

VOR Tracking

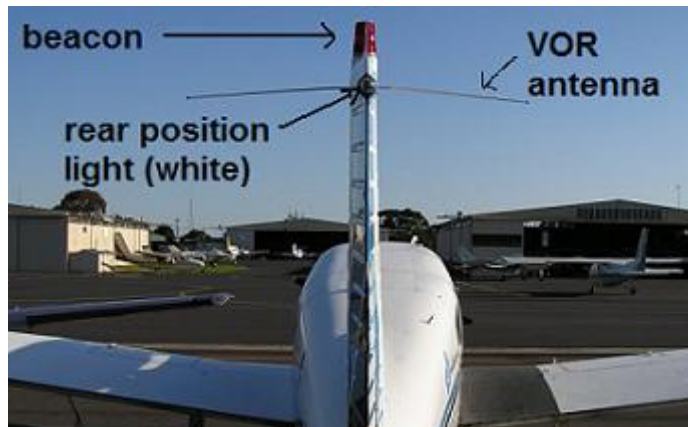
VOR RECAP

How VOR WORKS

Ground Station



Antennas



Receiver

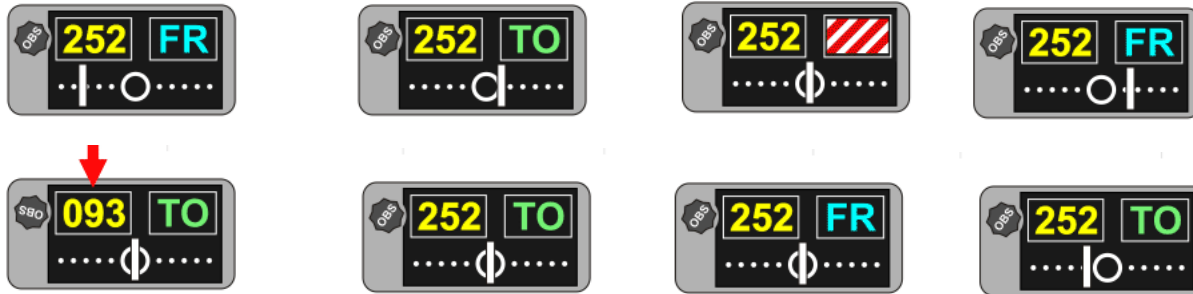


Instrument



VOR RECAP

How VOR works



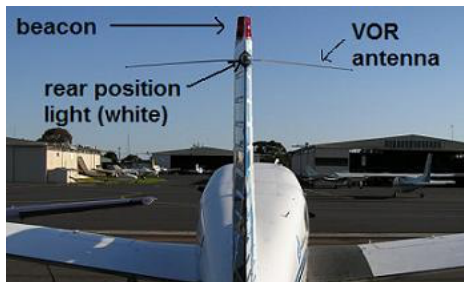
VOR RECAP

How VOR WORKS

Ground Station



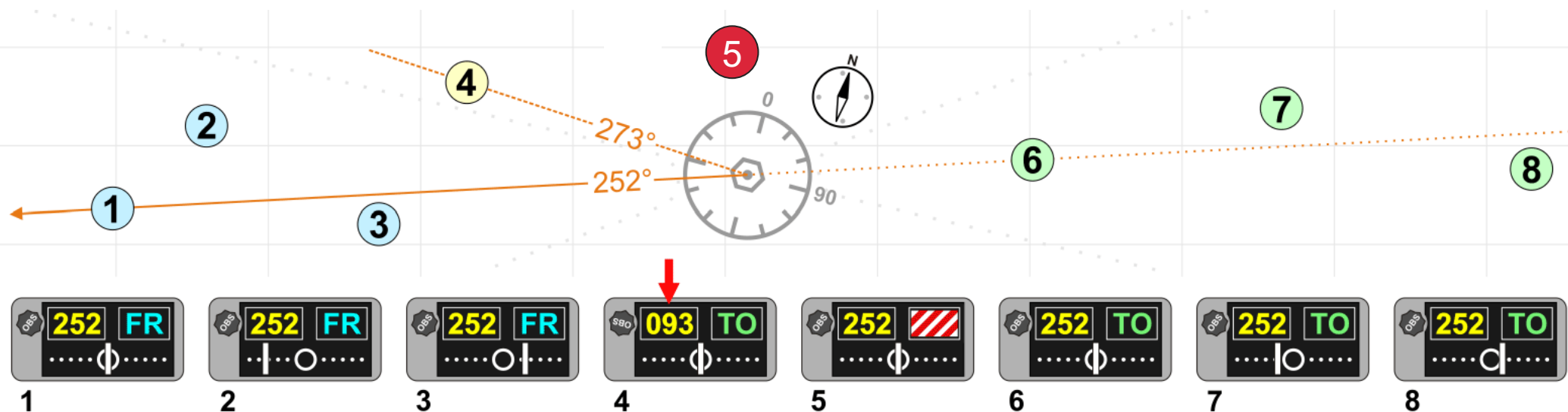
Antennas



Receiver



Instrument



Ex 19: VOR TRACKING - PART 1 - PREFLIGHT

AIM: TO USE THE VOR TO TRACK TO/FROM AND INTERCEPT A VOR RADIAL

- T** OTHER AIRPLANES, INSTRUMENT NOT WORKING, GROUND STATION NOT WORKING
- E** MISREADING DISPLAY, INCORRECT FREQUENCY
- M** LOOKOUT (INSTRUCTOR), DOC, IDENT

- AIP CHECK ENR 4.1

Name of Station/ MAG Var/ VOR Declination	Ident	Frequency (Channel)	Hours of Operation	Coordinates	DME Aerial Elevation	Remarks
DAVENTRY VOR/DME 0.57°W (2019) 0.9°W	DTY	116.400 MHz 111X	H24	521048.51N 0010649.64W	600 ft	VOR/DME DOC: 60 nm/50000 ft (75 nm/ 50000 ft in Sector R286°-346°)

- CHART



NOTAMS

Q) EGTT/QNMAS/IV/BO/E/000/999/5345N00206W025
B) FROM: 18/01/30 08:00 C) TO: 18/04/30 18:00
E) POLE HILL DVOR/DME 'POL' FREQ 112.10 MHZ CHANNEL 058X. BOTH U/S

Ex 19: VOR TRACKING - PART 2 - BRIEF

AIM: To use the VOR to TRACK TO/FROM AND INTERCEPT A VOR RADIAL

- T** OTHER AIRPLANES, INSTRUMENT NOT WORKING, GROUND STATION NOT WORKING
- E** MISREADING DISPLAY, INCORRECT FREQUENCY
- M** LOOKOUT (INSTRUCTOR), DOC, TUNE IDENT TURN STEER CHECK

- TAKEOFF, S&L, 150° HEADING
- VOR SETUP
 - SELECT FREQ: 116.4
 - IDENT - • • / - / - • - -
 - DISPLAY - TURN OBS (CHECK FLAGS)



Ex 19: VOR TRACKING - PART 3 – WIND CORRECTION

AIM: To use the VOR to TRACK TO/FROM AND INTERCEPT A VOR RADIAL

- T** OTHER AIRPLANES, INSTRUMENT NOT WORKING, GROUND STATION NOT WORKING
- E** MISREADING DISPLAY, INCORRECT FREQUENCY
- M** LOOKOUT (INSTRUCTOR), DOC, TUNE IDENT TURN STEER CHECK

- MAX DRIFT

$$\frac{\text{Windspeed} \times 60}{\text{TAS}} \quad \text{or at 90kt} = \text{Windspeed} \times \frac{2}{3}$$

- CLOCK CODE

