

## Basic Collision Regulations at Sea

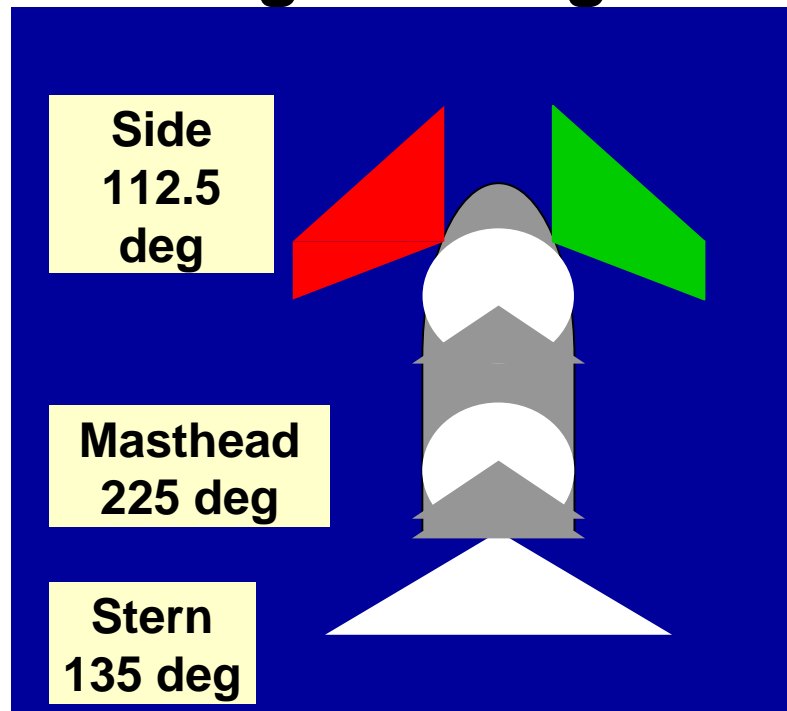
- ❖ The rules apply anywhere on the sea or connected to it (subject to local by laws).
- ❖ Underway means not anchored, or made fast to the shore, or aground.
- ❖ Making way means being propelled through the water by sail, machinery, or oar.
- ❖ Keep a good lookout at all times by all means available (sight, sound, radar).
- ❖ Maintain a safe speed for the conditions (waves, hazards, tide, traffic, visibility, depth, background lights).
- ❖ The words 'Right of Way' do not occur in the rules. A 'stand on' vessel should maintain its course and speed until it is clear that the 'give way' vessel is not taking avoiding action. Then all vessels must keep clear.
- ❖ Action taken to avoid collision shall be positive, early and safe.
- ❖ A risk of collision exists if a bearing by compass, radar or transit stays constant.
- ❖ Navigate on the starboard side of a channel.
- ❖ When crossing a shipping lane or traffic separation scheme keep your heading at right angles to the traffic.
- ❖ **Special rules apply in fog** - There is no 'Give Way' vessel. if you hear any vessel ahead, sound your signal, slow down but keep steerage way on, stop if necessary, navigate with extreme caution till danger is past.
- ❖ **General Rules for Priority:**
  1. Not Under Command
  2. Restricted Ability to Manoeuvre
  3. Constrained by Draught
  4. Fishing
  5. Sail
  6. Motor (including motor sailing)Tugs are treated as motor vessels, unless they are also RAM or CBD
- ❖ **Exceptions** to the General Rules: Narrow channels, Traffic Separation Schemes.
- ❖ **Overtaking** boats keep clear - sail and power.
- ❖ **Sailing Rules**
  1. Starboard tack boat
  2. Port tack boat**Sailing** boats on the same tack: Windward boat keeps clear.
- ❖ **Motoring Rules**

Boats meeting head on – both turn to starboard.

If two power vessels are crossing, the boat which has the other on her own starboard side shall keep out of the way.

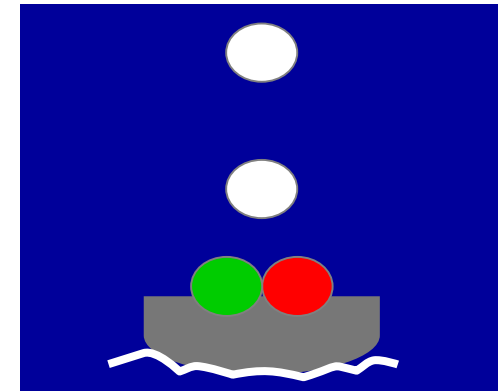
# Light Recognition by night

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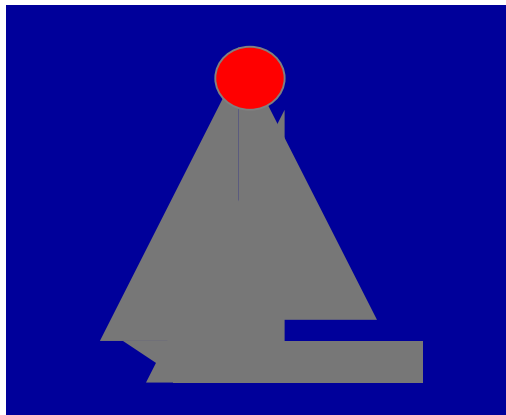


Motor vessel  
> 50 m

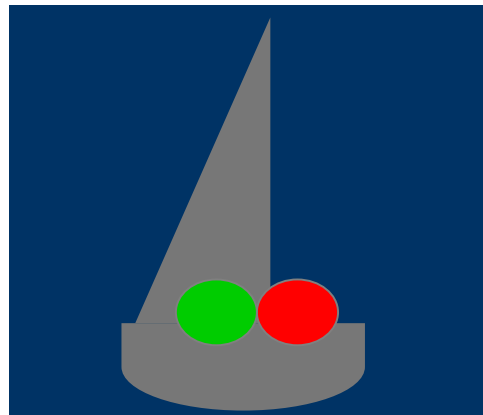
Arrangement  
of lights



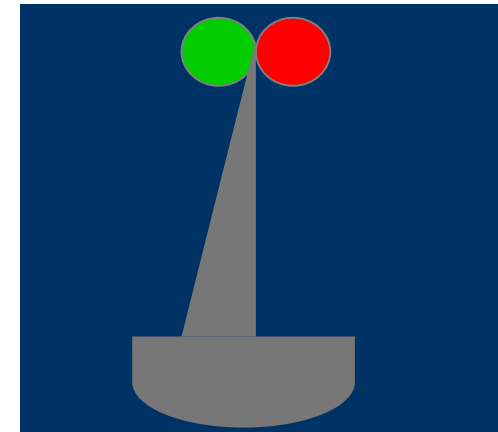
Motor vessel > 50m  
From ahead



Sailing vessel  
Port side

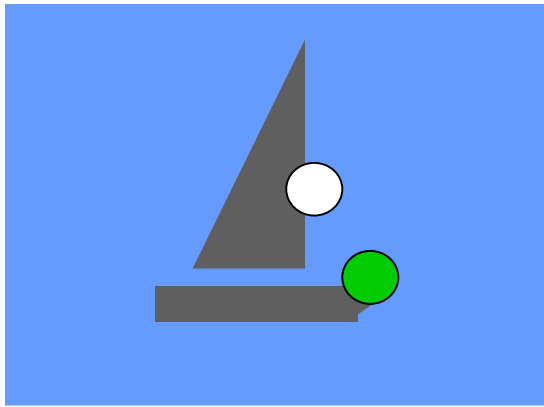


Sailing vessel  
From ahead



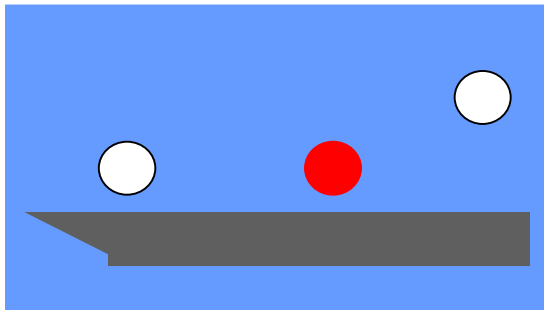
Sailing vessel  
From ahead

# Light Recognition by night

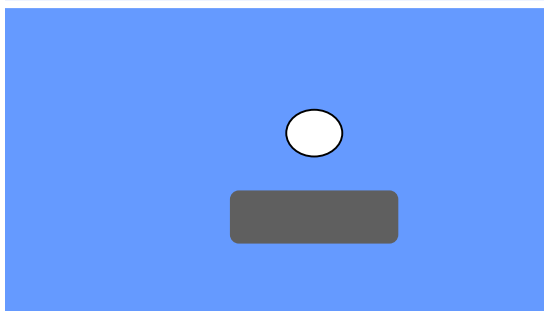


Sailing vessel with engine on (motor sailing). Starboard aspect.

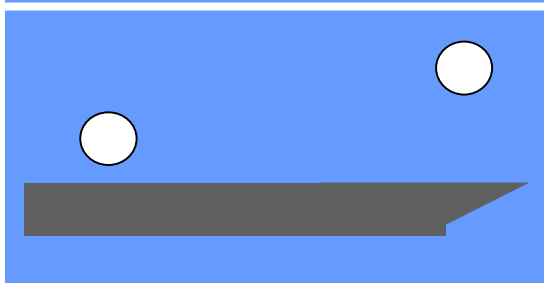
Motor vessel < 50 metres  
nb 'steaming light'



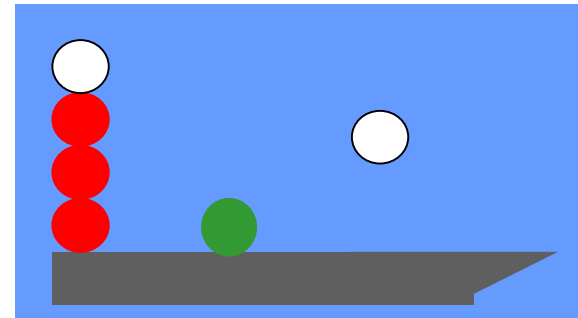
Motor vessel > 50 Metres, port side



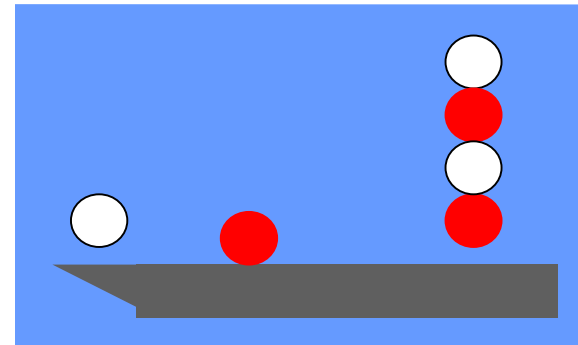
Stern light of any vessel.  
Anchor light of boat <50 m.  
Small rowing boat



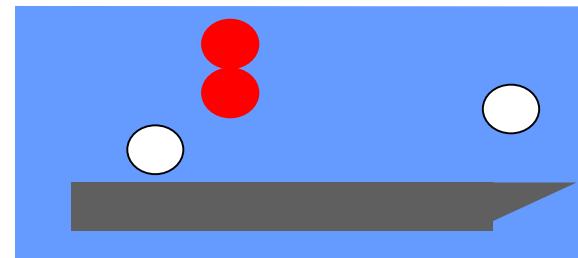
Vessel > 50 metres at anchor



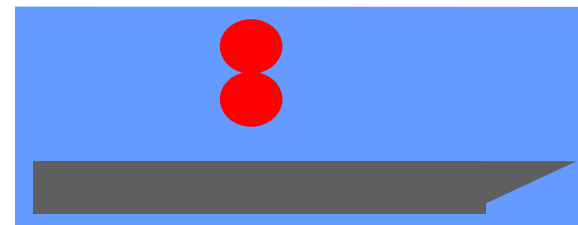
Vessel constrained by draught. Starboard aspect



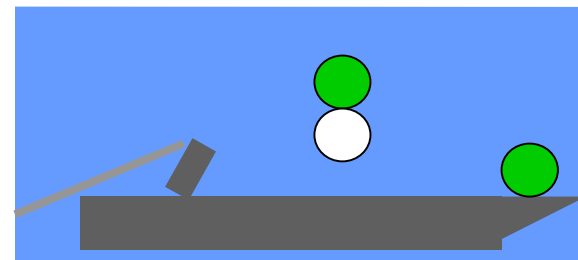
Vessel with restricted ability to manoeuvre. Port aspect



Vessel aground



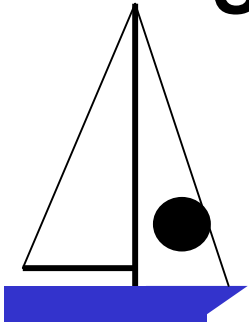
Vessel not under command, under way, not making any way



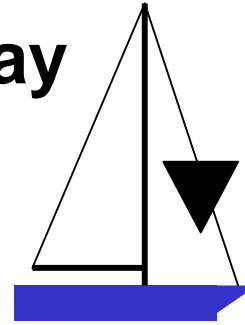
Vessel trawling  
Making way

# Shape recognition by day

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Vessel at anchor



Sailing vessel with auxiliary engine on (motor sailing).



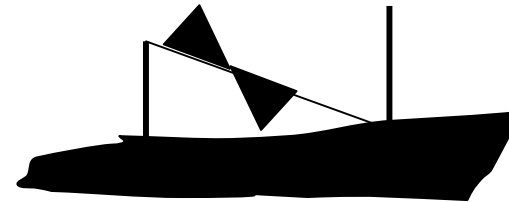
Restricted in ability to manoeuvre



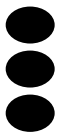
Constrained by draught



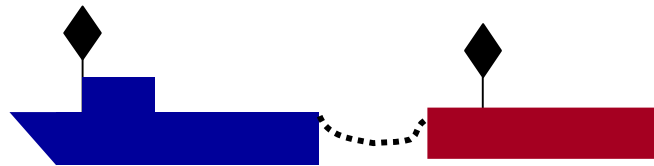
Vessel not under command



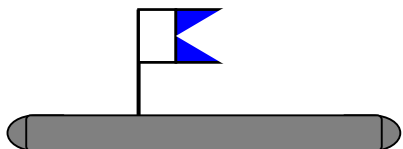
Vessel fishing



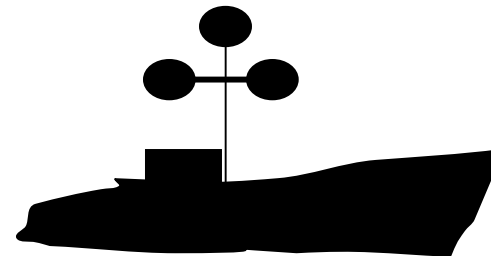
Vessel aground



Vessel towing and tow. > 200 metres



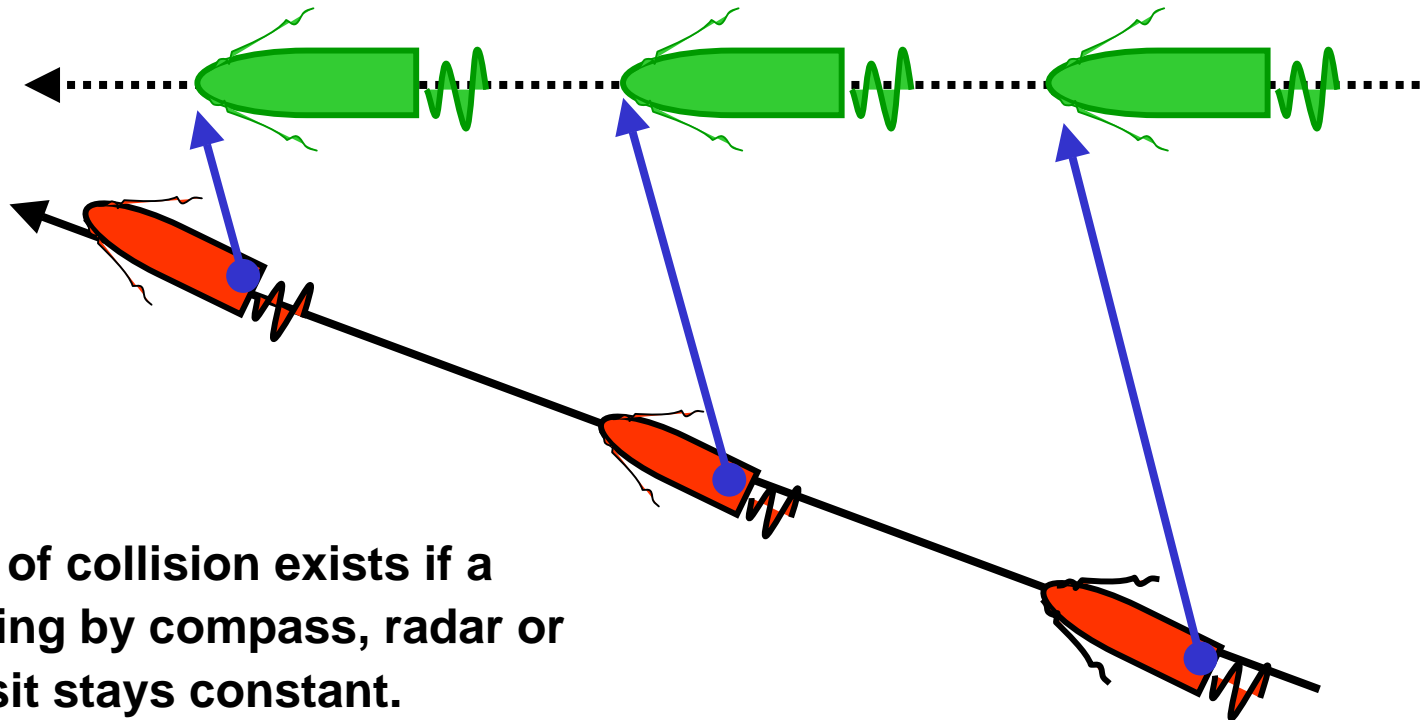
Diver down



Minesweeper

# Risk of Collision

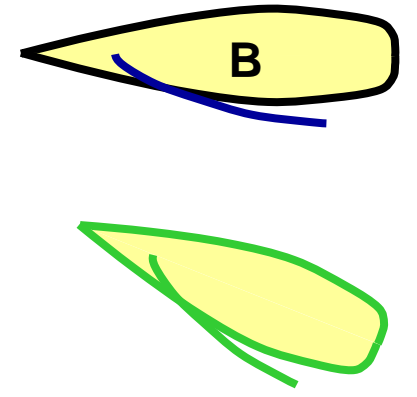
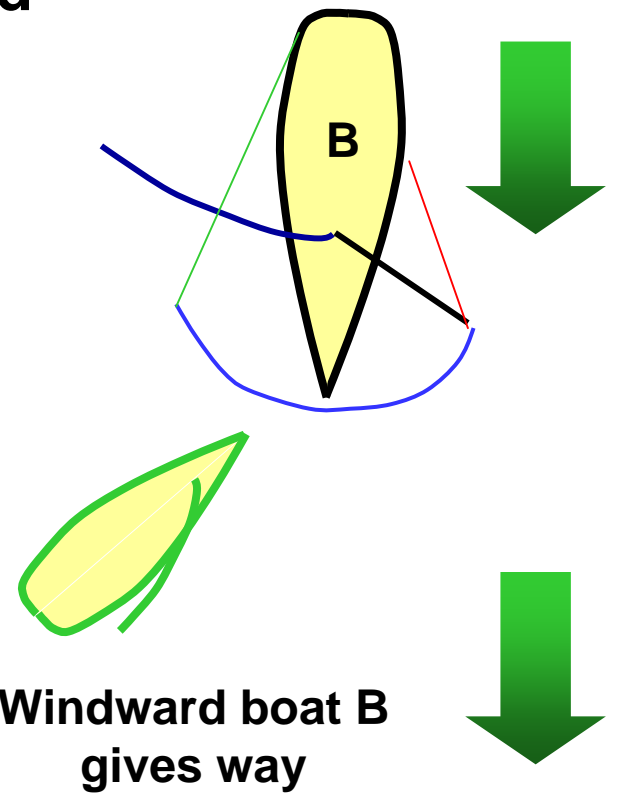
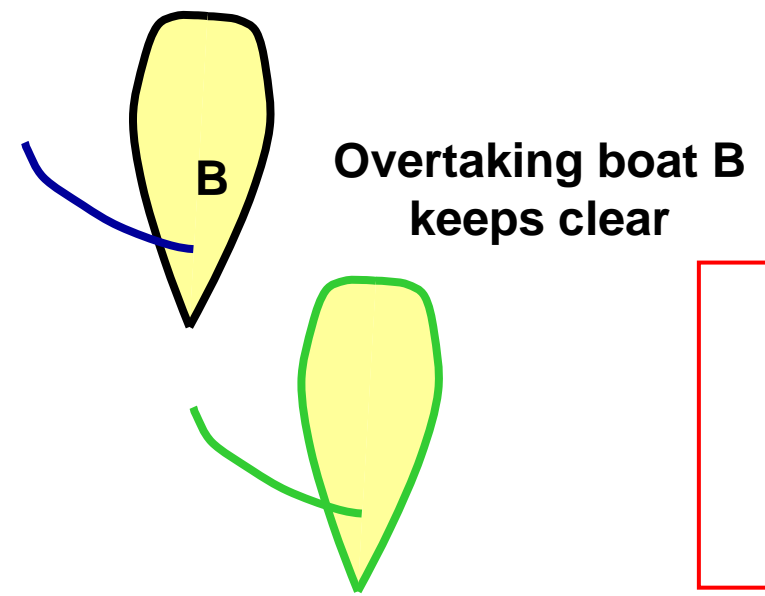
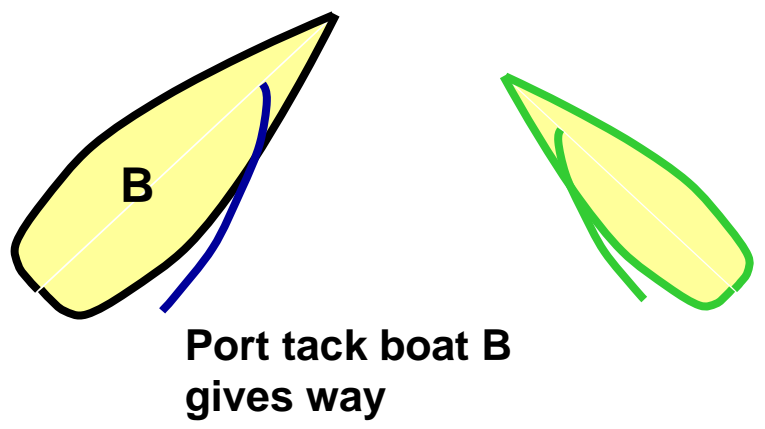
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**Risk of collision exists if a bearing by compass, radar or transit stays constant.**

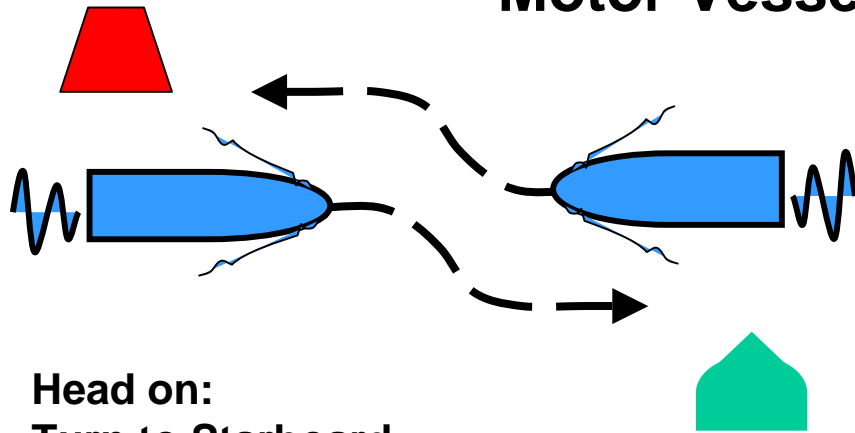
# Rules of the Road Sailing Vessels

**WIND**  
↓

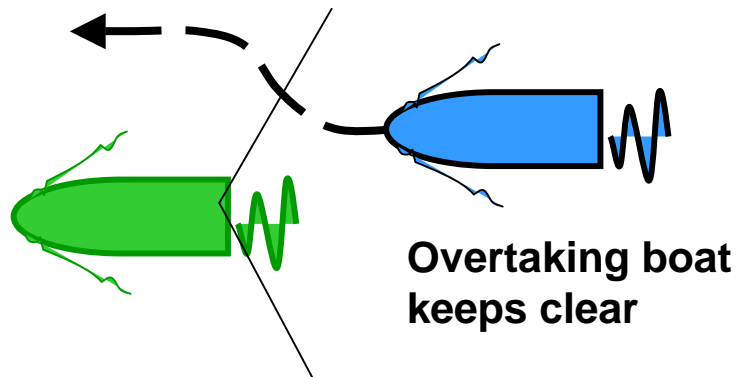


- Avoiding action must be
- *Early*
  - *Substantial*
  - *Safe*

## Rules of the Road Motor Vessels

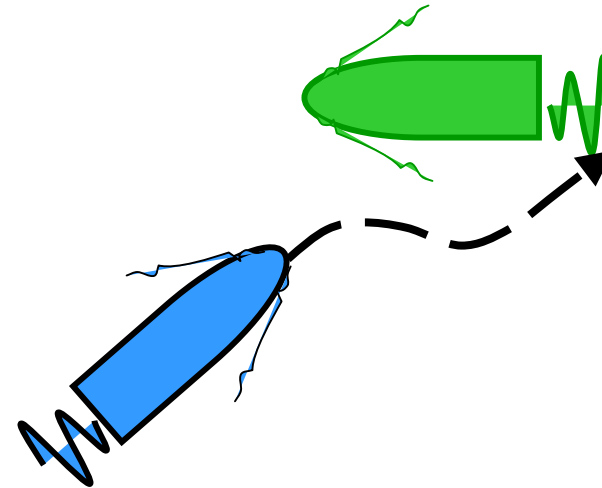


**Head on:**  
Turn to Starboard  
Keep to Starboard side of channel



**Overtaking boat  
keeps clear**

**Converging:**  
Boat on right stands on  
B goes behind, slows  
down or stops



**Avoiding action must be**

- *Early*
- *Substantial*
- *Safe*

# Sound Signals Yachtmaster

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Turning to Starboard



Turning to Port



My engines are in astern propulsion



Please make your intentions clear (= *get out of the way*)



Motor - Approaching a bend (here I come sounding one)

## In fog



Motor vessel in fog @ 2 minutes



In fog - motor vessel stopped



In fog - not under command, restricted in ability to manoeuvre, constrained by draught, towing, fishing, sailing

Bell 5 secs



At anchor < 100 m. **Bell + Gong** > 100m



At anchor, restricted visibility, warning of collision

Last vessel in tow

## Overtaking



I intend to overtake on your starboard side



I intend to overtake on your port side



I Agree

## **Rules for Priority      1 = highest**

### **General Rules**

- 1. Not under Command**
- 2. Restricted in ability to manoeuvre**
- 3. Constrained by draught**
- 4. Fishing**
- 5. Sail**
- 6. Motor (including motor sailing)**

#### **Exceptions:**

- 1. Narrow channels, Traffic Separation Schemes,**
- 2. Overtaking**

### **Overtaking - Sail and Power**

- 1. Boat ahead**
- 2. Boat overtaking**

### **Sail**

- 1. Starboard tack**
- 2. Port tack**
- 3. Windward boat**

### **Converging Power**

- 1. Boat on right**
- 2. Boat on left**