

# AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group



ACN Reference:	Version:	Date:	Date of Original
2023 -10-0459	1.0	19/10/2023	19/10/2023

## RADAR CALIBRATION ODIHAM PSR (STAR NG)

**NDS**

**Subject to NOTAM: No**

**Date(s) of activity/Validity:** **Times - ALL TIMES UTC<sup>1</sup>**

23 Oct 23 – 31 Dec 24 23:00 – 05:00 (22:00 – 04:00)

**Vertical Limits:** **Allocated Mode 3A (SSR):**

5,000ft – 20,000ft<sup>2</sup> 0024

**Aircraft Details:** **NDS Approved:**

Type: B200  
Callsign: CLBxxx *Yes – Subject to the conditions in section 2*

**Event Sponsor(s):** **Aircraft Operator(s):**

The Operations Officer Thales Flight Inspection Service Hangar 3 Teesside International Airport Darlington DL2 1NL 01325 335346	The Operations Officer Thales Flight Inspection Service Hangar 3 Teesside International Airport Darlington DL2 1NL 01325 335346
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**ATS Units/ Controlling Agencies:** **Geographical Limits:**

Birmingham 0121 767 1210 Bournemouth 01202 364150 Bristol 01275 473714 Brize Norton 01993 897878 Odiham 01256 367276 Swanwick ACC – WAS 01489 612420 Swanwick LTC – SWA 02380 401110 Swanwick Mil (78 Sqn) – West 01489 612417 Info: Benson, Boscombe Down, Farnborough, Southampton, Yeovilton	
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**Airspace Reservations:**

TRA 002 Wiltshire/Dorset 01489 612495	
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**Departure/Destination Aerodrome(s)** **ACN Issued by:**

EGNV, EGVO AS3

<sup>1</sup> [AIS Temporal Reference System](#): Daylight saving time is UTC plus 1 hour. The expression “summer period” indicates that part of the year in which “daylight saving time” is in force. The other part of the year is named the “winter period”. Times applicable during the “summer period” are given in brackets.

<sup>2</sup> Heights above the radar antenna. See Section 2 for further details.

## **SECTION 1: CO-ORDINATION ARRANGEMENTS (GENERAL)**

1. The pilot/operator is requested to telephone the ATC authorities on the cover prior to departure in order to notify or update the sortie details including area(s) of operation and planned levels (quoting the ACN Reference). A minimum of 24 hours' notice should be given unless specified in Section 2.
2. There may be other aircraft and/or activities outside Controlled/Regulated Airspace unknown to ATC.
3. The carriage and operation of a serviceable transponder (including Mode 'C') has been specified.
4. The pilot will be responsible for obtaining all necessary ATC clearances and for maintaining R/T contact with appropriate ATC authorities.
5. The pilot/operator will be responsible for obtaining prior clearances to enter any UK Danger Areas affected by the flight profile from the appropriate Range Control Authority unless this is specifically detailed in Section 2.
6. Other Unusual Aerial Activities (UAAs) may be notified to the CAA Safety and Airspace Regulation Group (SARG) and may take place within the airspace encompassed by this flight. The pilot/operator is to ensure that UK Daily NOTAM Nav Warnings are consulted prior to each flight.
7. All flights within Controlled Airspace are subject to the requirements of a Flight Plan in accordance with UK AIP ENR1.10. The ACN Reference should be entered into Field 18 of the Flight Plan together with any relevant 'special handling' codes.
8. Flight prioritisation and Non-Deviating Status is in accordance with the information specified on the ACN Cover. Such status may be afforded to part or all of the flight – see Section 2.
9. Availability of an ATS from Plymouth Military, Swanwick Military (78 Sqn) or Western Radar is subject to unit capacity, priorities and limitations of radar and radio coverage. Minimum pre-flight notification as per UK AIP ENR 1.6 unless otherwise specified in Section 2 of this ACN.
10. The CAA actively encourages the use of Moving map technology in the planning and flying phases of flights to reduce the risk of airspace infringements.

## **PUBLICATIONS AND CHANGES**

11. The activity area may lie within Controlled and Uncontrolled Airspace as well as airspace reserved for military use. Aircrew are to thoroughly familiarise themselves with UK airspace structures and procedures, in particular those laid down within the UK Aeronautical Information Publication (UK AIP), ENR 1.1 and be fully conversant with UK Flight Information Services in accordance with UK CAP 493 (MATS Pt 1).
12. The CAA VFR 1:500,000 and 1:250,000 charts and the UK AIP ENR 5 depict some, but not all aviation activity sites and amendments should also be checked. Please refer to <http://www.nats-uk.ead-it.com>
13. This ACN details specific coordination essential to the activity taking place and does not remove the need for aircraft operators to comply with national flight planning and notification procedures. Pilots and ANSPs are required to ensure that all related aviation sites are aware of this planned activity and of subsequent changes not captured within this document.
14. The Sponsor or Event Organiser should co-ordinate any changes to this ACN with SARG quoting the ACN Reference at the top of the page.

Airspace Regulation (Utilisation) – AS3  
Email: [AROps@caa.co.uk](mailto:AROps@caa.co.uk)  
Tel: 01293 983880

## SECTION 2: CO-ORDINATION ARRANGEMENTS (SPECIFIC)

15. This ACN details the profiles to conduct a routine calibration of the RAF Odiham STAR NG Primary Radar. The radar is located within the aerodrome boundary (511344N 0005627W). **It replaces ACN 2022-09-0106.**

16. **Notification.** The sponsor is to notify the agencies listed on page one of this ACN at least one week prior to undertaking the task. In addition, the pilot is to contact the appropriate agencies at least 4 hours prior to departure to confirm final details and availability of an ATS.

17. Odiham ATC are requested to inform adjacent ATSUs of the flight check, subject to the radial to be flown.

18. **Priority.** This flight has been afforded Non-Deviating Status (NDS) whilst established on a measured run only and within Controlled Airspace (CAS), (*UK AIP ENR 1.1 (4.2) & CAP 493 – Section 1, Ch4, Para 17 refers,*). In order to reduce the impact to other airspace users, the controlling authority may request that the pilot hold, or accept radar vectors in order to make best use of the airspace, or to reduce overall delays. At all other times, flight has been categorised as CAT Z, (*CAP 493 – Section 1, Ch4, Para 10c refers,*) and attracts no priority.

19. **Levels.** The aircraft will be required to operate at the following vertical altitudes & heights. The D Value<sup>3</sup> will then need to be added or subtracted, (value to be confirmed by the sponsor prior to departure), and the converted to a flight level (if above the transitional altitude). The sponsor is responsible for this conversion and confirm the exact requirement with the controlling agency prior to each run:

a.	20,000ft	65nm – 45nm	minimum of 3 runs required
b.	20,000ft	58nm – overhead	1 run required
c.	10,000ft	65nm – 45nm	minimum of 3 runs required
d.	5,000ft	55nm – 35nm	minimum of 3 runs required

20. **Radials.** The radials required by the aircraft are subject to wind speed and direction and may vary. A single radial will be chosen between:

- a. Primary Radials      280<sup>04</sup> or 338<sup>0</sup>
- b. Secondary Radials    246<sup>0</sup>, 332<sup>05</sup>

21. **Orbits.** No orbits will be flown for this check.

22. **Air Traffic Service (ATS) Provision – Controlled Airspace (CAS).** Access to controlled airspace is subject to the prevailing traffic situation and controller workload. The pilot is responsible for obtaining a clearance to enter controlled airspace prior to penetration.

23. **Bristol.** An ATS is only available from Bristol ATC within and immediately prior to entering/on leaving CAS and is subject to traffic.

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<sup>3</sup> D' Values are corrected from ICAO standard atmosphere to actual conditions, thus aircraft on inbound leg may be unable to maintain whole Flight Levels

<sup>4</sup> 280° above 5,000ft only.

<sup>5</sup> 332° above 5,000ft only.

24. **ATS Provision – Outside CAS.** The calibration area is within the coverage of the following units:

- a. Bournemouth
  - i. 119.480 MHz            246°
- b. Brize Norton
  - i. 124.275 MHz            332° & 338°
- c. Odiham
  - i. 131.300 MHz            SSR Only – ATS may be limited
- d. Swanwick Mil – West
  - i. 128.700 MHz            332° & 338°
  - ii. 135.150MHz            246° & 280°

25. Availability of an ATS from a unit is not guaranteed, is subject to controller availability, unit workload and possible reduced hours of operations. Amendments to the published hours of availability, as listed in the UK AIP ENR 1.6 – Para 4.1, AD2 or UK Military AIP, shall be notified via NOTAM.

26. **ATS Provision above FL100.** This service is available to all aircraft flying outside Controlled Airspace in the UK FIRs between FL 100 and FL 190, and within active TRAs and is subject to Unit capacity. The Unit providing this service together with their boundaries are depicted within the UK AIP on the chart ENR 6-12. ENR 1.6 (4.2) lists their hours of operation, the RTF operating frequency on which this service is normally provided and a telephone number for pre-flight contact. A FPL should be filed and include the following addresses:

- a. EGZYOATT    Swanwick Mil (78 Sqn)

27. Amendments to the published hours of availability, as listed in the UK AIP ENR 1.6 – Para 4.2, shall be notified via NOTAM.

28. Between the hours of 18:00 to 08:00 (local time) on a weekday, at any time on a weekend or during a UK public holiday, Swanwick Mil (78 Sqn) require at least two weeks prior notice in order to obtain an ATS in support of this task.

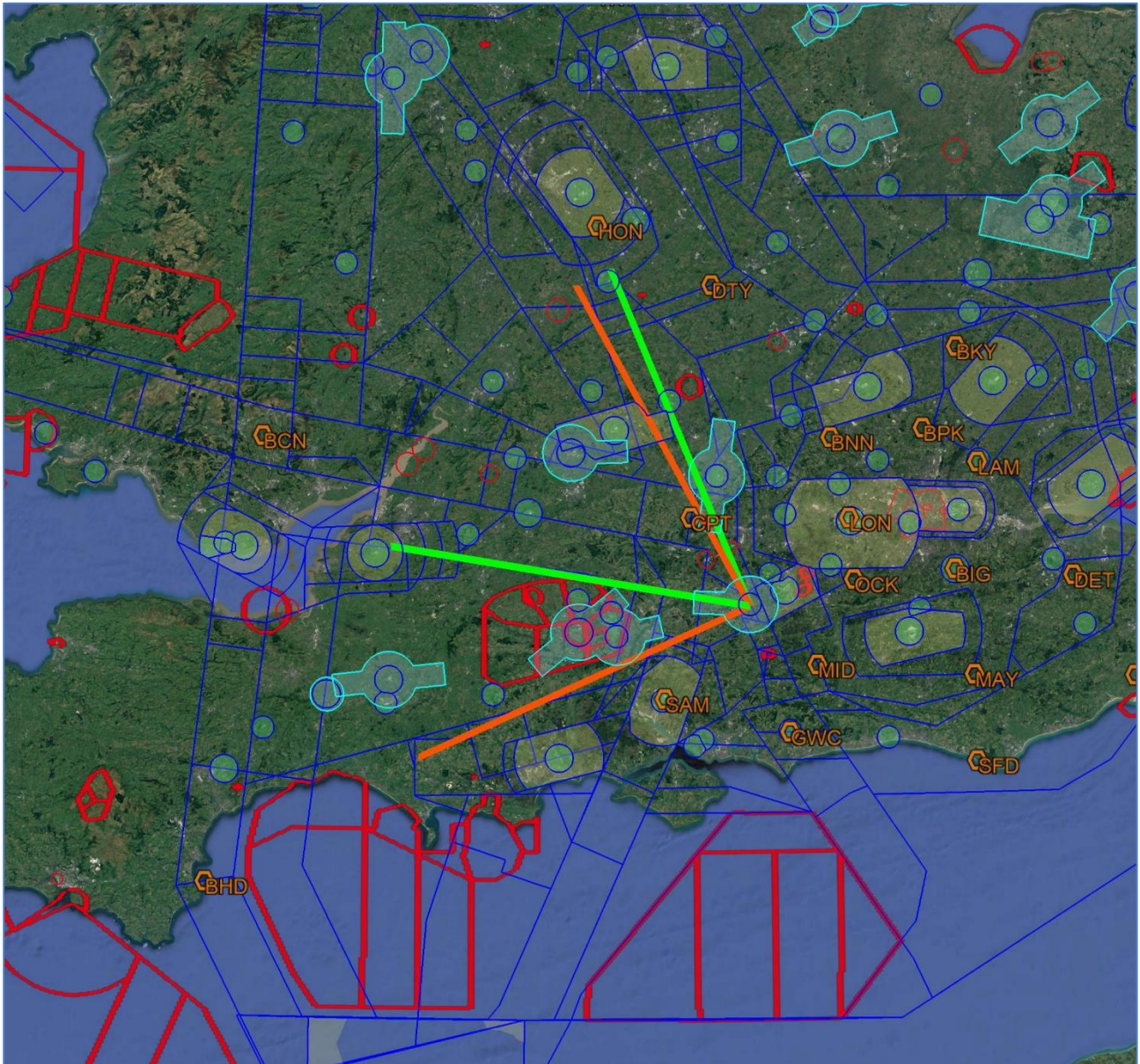
29. **Temporary Reserved Areas (TRA).** The sponsor is responsible for complying with the requirements for access to any TRA iaw the UK AIP – ENR 1.1 (Para 5.1.5).

### SECTION 3

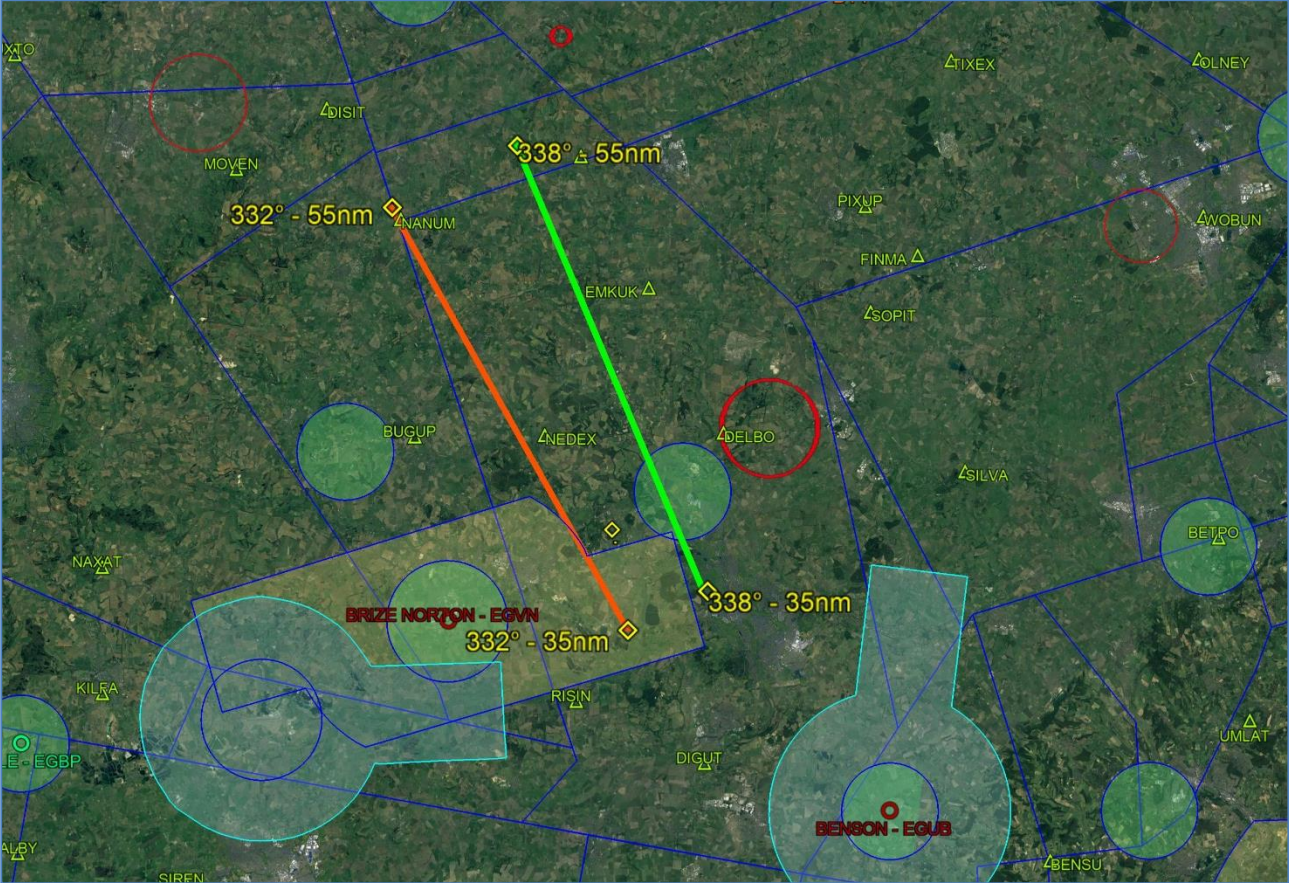
#### Area of Operation

30. Charts highlighting the area of operation are shown below. These are for illustrative purposes only and not for operational planning.

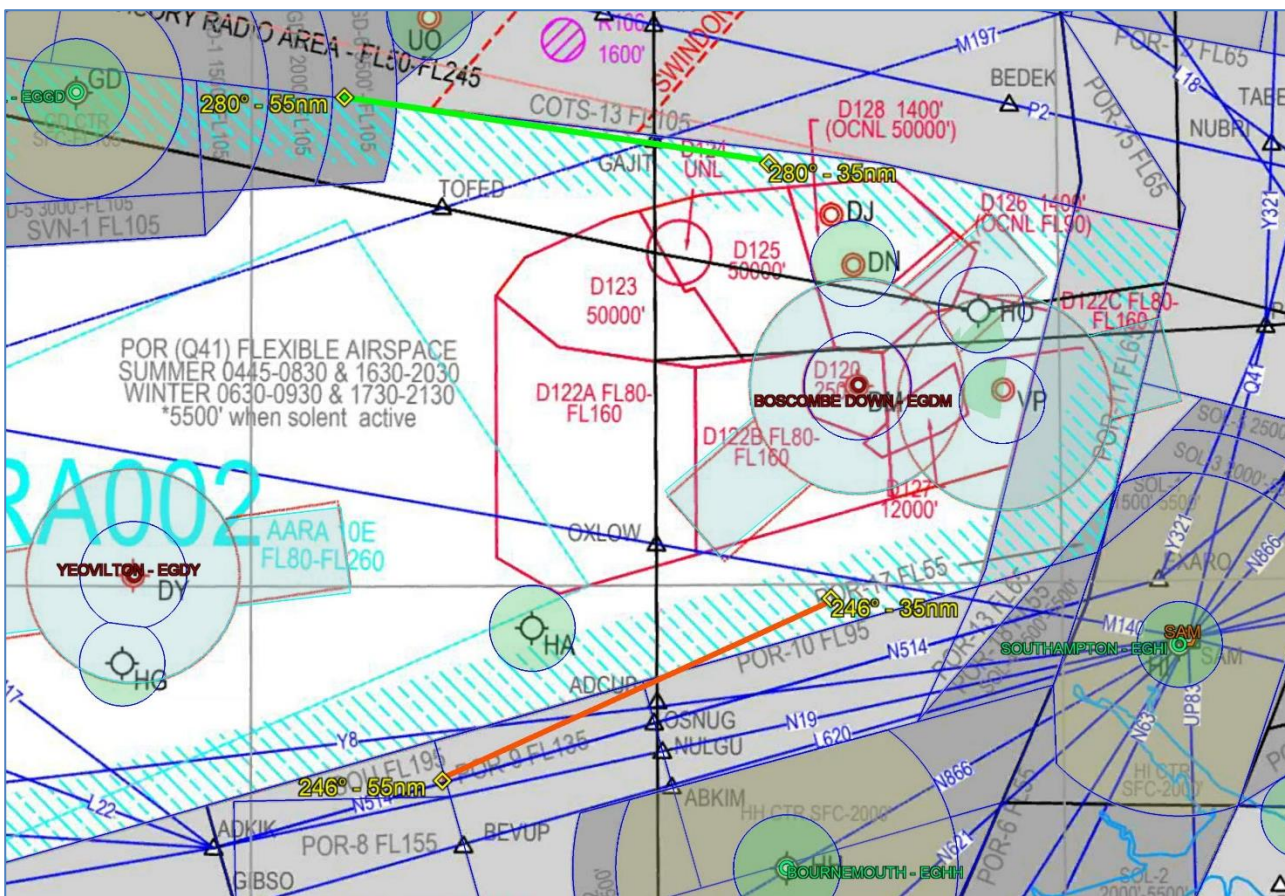
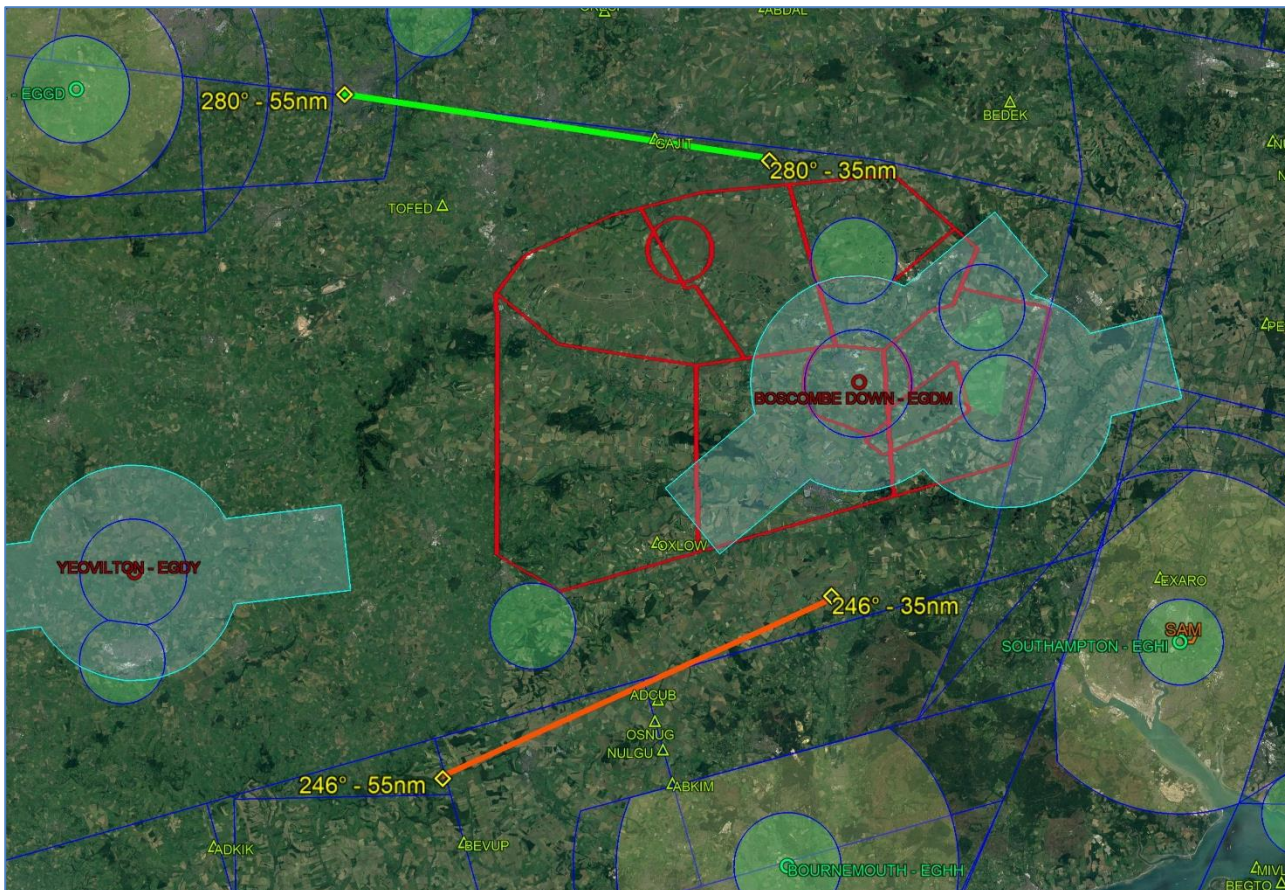
**Chart 1 – Overview**  
*Green = Primary Radials | Orange = Secondary Radials*



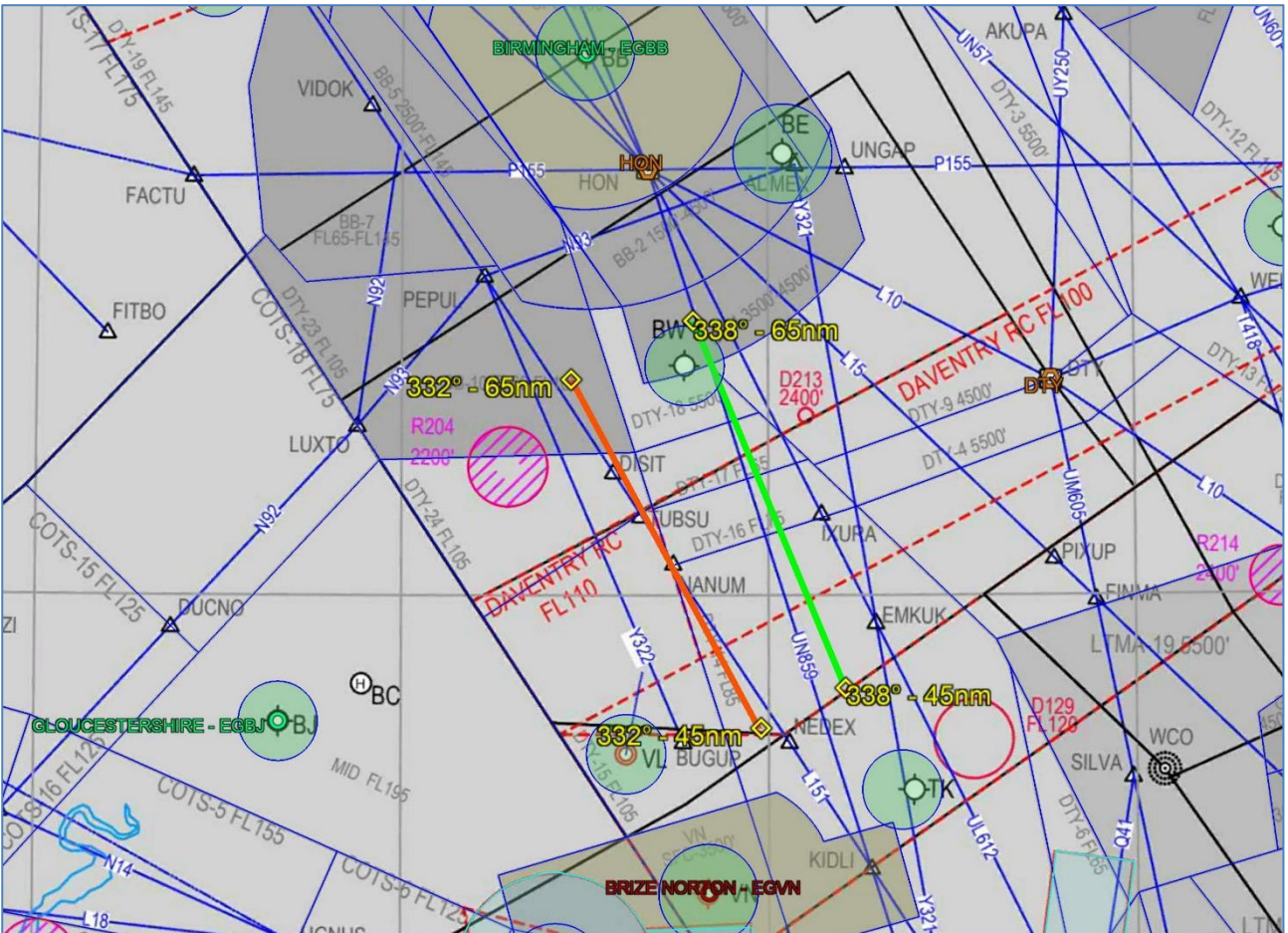
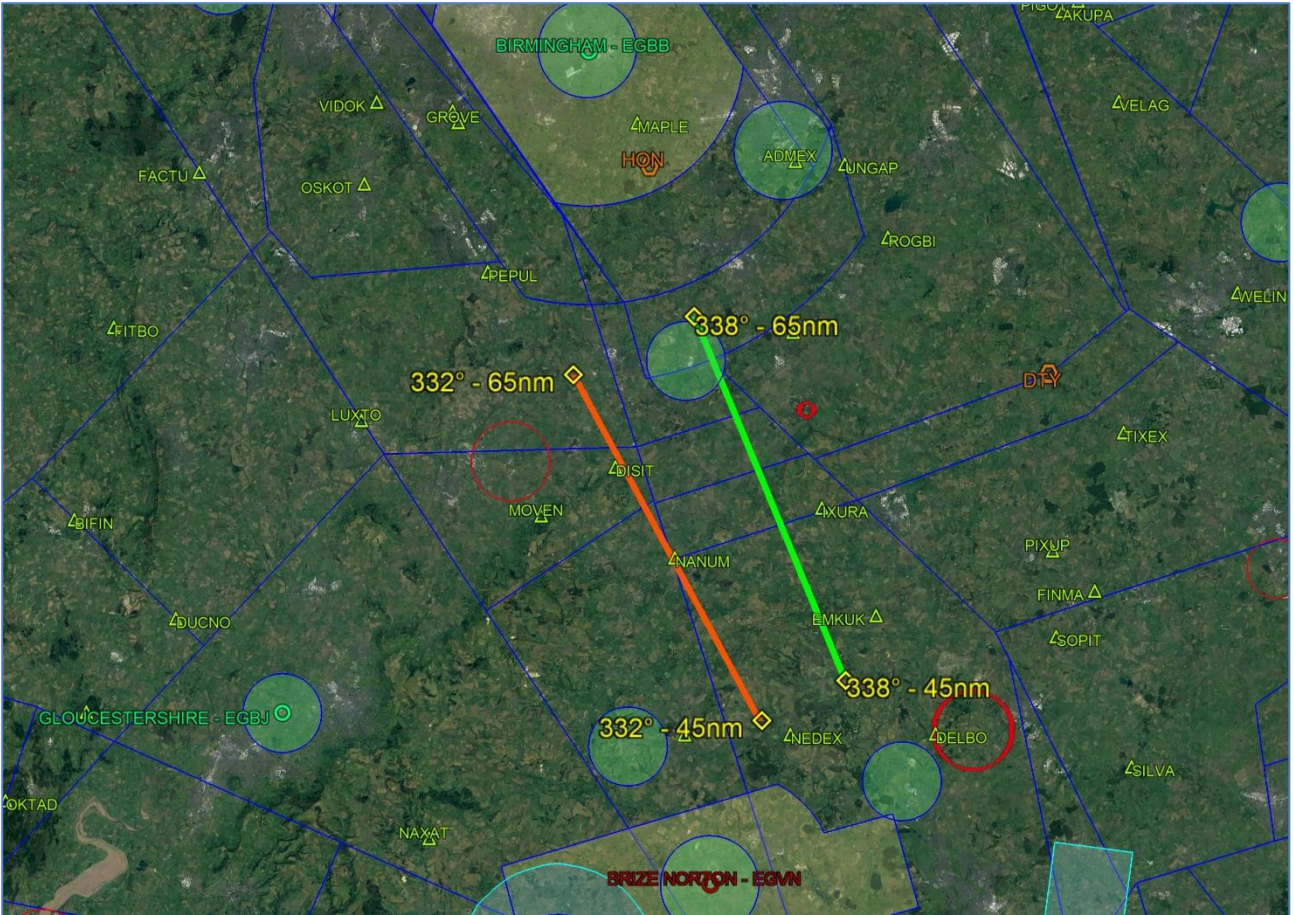
Charts 2 & 3 – 5,000ft



Charts 4 & 5 – 5,000ft



Charts 6 & 7 – 10,000ft & 20,000ft





Charts 8 & 9 – 10,000ft & 20,000ft

