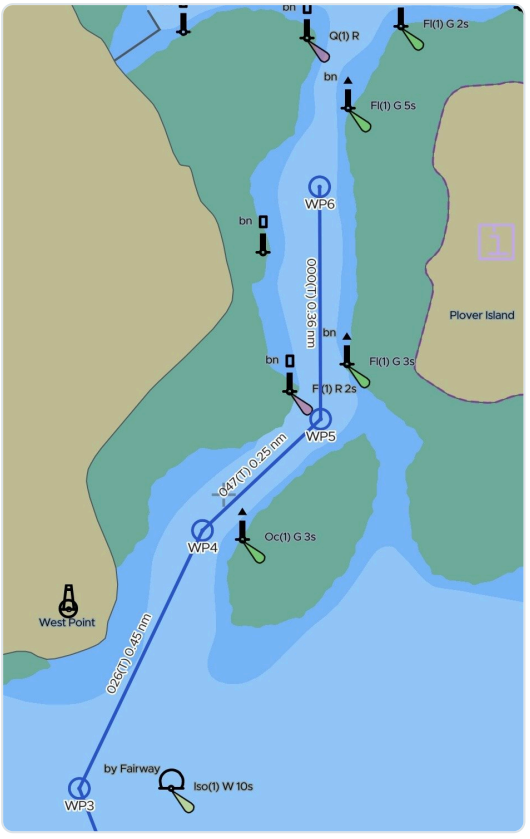
Exercise 3 – Collision avoidance

20 minutes

EXERCISE SUMMARY

Learner to … 'Execute a passage starting in the channel to the west of 'Plover Island' to 'Leslie Head' in good visibility. Use the relevant controls to set up guard zones, acquire targets, set vectors and trails to targets and apply the collision regulations as your passage progresses.'

Note: This exercise heads South from the previous exercise finishing location.



Legs 1 - 3 · WP6 – WP3



Legs 4 & 5 · WP3 – WP1

PREVIOUS KNOWLEDGE, UNDERSTANDING OR SKILLS

Has developed the capability during exercises 1 & 2 to be able to set-up the radar prior to the commencement of the passage. Can effectively undertake a passage switching between available views and adjusting radar settings as relevant.

AIM

To develop an understanding of how to set up the radar and then utilise its features to best effect to monitor other vessels.

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DESIRED LEARNING OUTCOMES

- Understands how to switch on and adjust dual guard zones, set safe distance, set alarms, adjust vector and trail lengths.
- Understands benefits of relative vs true vectors and trails and can adjust them.
- Can optimise radar set up for collision avoidance and then undertake a passage monitoring other vessels and determine whether they present a risk of collision.

SESSION RUNNING ORDER

- Learners to optimise the radar set up before starting engine and departing.
- Learner to be prompted to manually acquire any targets outside the set guard zones.
- Learner to monitor all targets and regularly switch between true and relative vectors as a means to get to develop their understanding of what each view tells them and the benefits of each.
- Learners to adjust vector lengths to develop understanding of this feature.
- Learner to lay an EBL on a targets that do and don't present risks of collision as a means to experience the effectiveness of the EBL as a means to determine risk of collision.
- Learners to click on targets to interrogate target information and to be prompted to review target list for same reason.

Leg 1 — **205°T**
Waypoint 6 (Start position) to Waypoint 4 by eye. Then from Waypoint 4 on heading.

Leg 2 — **160°T**
Waypoint 3 to Waypoint 2

Leg 3 — **180°T**
Waypoint 2 to Waypoint 1

STRETCH OPTIONS AND OTHER COMMENTS

Alarms are both visual and audible. Whilst temptation will be to switch off the sound to limit the audible alarms, on this exercise it is recommended that sound is left on as a means to highlight benefit of audible alarms and to provoke discussion around the risks of silencing alarms.

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