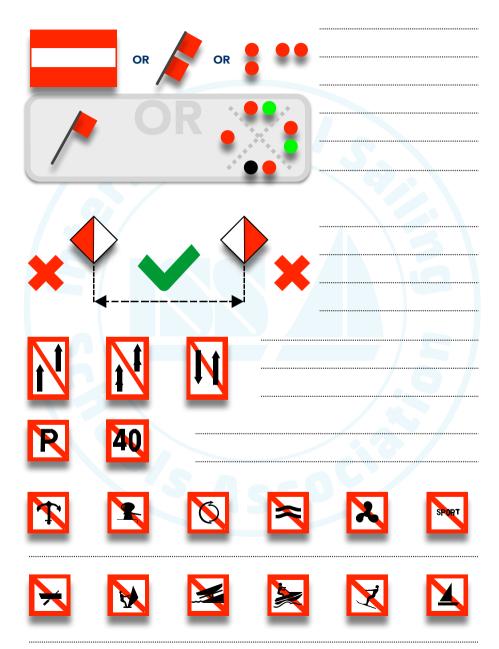






CEVNI



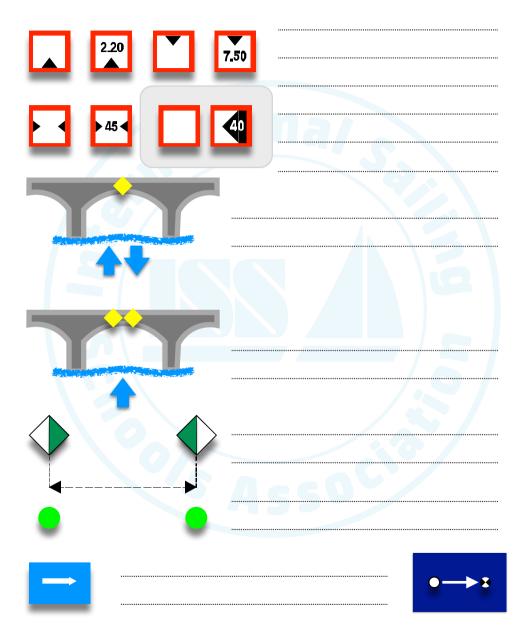




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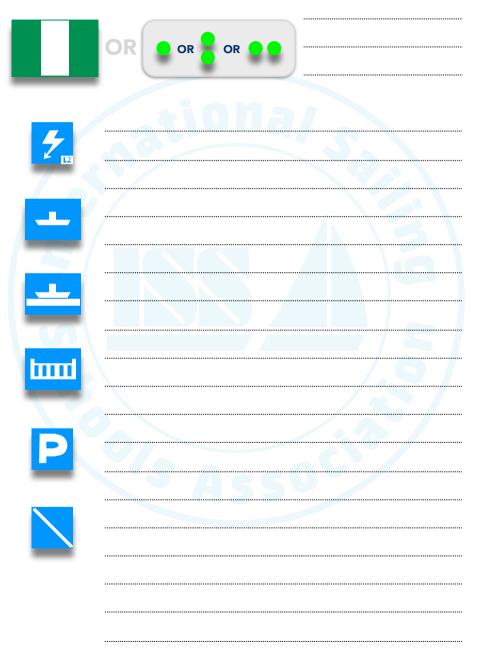
CEVNI

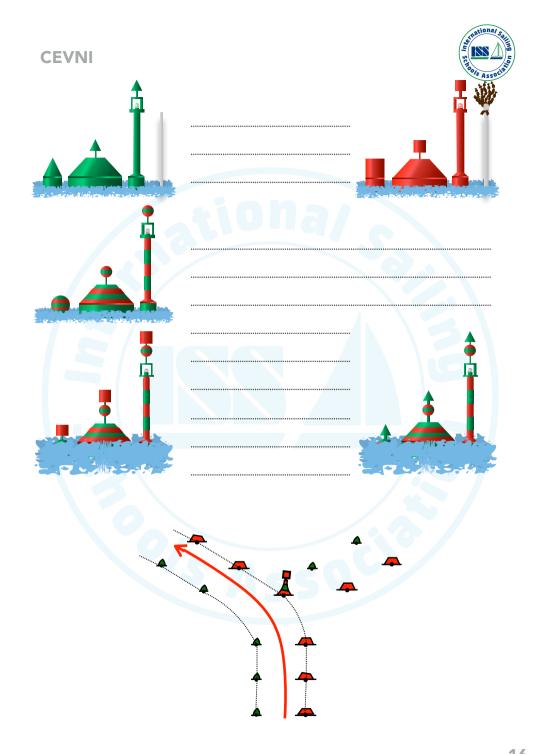


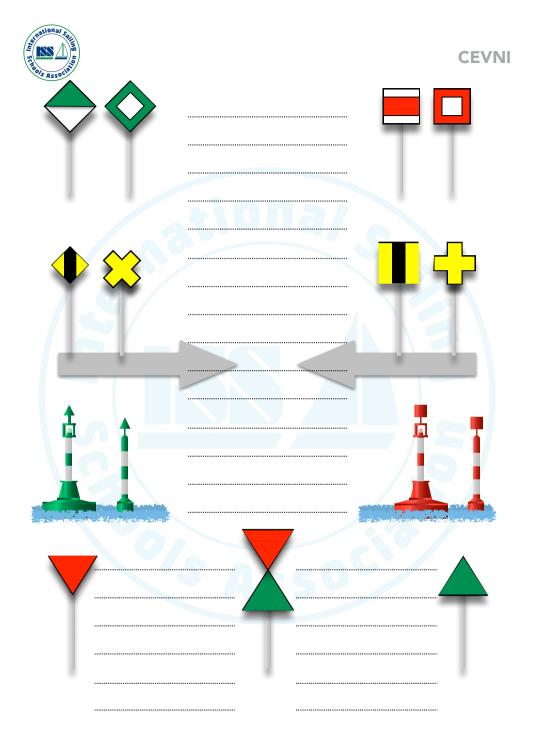


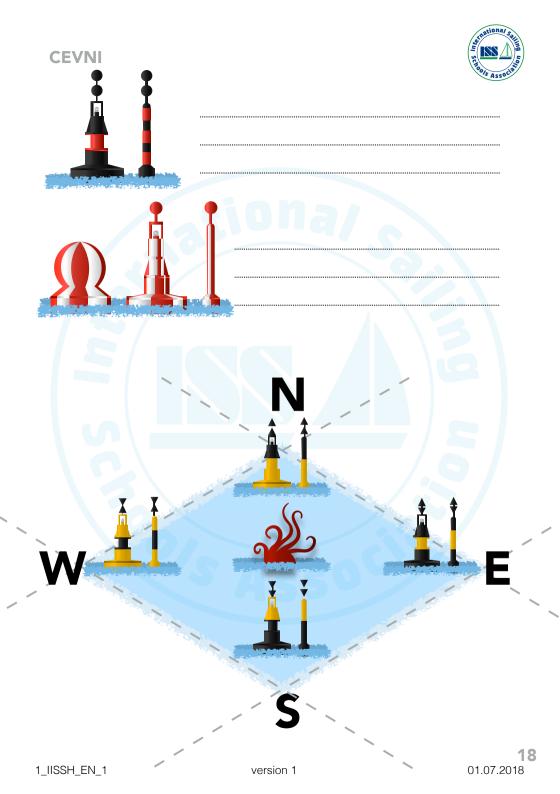












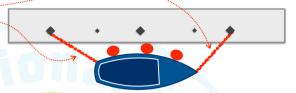


BERTHING

DOCK LINES

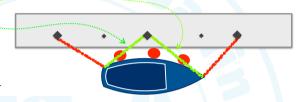
Each line used for docking a boat has a different function.

Bow line & stern line are the main docking lines. They keep the boat from running away from the dock but DO NOT STOP the boat's FORWARD and BACKWARD movement.



Bow spring & stern spring

are additional docking lines.
They keep the boat from
moving forward and
backward. Always use them
when leaving the boat longer
at the dock



Bow breast & stern breast

keep the bow and stern close alongside, particularly in case of a strong offshore wind. They are not essential when bow and stern lines and springs are also used.



FENDERS

Fenders are usually made of plastic and are hung from the grabrails or lifelines over the side of the boat to prevent it making contact with the bulkhead, dock or another boat along side. They are made in a variety of shapes to suit different situations. You should use at least three fenders when berthed alongside.





TYPES OF BERTHS

LONGSIDE



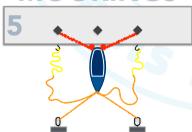
The most typical type of berth. Use at least bow and stern line. Adding just one spring line will better stabilize the boat.

DOLPHINES



In some marinas you might encounter docking piles, called dolphines (large wooden or metal stakes driven into the seabed). When approaching the berth first fix the lines on the piles and than ashore.

MOORINGS



Usually thare is a lazyline secured to an underwater mooring. The lazyline is **picked** up from the shore side on arrival and led to bow (or stern, depending on how you want to dock) and fixed from the open water side. Twin moorings secure the boat.

BOW/STERN

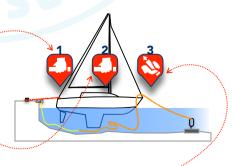


To berth with your bow or stern you will need to attach the boat to the docking buoy (if there is one) or to use your anchor to stabilize the boat.

FLOATING DOCK



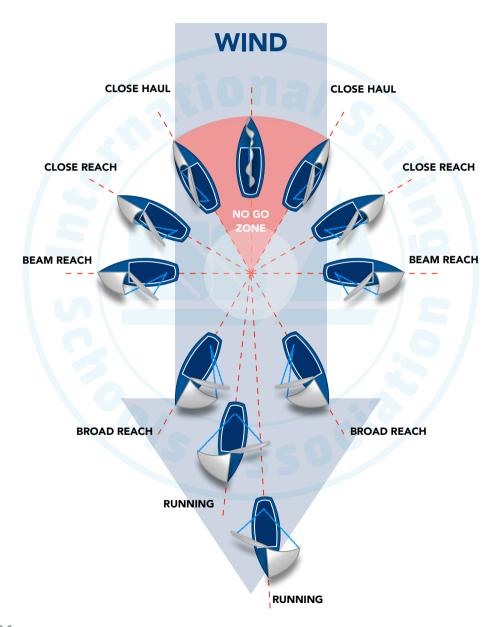
Modern marinas offer platforms or ramp supported by pontoons that are called floating docks. They allow a convinient berth. ramps are usually shorter than the boats. Use spring in order to prevent the boat of hitting the bulkhead.





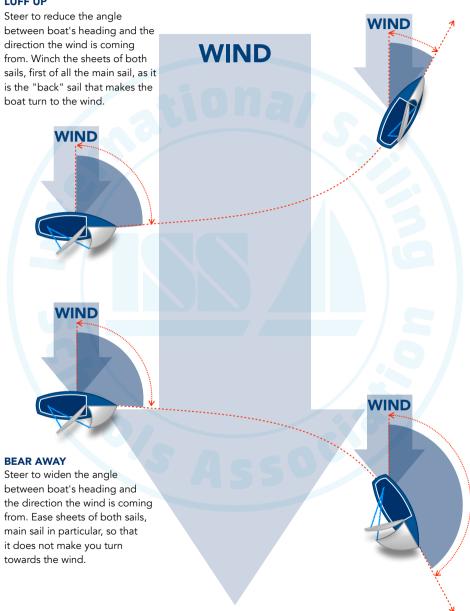
SAILING

POINTS OF SAIL



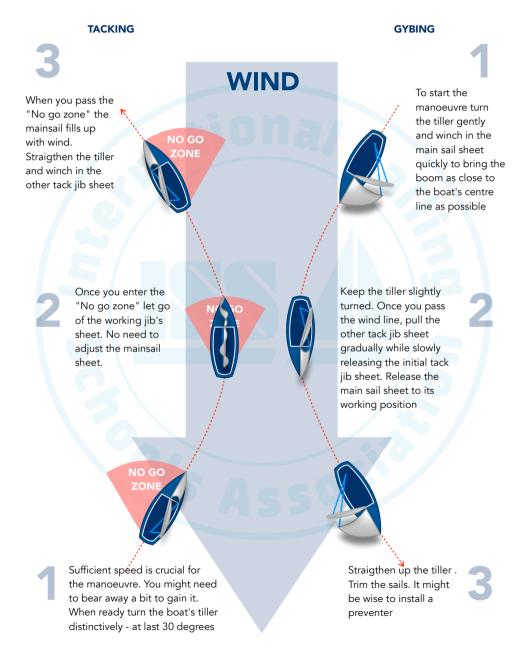


LUFF UP









Sailing



DANGEROUS GYBE

It is crucial to control the main sail sheet. The boom should be brought to the boat's centre as close as possible before the boat passes to the other tack zone, leaving the boom as little room as possible to gain momentum.

If the boom is away from the boat's center, when crossing the wind line, it turns into a doom tool. It will fly violently to the other tack zone putting a lot of dynamic tension on boat's construction (main sail sheet, shrouds, boom fixing points)



ANCHORING

TYPES OF ANCHORS

There is a number of different types of anchors and each has its own advantages and disadvantages. Below the most common types you might encounter:



Bruce: Universal, but poorly keeps on clay and heavy mud.



Fisherman's: It holds well on the rocks, but it is difficult to store.



Delta: Holds well on most substrates. Weaker only on the rocks.



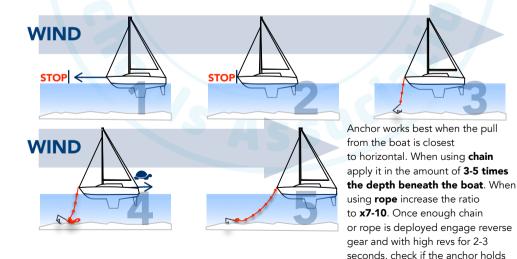
Danforth's: Holds well on the sand and in the mud. It occupies little space.



Mushroom: Good for long-term anchoring

DROPPING THE ANCHOR

Look at how other boats are oriented on the approach to the site. (1) Always go against the wind when dropping an anchor. (2) Ensure you have stopped. (3) Start easing the anchor. (4) Go slowly backwards, (5) until the chain/rope stretches.

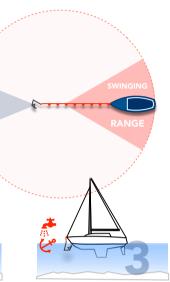


well.

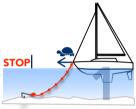


SWINGING CIRCLE

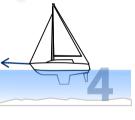
Bear in mind the swinging circle, which is around one third of the part of chain or rope that is laying on the seabed. Ensure your **swinging range clears obstructions**. In order to check if the anchor is holding observe your swing. **Keep in mind the possible change in wind direction**.



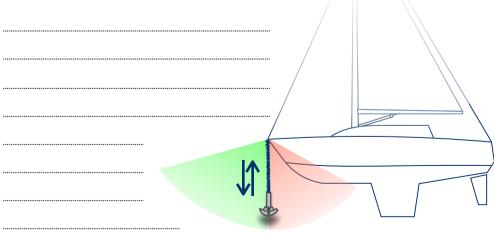
RAISING THE ANCHOR







(1) Slowly move towards the anchor. Watch for the chain/rope not to get beneath the hull. (2) When near vertically above, start pulling the anchor. (3) Rinse it and carefully get in aboard. (4) Secure the anchor aboard and you are free to go.





IRPCS

The International Regulations for Preventing Collisions at Sea 1972 (Colregs) are published by the International Maritime Organisation (the IMO) and set out, among other things, the "rules of the road" or navigation rules to be followed by ships and other vessels at sea to prevent collisions between two or more vessels.

FUNDAMENTAL RULES

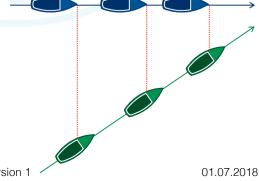
- KEEP A WATCH by all appropriate means (look, listen, radar, AIS)
- NO ONE has RIGHT OF WAY
- One vessel is the give way, the other is the stand on vessel. **BOTH** remain **RESPONSIBLE** to avoid a collision
- Travel at a **SAFE SPEED** for the conditions
- In a narrow channel KEEP TO STARBOARD (right)
- GIVE WAY = EARLY & SUBSTANTIAL action
- STAND ON MAINTAIN COURSE AND SPEED until it is clear the other vessel is not taking action and only then take avoiding action

RISK OF COLLISION

When there is deemed to be a risk of collision

- One vessel is the GIVE WAY vessel
- The other is the STAND ON vessel.

If there is a **CONSTANT BEARING** between the two vessels which are approaching each other there is a risk of collision.



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SAILING RULES

UNDER SAIL



Starboard Tack Rule

Wind on the Starboard side of the vessel

- STARBOARD TACK boat is the STAND ON vessel.
- PORT TACK boat is the GIVE WAY vessel.



UNDER SAIL



Windward Rule

The boat nearest the wind is the Windward boat. The boat furthest from the wind is the Leeward boat

- LEEWARD boat is the STAND ON vessel.
- WINDWARD boat is the GIVE WAY vessel.



UNDER SAIL OR POWER



Overtaking Rule.

- The vessel BEING OVERTAKEN is the STAND ON vessell.
- The **OVERTAKING** vessel is the **GIVE WAY** vessel

Overtaking is defined as coming from more than 22.5° abaft the beam (the angle a stern light becomes visible).

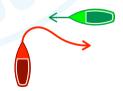




UNDER POWER



Vessels meeting at an angle but <u>not</u> when one is <u>overtaking</u> the other, give way to vessels on your **STARBOARD BOW**.



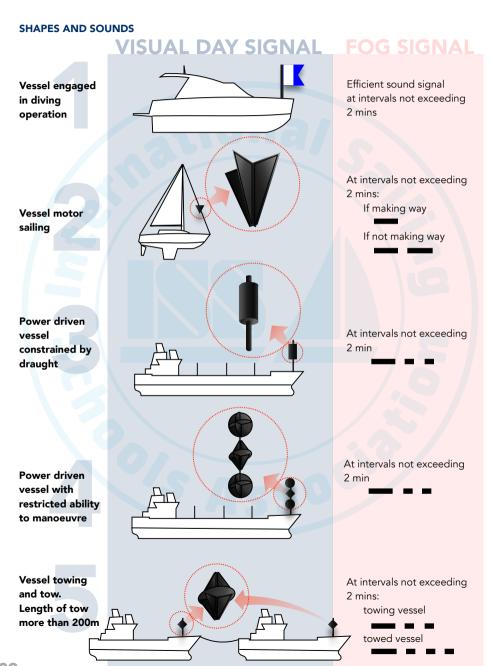
UNDER POWER



Vessels meeting head on – both turn significantly to **STARBOARD** and pass Port to Port.







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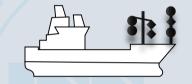




VISUAL DAY SIGNAL

At intervals not exceeding

Carrying out underwater operations (Restricted ability to manoeuvre)



At intervals not exceeding 2 min

Vessel at Anchor



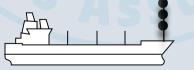
Rapid bell at intervals not exceeding 1 min. If over 100m followed by rapid gong. May also sound MORSE A on whistle

Vessel not under command



At intervals not exceeding 2 min

Vessel aground



3 bell strokes

+ rapid ringing

+ 3 bell strokes

+ (gong if 100m plus). At intervals not exceeding 1 min. May also sound Morse R on whistle

Vessel engaged in mine clearing operations

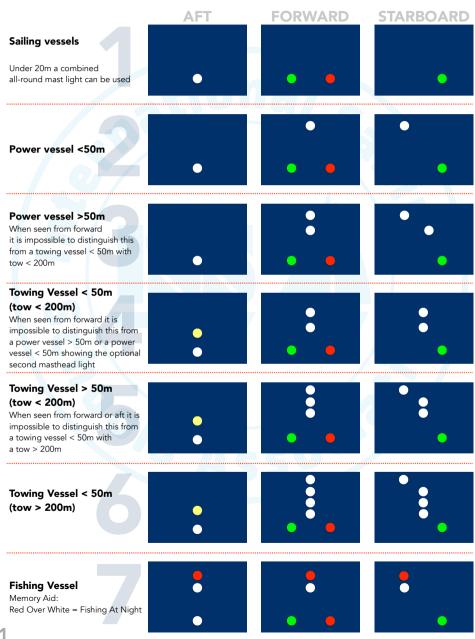


At intervals not exceeding 2 min

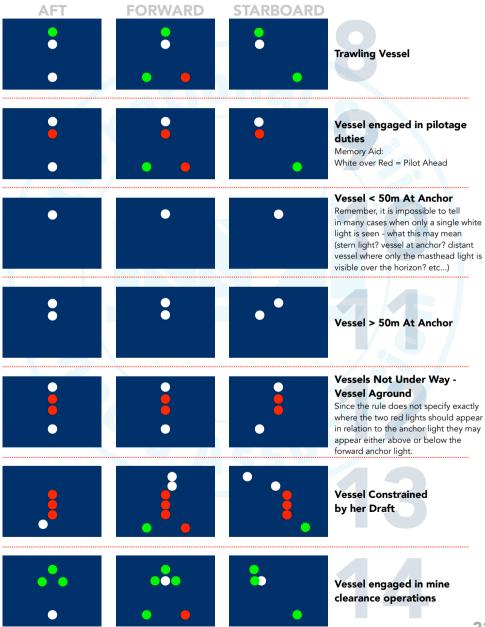
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LIGHTS

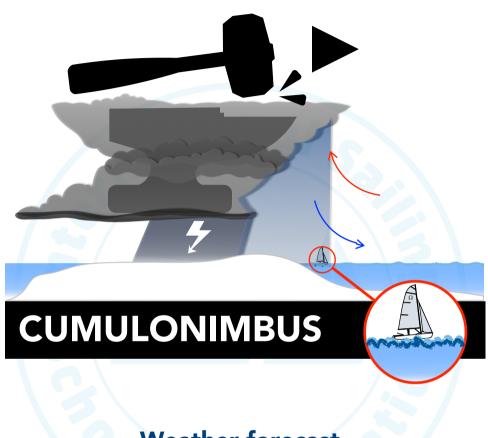








METEOROLOGY



Weather forecast



Environmentally ResponsibleSailing



Holders of the International Sailing Schools Association **certificates** are the **elite** that knows how to sail safely and should also **care about the environment**. Help us promote Environmentally Responsible Sailing and preserve the nature for future sailors generations **by applying these few simple rules**.

Use your sails as much as possible therefore reducing energy consumption



Sailing is a very environmentally friendly form of transport as it harnesses the wind and sea without detriment to the environment. Maximise the use of sails subject to safety and operational requirements.

Segregate garbage for recycling purposes wherever possible



Recycling is an alternative to "conventional" waste disposal that can save material and help lower greenhouse gas emissions. Recycling prevents the waste of potentially useful materials and reduce the consumption of fresh raw materials, thereby reducing: energy usage, air pollution (from incineration), and water pollution. Search for segregated garbage bins in every marina.

Strictly enforce no waste being thrown overboard.



This is not even a matter of ecology but personal culture.

Oceans and seas are huge, but that does not mean that another piece of paper thrown into the water does not make a difference. It does. It is your attitude that matters.

Leave any beach or shore line you visit cleaner than when you arrived.

Leisure sailing can take you to many beautiful, paradise-like places. The community of saiilors grows every year and it is constantly harder and harder to visit places untouched by a human hand. Some people do not regard that as a value and leave their trash behind them there. React and help to keep those places safe.

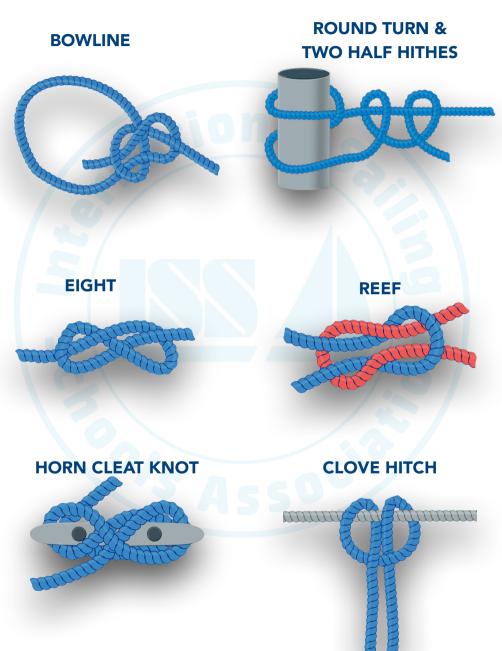


You are the skipper. It is your responsibility to educate your crew on how to properly behave during your leisure yachting experience.





KNOTS





ISSA.global Wherever You Sail