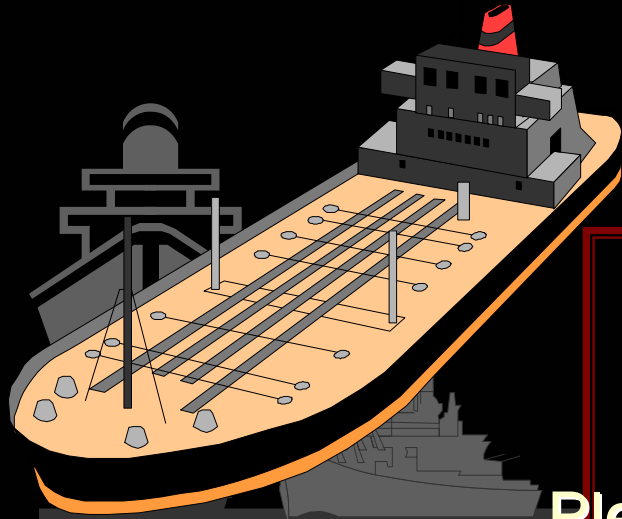


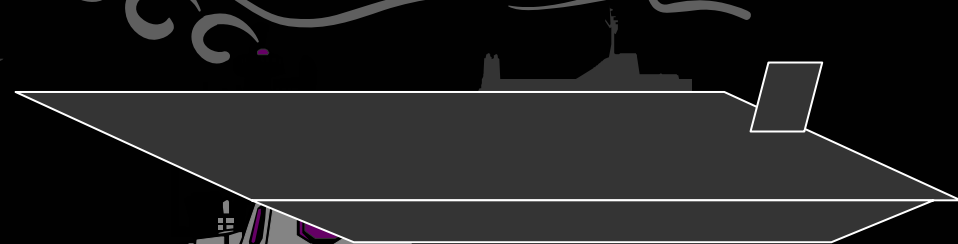
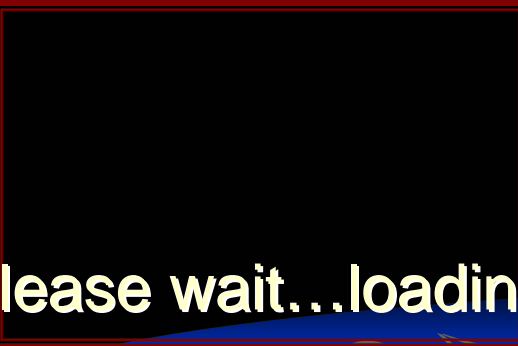
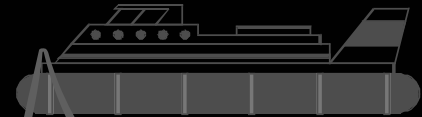


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SHAPES

Please wait...loading.



Created by Bill Nadeau



Ship Masters

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WARNING!



Ship Masters

Please Note...

For the purpose of this presentation 'Shapes' will be animated in **Blue** and exaggerated in size to better illustrate their appearance and placement.

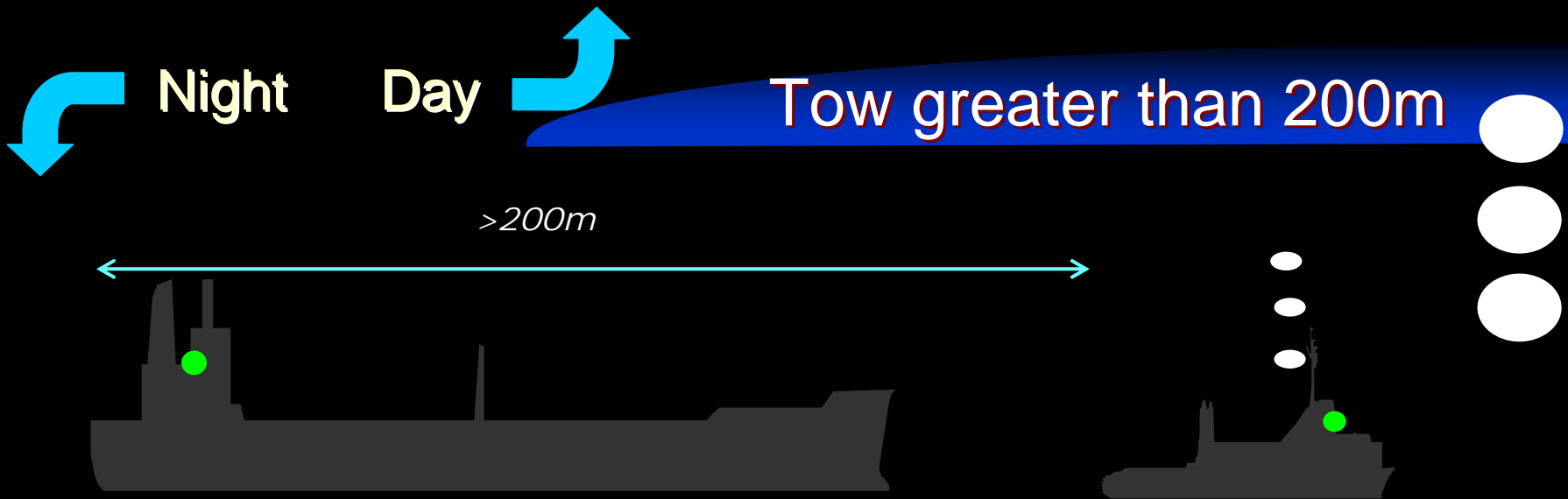
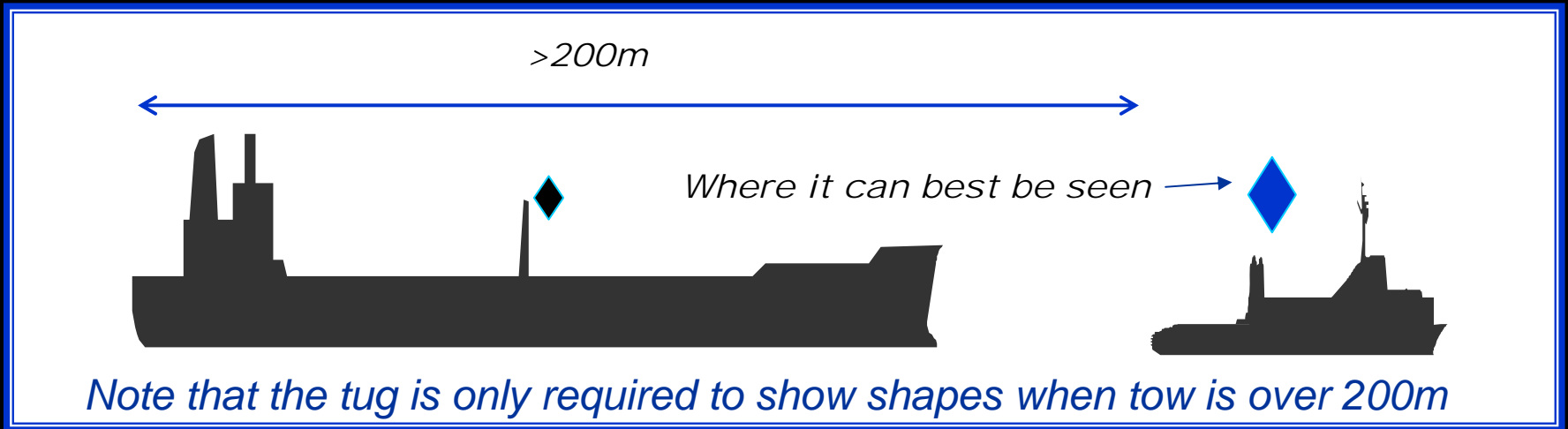
In reality shapes are usually **Black** for maximum contrast.



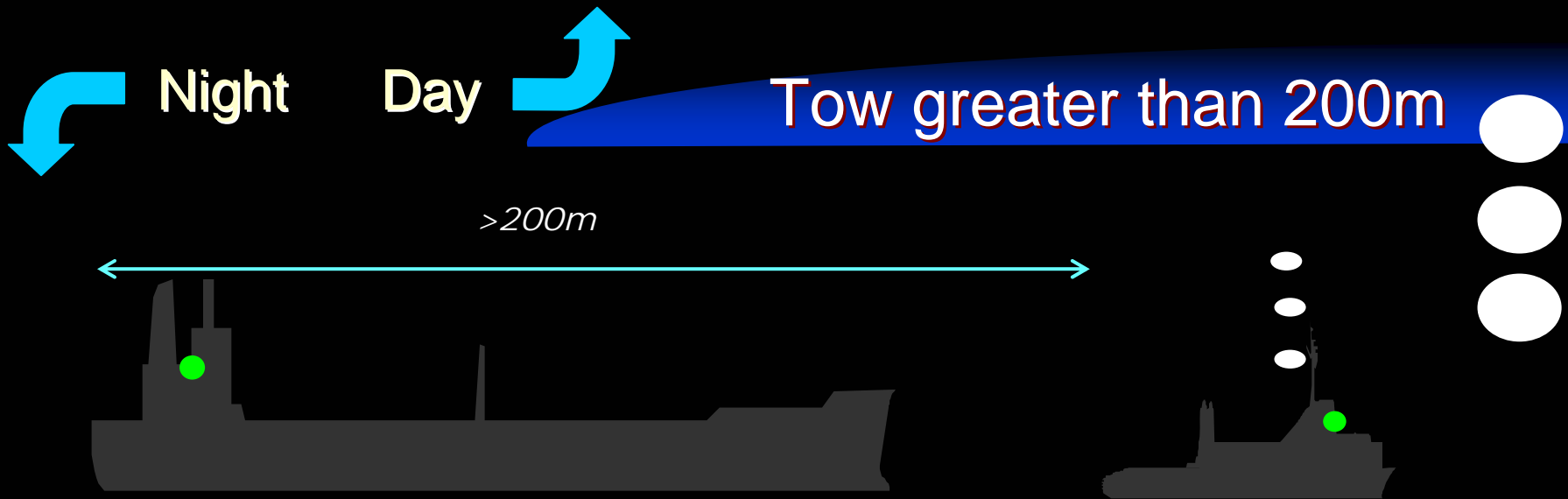
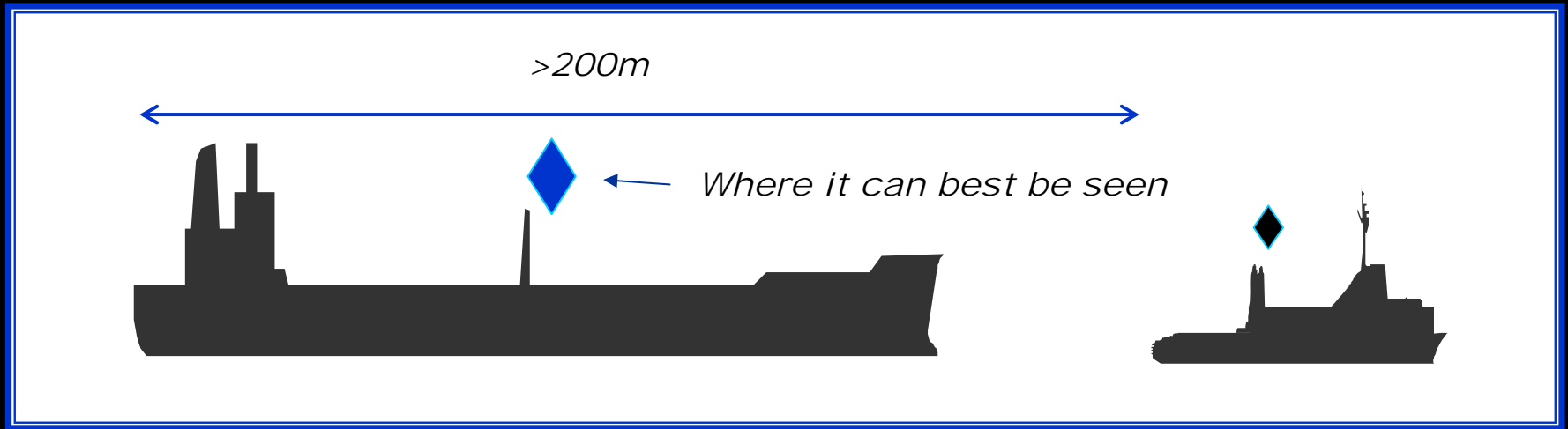


TOWING/PUSHING VESSELS

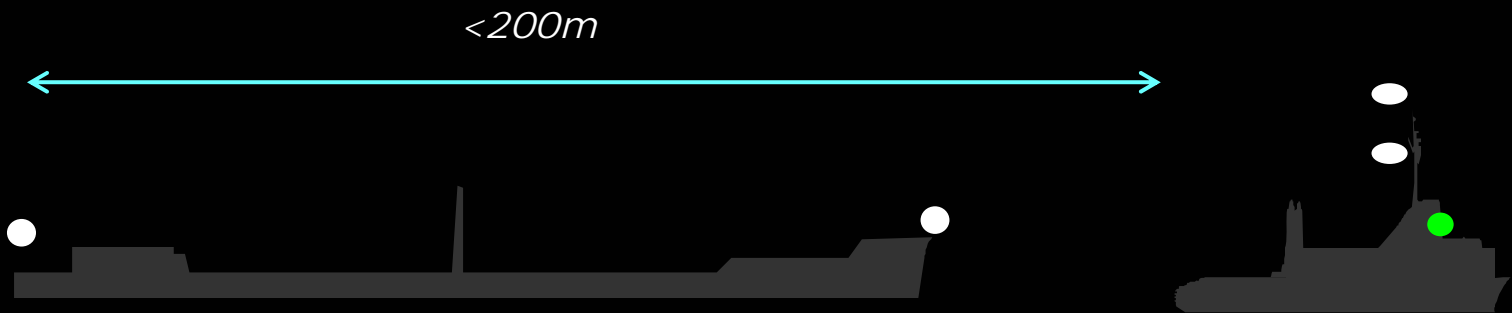
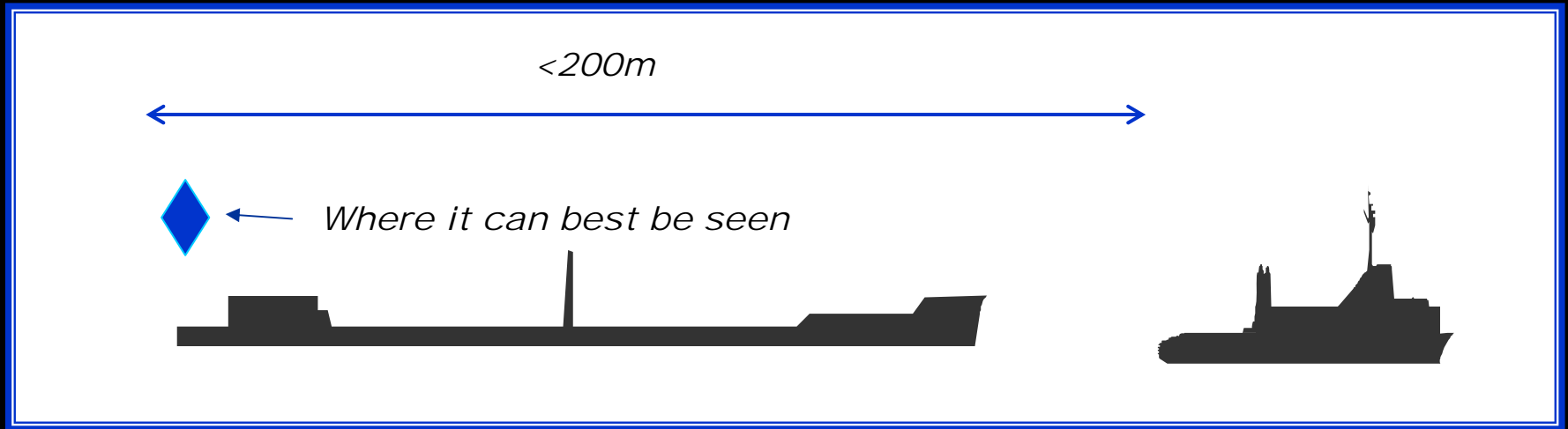
Rule 24 (a) v TOWING SHAPES



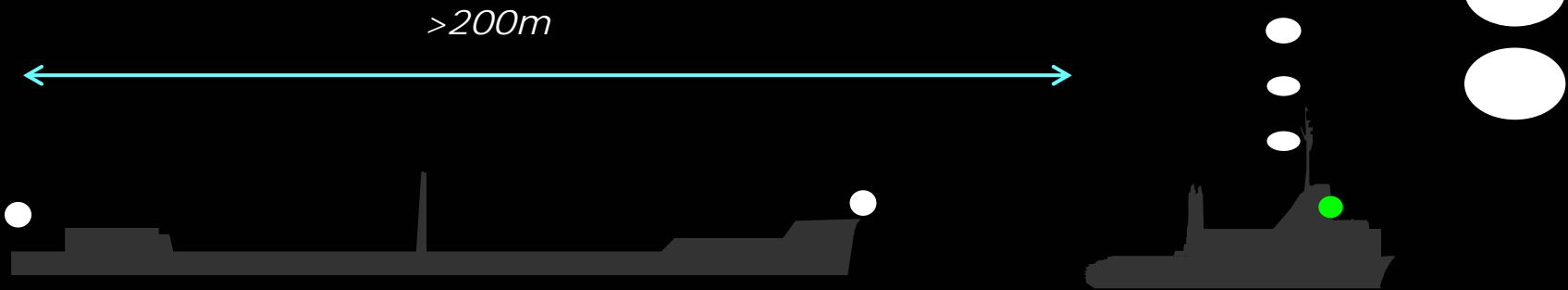
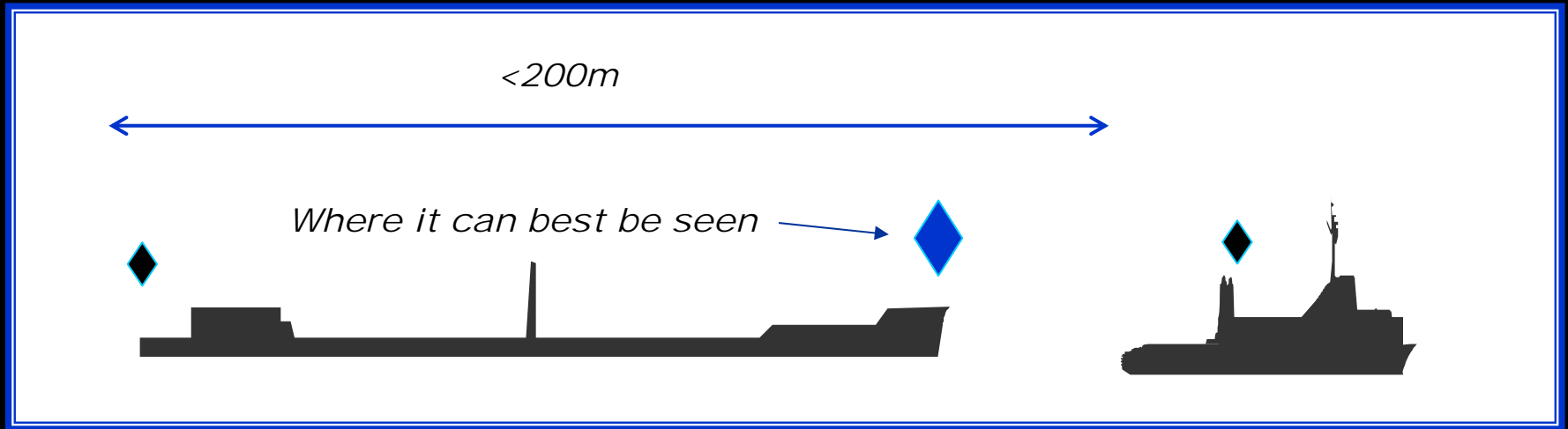
Rule 24 (e) iii TOWING SHAPES



Rule 24 (g) iv TOWING SHAPES



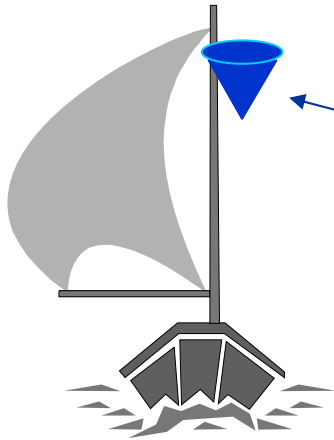
Rule 24 (g) iv TOWING SHAPES





SAILING VESSELS

Rule 25 (e) SAILING SHAPES



Where it can best be seen

Vessels under 12 meters are not required to exhibit a conical shape.

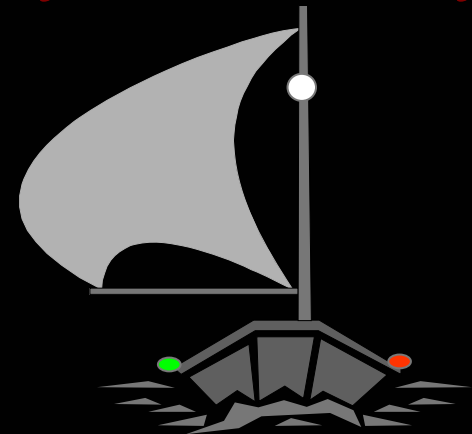


Night

Day

Assisted By Machinery

When under power will show lights as power driven vessel.





FISHING VESSELS

Rule 26 (a)

Fishing Vessels

- *All vessels engaged in FISHING!*
- *Either underway or at anchor*

~ APPLICATION ~

= *Shall only display the shapes prescribed in Rule 26*

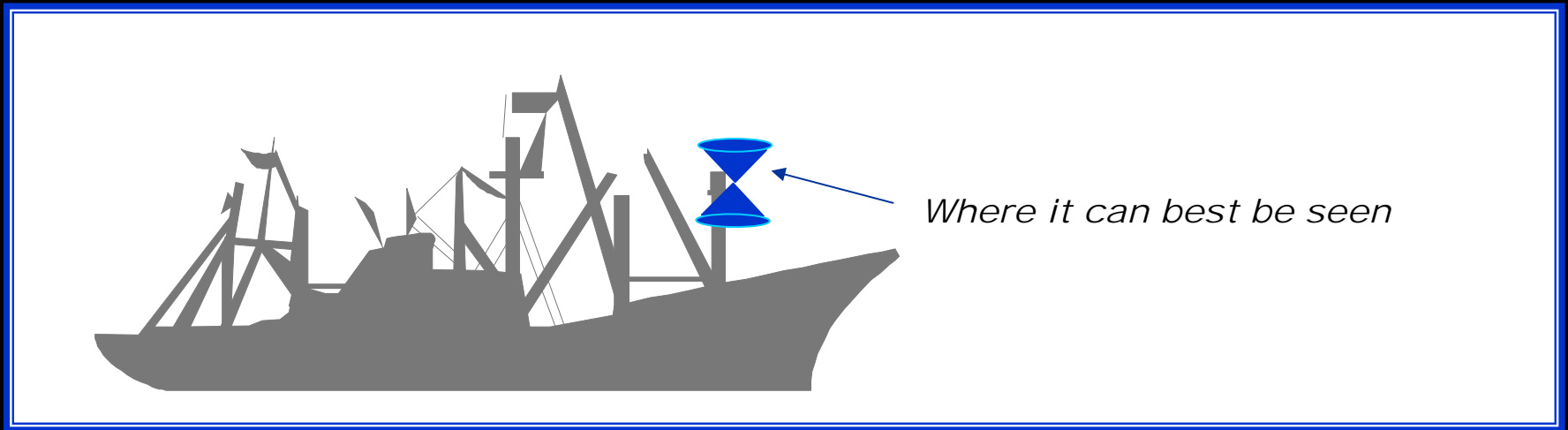
FISHING VESSELS

Remember that understanding how a fishing vessel operates is important.

~ FUNDAMENTALS ~

It will help you recognize its disposition ...and its shapes.

Rule 26 (b) i FISHING VESSELS

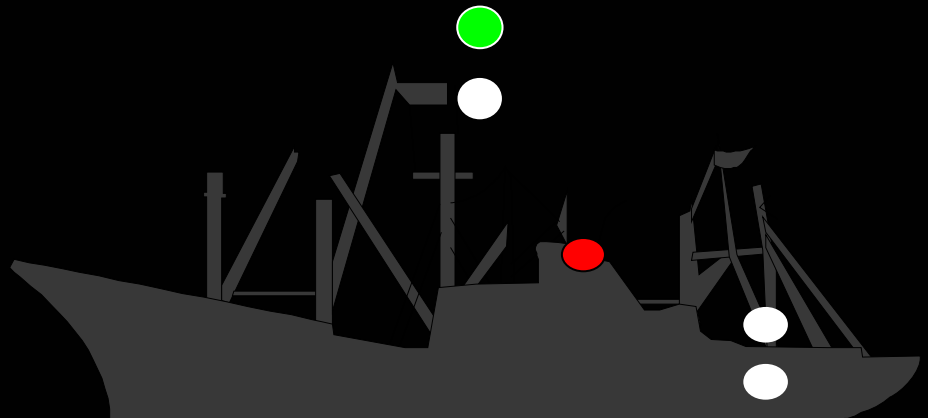


Night

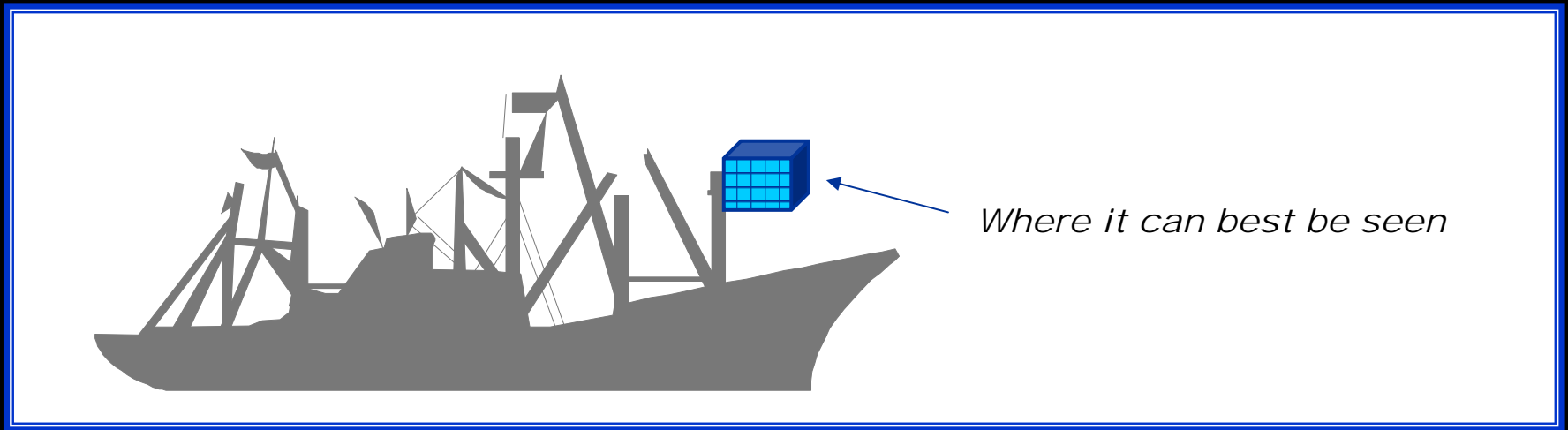
Day

Longer Than 20m

For this Rule it is not the type of fishing vessel that determines the shape but the size.

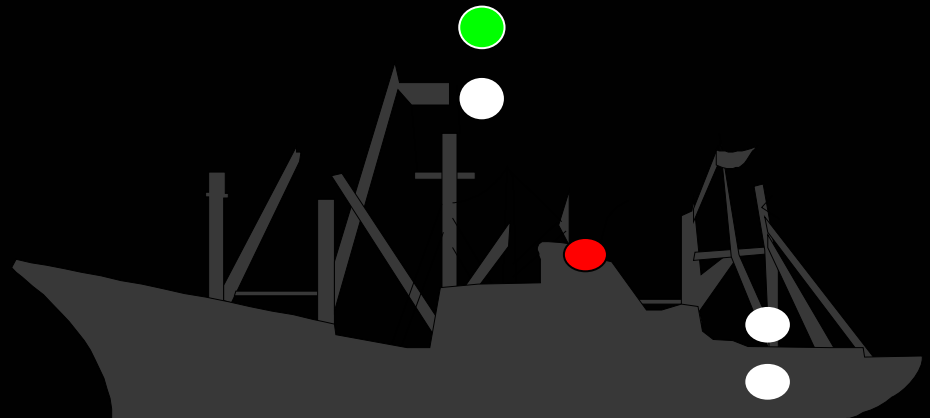


Rule 26 (b) i FISHING VESSELS



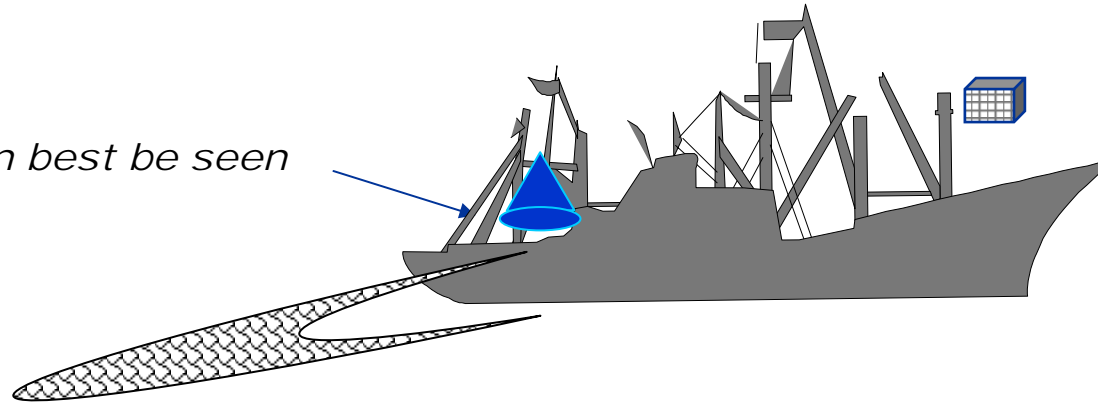
Shorter Than 20m

Fishing vessels shorter than 20m must exhibit a basket when fishing.



Rule 26 (c) ii FISHING VESSELS

Where it can best be seen

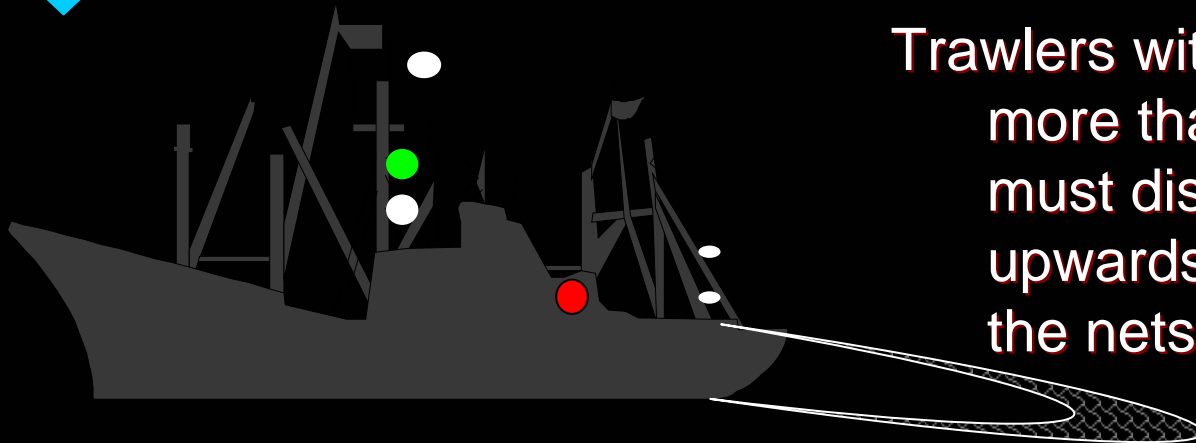


Night

Day

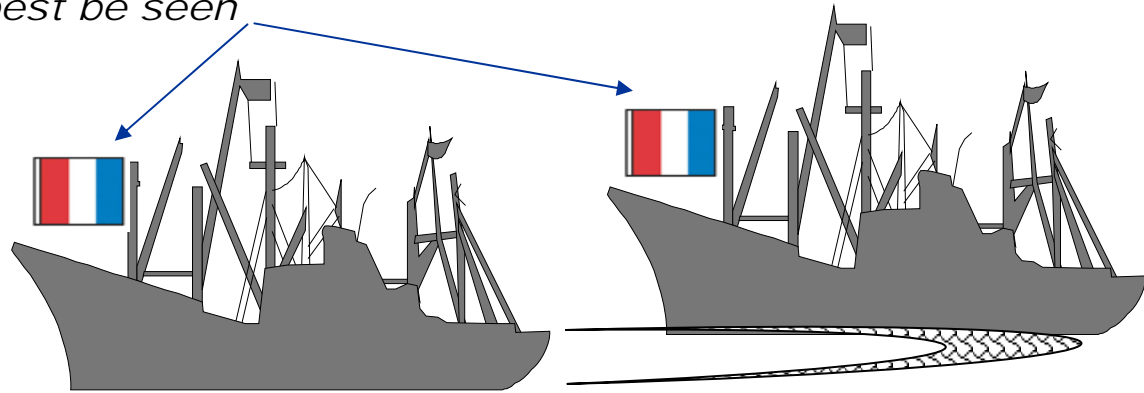
Trawlers with Outlying Gear

Trawlers with gear extending more than 150m horizontally must display an apex upwards and in the direction of the nets.

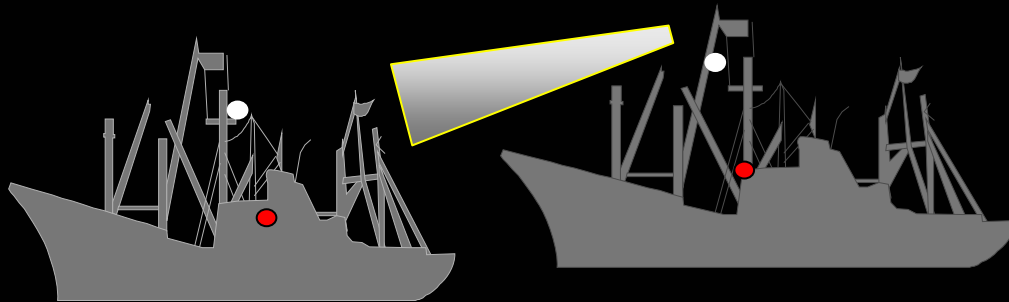


Annex II (4) FISHING VESSELS

Where it can best be seen



PAIR TRAWLING



Pair Trawlers must exhibit the Code Flag 'T' during the day.



Rule 26 ^(f)

Fishing Vessels

- *Rules in Annex II are ONLY recommended for Vessels **less than 20m.***



~ Canadian Modifications ~

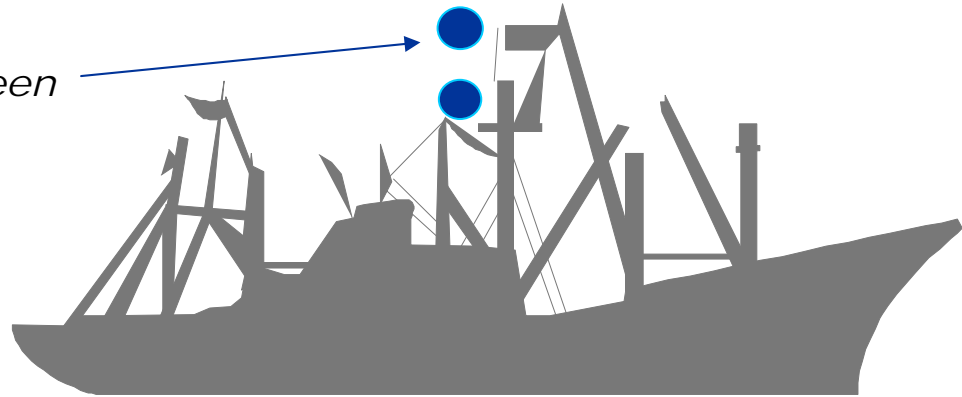
- *Vessels **over 20m** are still required to follow Annex II.*



**VESSELS RESTRICTED
IN MANEUVERABILITY**

Rule 27 (a) iii Hampered Vessels

Where it can best be seen



Night

Day

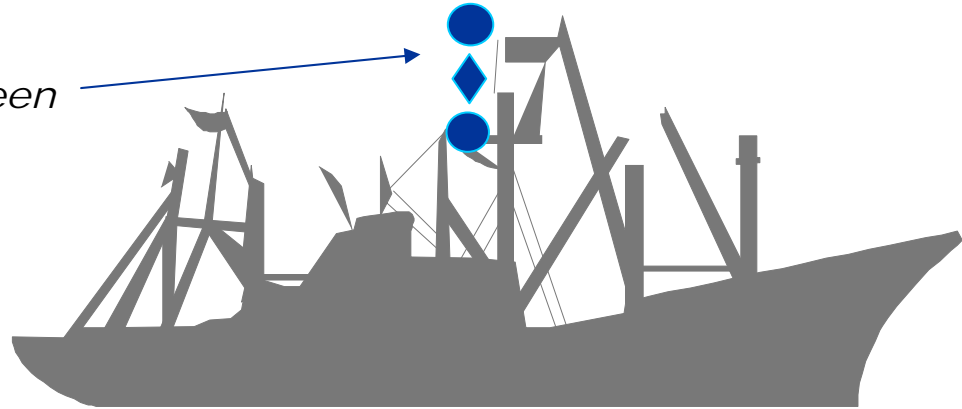
NOT UNDER COMMAND



Two spheres or similar shapes in a vertical line during the day.

Rule 27 (b) iii Hampered Vessels

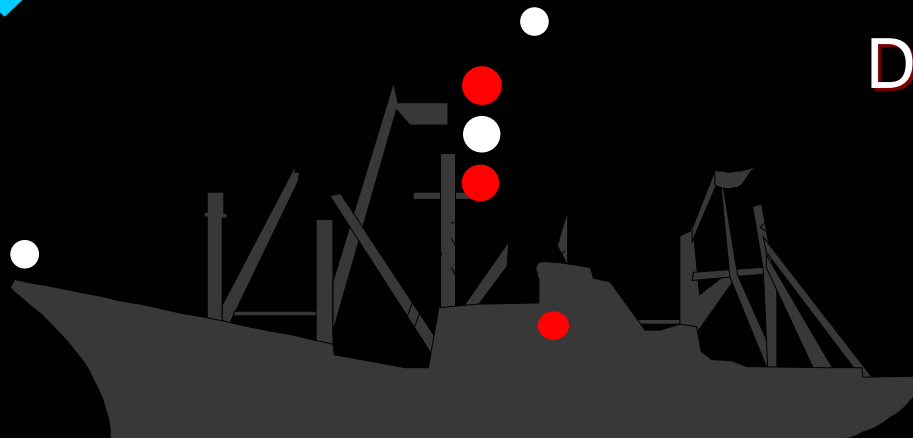
Where it can best be seen



Night

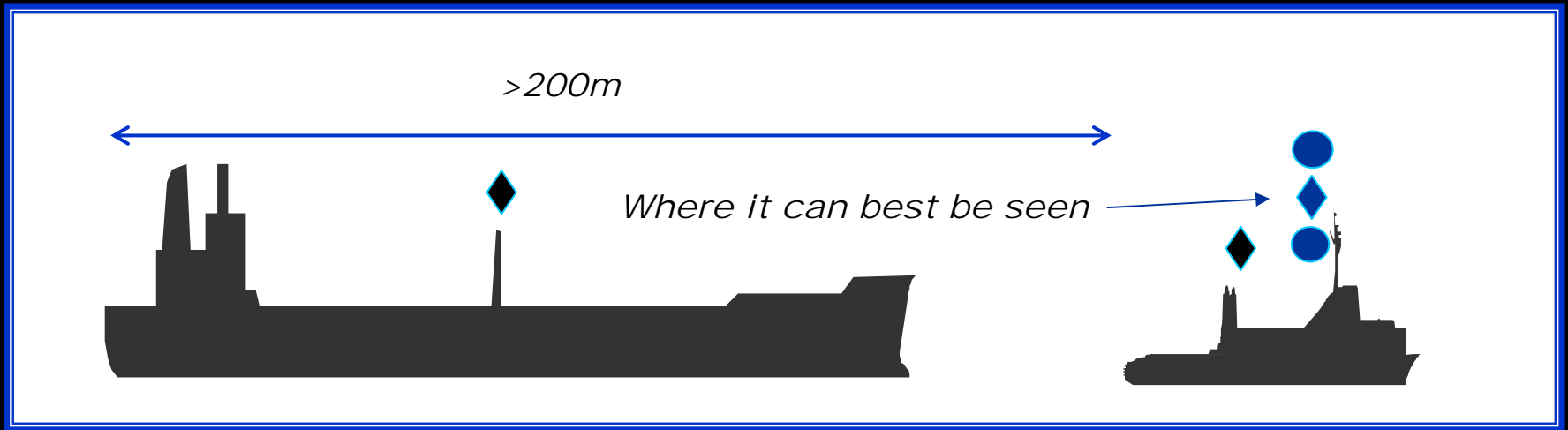
Day

RESTRICTED MANEUVERABILITY



During the day three shapes in a vertical line, the two outer are spheres and the middle a diamond.

Rule 27 (c) Hampered Vessels

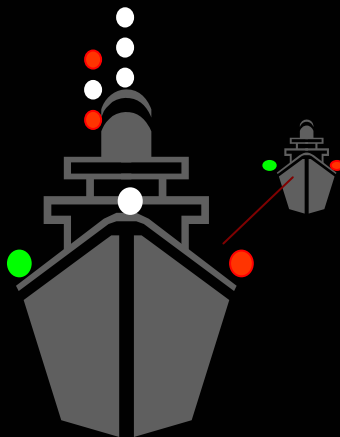


Night

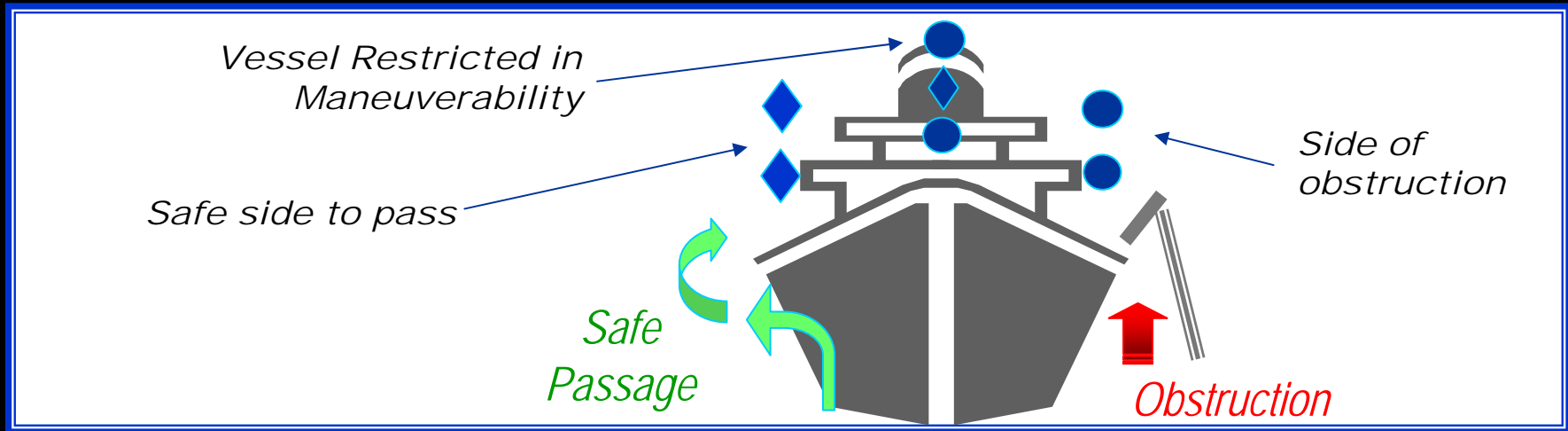
Day

A RESTRICTED TOW

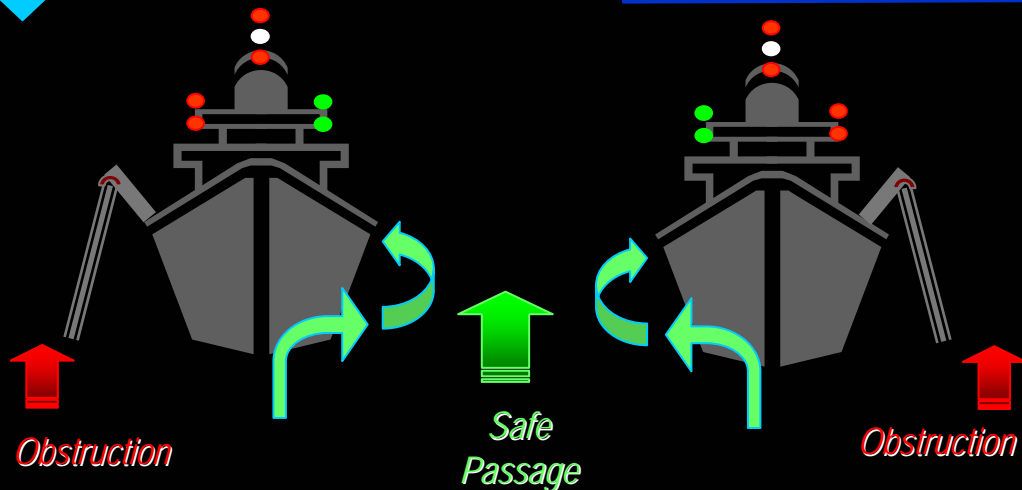
In addition to the Shapes prescribed in Rule 24 a tug severely restricted by her tow will show lights for her restriction.



Rule 27 (d) Hampered Vessels

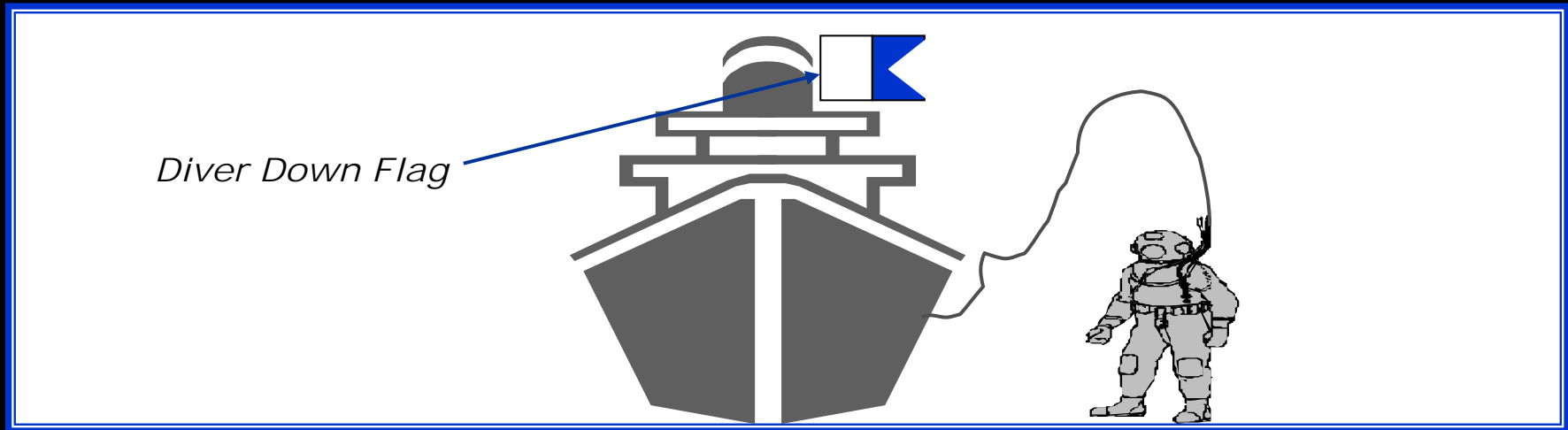


Night Day **VESSEL CONDUCTING WORK**



Vessels carrying out work must identify the safe and dangerous sides to work.

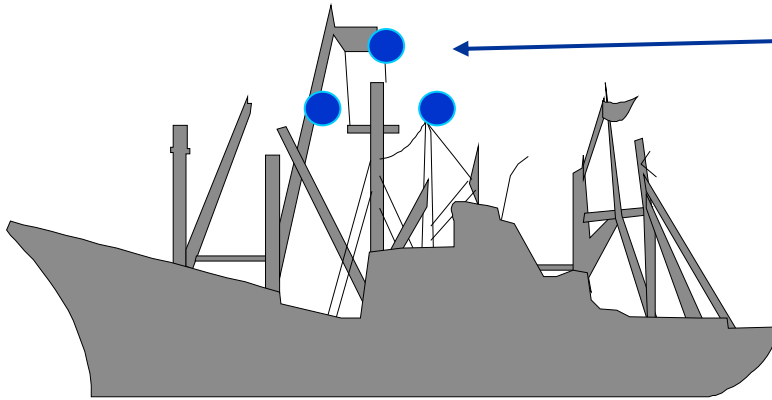
Rule 27 (e) ii Hampered Vessels



DIVING OPERATIONS

The Code 'A' or Alpha flag is internationally recognized as a vessel engaged in diving operations.

Rule 27 (f) Hampered Vessels



Three balls positioned on the foremast. One on top of the foremast, the other two on each end of the foreyard

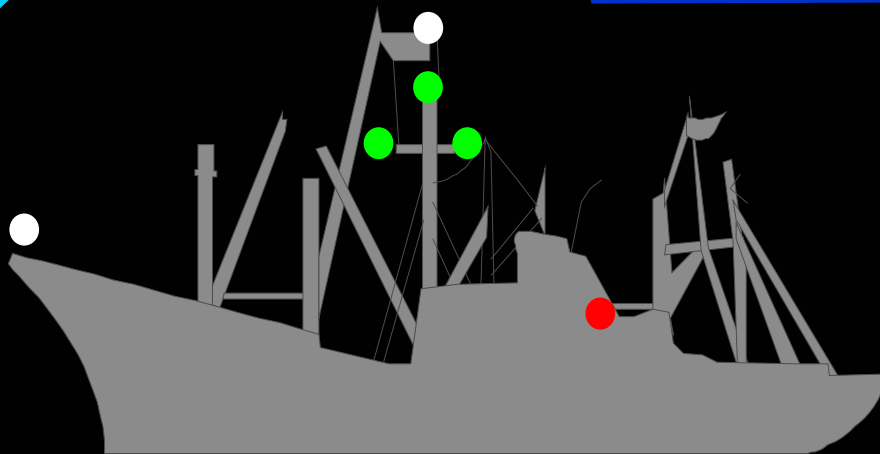
Night

Day

MINESWEEPERS

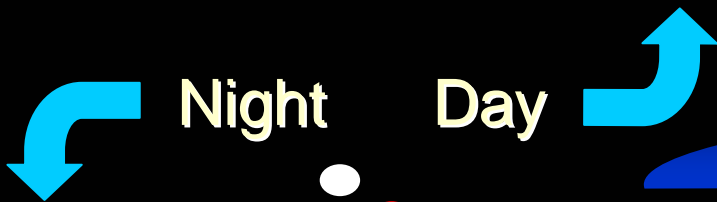
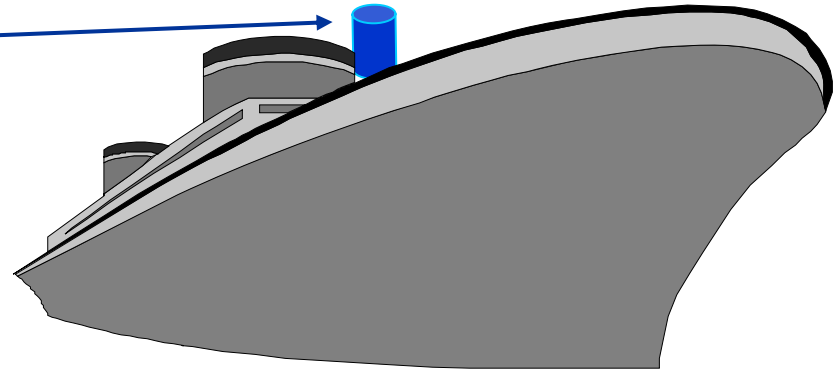
The Shapes resemble the Lights.

Remember to stay clear 1000m.



Rule 28 (a) Hampered Vessels

A vessel constrained by her draft will exhibit a cylindrical shape near her mast



CONSTRAINED BY DRAFT

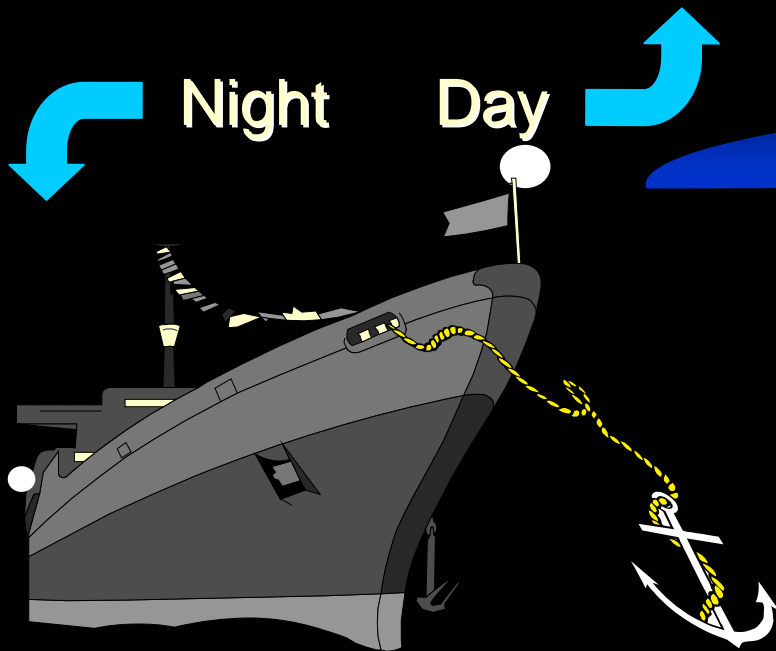
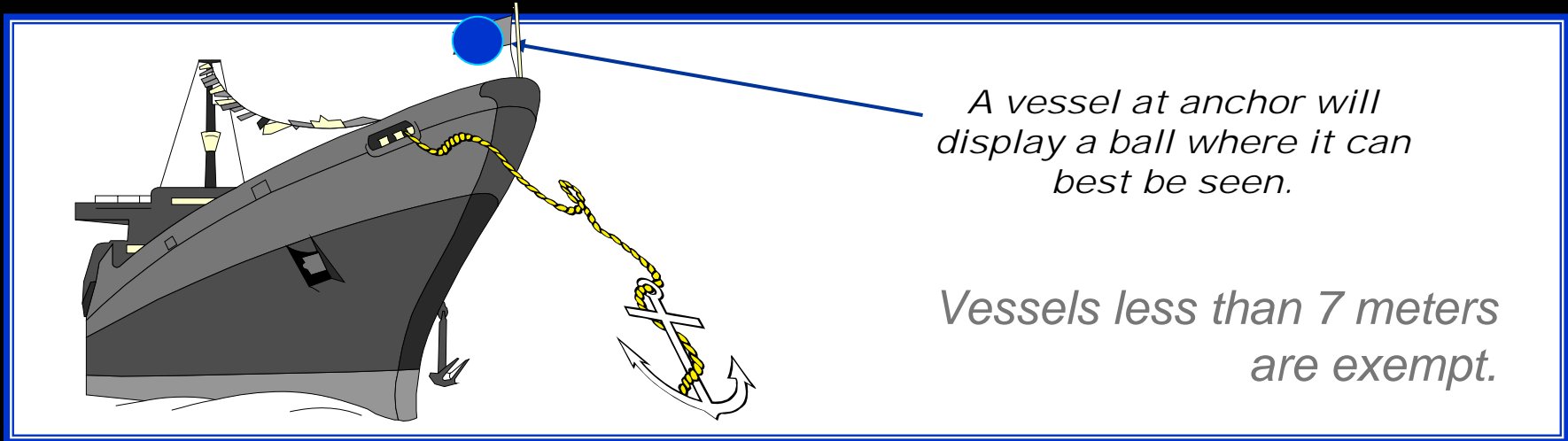


Vessels shall not exhibit cylindrical shapes or three red lights in a vertical line in Canada.



VESSELS with SPECIAL CIRCUMSTANCES

Rule 30 (a) i Anchored & Aground

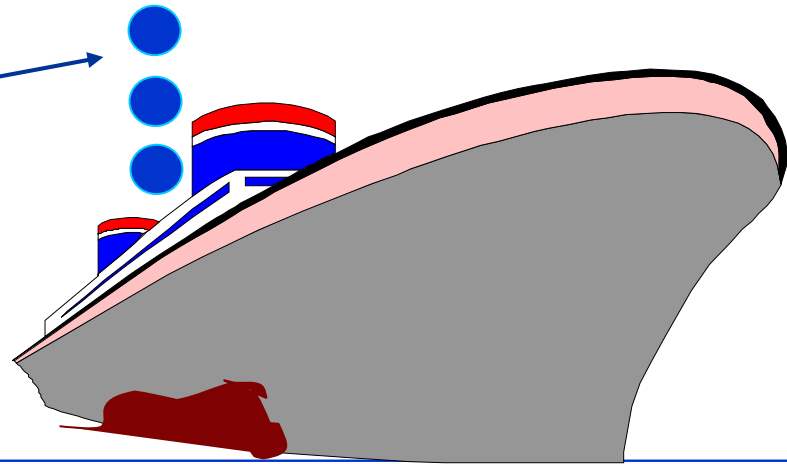


ANCHORED

Vessels at anchor shall exhibit a ball where it best can be seen – usually on the forepart of the vessel near the anchor.

Rule 30 (a) i Anchored & Aground

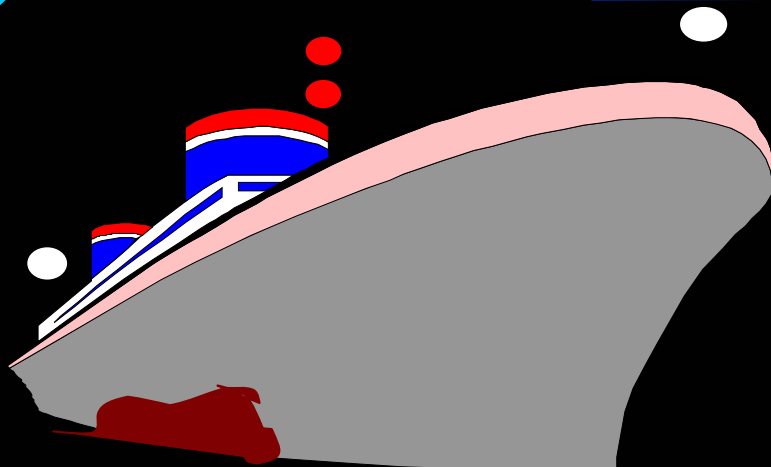
A vessel aground shall exhibit three balls where they best can be seen.



Night

Day

AGROUND



Vessels aground will display three balls in a vertical line. Approach cautiously!

CAUTION!

Remember – vessels less than 12 meters are not required to exhibit shapes indicating they are aground. *(Rule 30(f))*

Summary

- Shapes are straight forward when broken into components
 - Keep an open mind
- Think about the vessel's different aspects
 - Remember that the shapes tell a vessel's disposition



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WARNING!



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Thank you.