



RYA Radar

Aim

This is a one day course to give you an understanding of the use of radar in small boats as an aid to navigation and for collision avoidance, no experience is required.

Syllabus

Basic Understanding of radar wave propagation

Conditions giving rise to abnormal propagation

Radar set components

Function and correct use of controls

Correct setting up procedure

Target definition and discrimination

Spot size, pulse length and beam width

Target characteristics, size, shape, material

False echoes

Shadow sectors shadow diagram

Radar reflectors

Passive and active

Types of radar display

Azimuth stabilization

Types of radar display

The use of radar to avoid a close quarter situation

Appreciation of IRPCS, action to be taken in reduced visibility

General precautions and action to be taken in fog

Use of radar as an aid to navigation

Radar-conspicuous targets, need for positive identification

Parallel indexing (if provided)

Accuracy in range and bearing

PPI distortion, Non-linearity

Heading marker alignment

Checking accuracy of VRM, EBL etc.

General safety precautions in using equipment