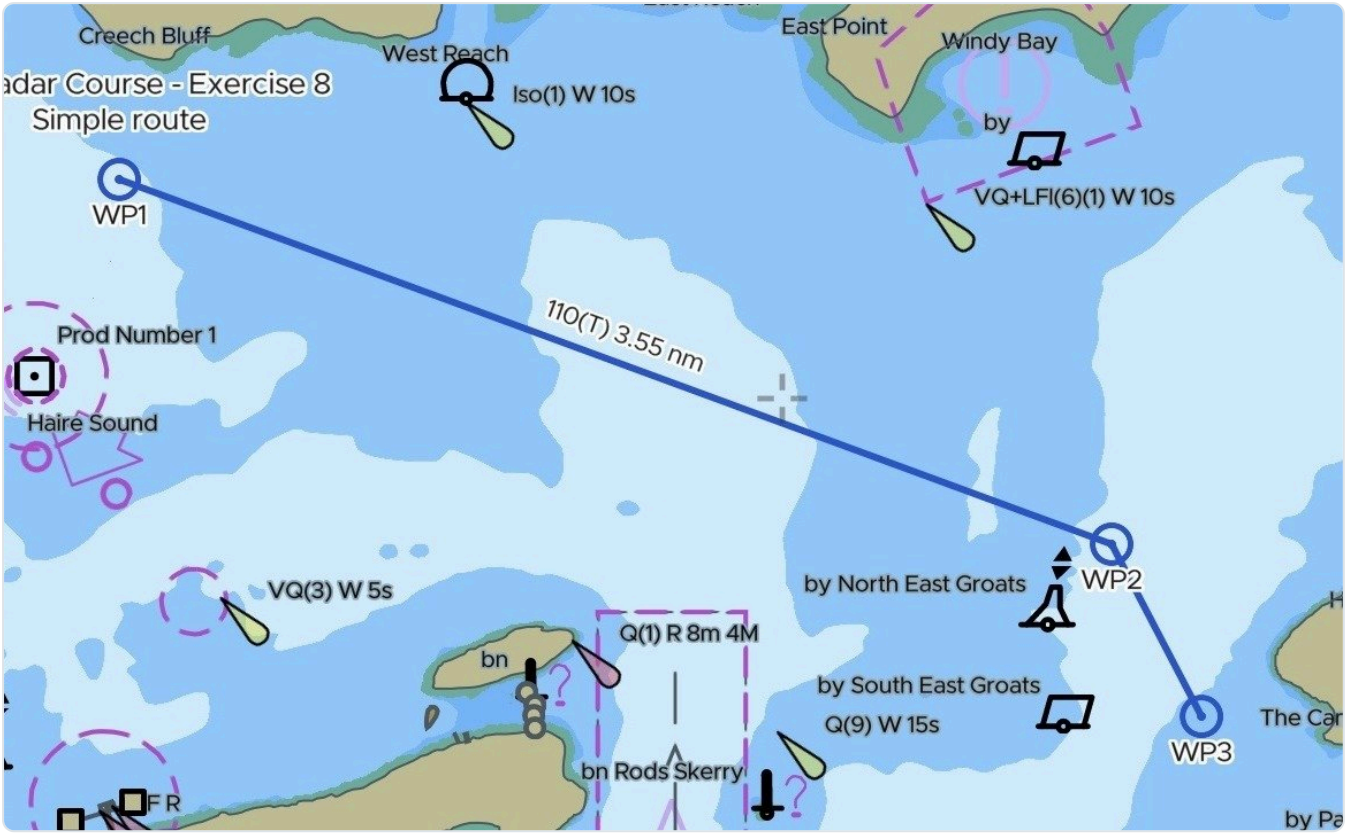
Exercise 8 – Search and Rescue Transponder (‘SART’)

15 minutes

EXERCISE SUMMARY

Learner to … ‘You are checking your position to the south of Beaker Head when a mayday call is heard. The casualty vessel is reporting its position as 0.5Nm to the south west of ‘Camel Head’ on Hinder Island. The casualty reports deploying a SART and they are taking to their liferaft. Proceed to their position and offer assistance.’



Legs 1 & 2 · WP1 – WP3

PREVIOUS KNOWLEDGE, UNDERSTANDING OR SKILLS

Has completed the previous exercises.

AIM

To give learner an appreciation of how a SART will appear on their radar display as they head towards it.

DESIRED LEARNING OUTCOMES

- To be able to recognise a SART and head towards its position determining the likely distance from the casualty as the return from the SART changes as the vessel gets closer to the casualty.

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SESSION RUNNING ORDER

- As exercise starts learner to set-up radar as they have done each exercise. Instructor to ensure learner has vector length set to 6 minutes.
- Instructor to advise that the approximate heading should be 110 deg to keep ‘NE Groats’ east cardinal to pass down their starboard side.
- Suggested speed 25 knots.
- As they get nearer casualty they will encounter a fast moving contact coming in from their port side on a collision course.
- The SART will become visible and the learner can adjust their course accordingly to intercept the casualty.

Leg 1 — 110°T
Waypoint 1 (Start position) to Waypoint 2

Leg 2 — 155°T
Waypoint 2 to Waypoint 3

STRETCH OPTIONS AND OTHER COMMENTS

None

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