

# AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group



ACN Reference:	Version:	Date:	Date of Original
AR-2023-38283	1.0	03/11/2023	31/10/2023

## RADAR CALIBRATION PORTLAND RSM970

### NDS

**Subject to NOTAM: No**

**Date(s) of activity/Validity:**

13 Nov 23 – 31 May 24

**Times - ALL TIMES UTC<sup>1</sup>**

08:00 – 18:00 (07:00 – 17:00)

**Vertical Limits:**

5000ft- 20,000ft AMSL plus/minus D Value correction then converted to a Flight Level.

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

0024

**Aircraft Details:**

Type: B200  
Callsign: CLBxxx

**NDS Approved:**

**Yes – Subject to the conditions in Section 2**

**Event Sponsor(s):**

The Operations Officer  
Thales Flight Inspection Service  
Durham Tees Valley Airport  
Darlington  
DL2 1NL  
01325 335346

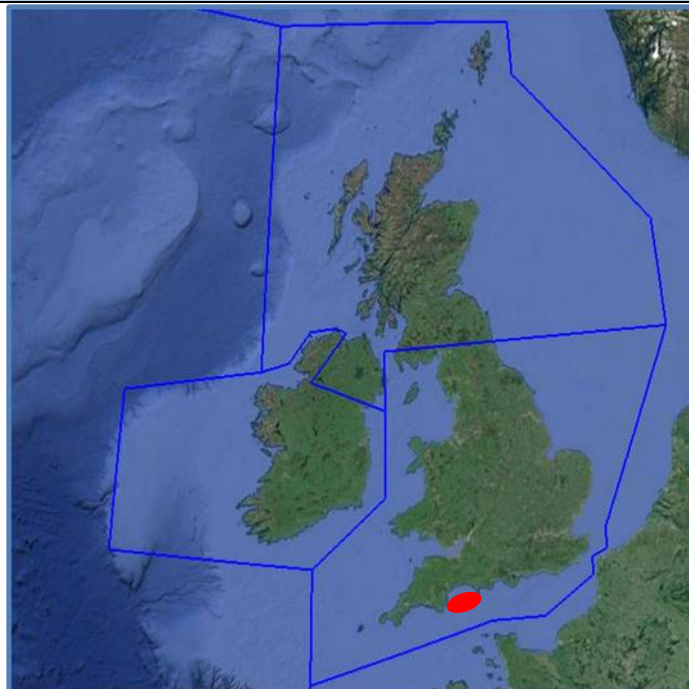
**Aircraft Operator(s):**

The Operations Officer  
Thales Flight Inspection Service  
Durham Tees Valley Airport  
Darlington  
DL2 1NL  
01325 335346

**ATS Units/  
Controlling Agencies:**

Plymouth Mil 01752 557808  
Swanwick Mil West 01489 612417  
London Area Control 01489 612413

**Geographical Limits:**



**Airspace Reservations:**

EG D003	Plymouth	01752 557550
EG D008A-C	Plymouth	01752 557550
EG D009A	Wembury	01752 557550
EG D013	Lyme Bay	01752 557550
EG D014	Portland	01752 557550
EG D017	Portland	01752 557550
EG D021	Portland	01752 557550
EG D026	Lulworth	01752 557550
EG D031	Portland	01752 557550

**Departure/Destination Aerodrome(s)**

EGDY, EGDR, EGNV

**ACN Issued by:**

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.

## **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 serials and requirements to conduct a calibration of the Portland RSM970 Radar. The radar is located on Portland (South of Weymouth) at position: 503351N 0022608W.

16. This ACN replaces 2022-11-0030 – no significant changes.

17. **Notification.** The sponsor is to notify the agencies listed on page one of this ACN at least 1 week prior to the planned calibration. In addition, the pilot is to contact the appropriate agencies at least 24 hours prior to confirm that the flight will still take place and again at least 4 hours prior to departure to provide final details, agree a start time and confirm availability of an ATS. Plymouth Mil are responsible for informing adjacent ATC agencies of the planned radial to be flown. Swanwick Mil is responsible for coordinating with LAC/LTC as appropriate.

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.

19. **Levels.** The aircraft will be required to operate at the following vertical altitudes & heights. The D Value<sup>2</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. 5000ft   | 60nm-20nm and 20nm-60nm x3                              |
| b. 10000ft  | 90nm-50nm and 50nm-90nm x6 (Mode S x3 & Mode AC x3)     |
| c. 20,000ft | 90nm-Radar overhead and Radar overhead-90nm x1 (Mode S) |

20. **Radials.** The radials required by the aircraft are subject to wind speed and direction and may vary, however as a general rule, only one radial will be flown on any single day. Whilst the sponsor may opt for any radial, the expected radials are listed below:

- |             |                                     |
|-------------|-------------------------------------|
| a. Primary. | A single radial between 240° - 245° |
|-------------|-------------------------------------|

21. **Orbits.** No orbits will be required.

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

- |                        |                           |
|------------------------|---------------------------|
| a. Plymouth Mil        | 121.250 MHz / 124.150 MHz |
| b. Swanwick Mil – West | 135.150 MHz               |

24. 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.

25. **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 Units 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

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<sup>2</sup> D' Values are corrected from ICAN standard atmosphere to actual conditions, thus aircraft on inbound leg may be unable to maintain whole Flight Levels

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)
- b. EGTTFZC Western Radar

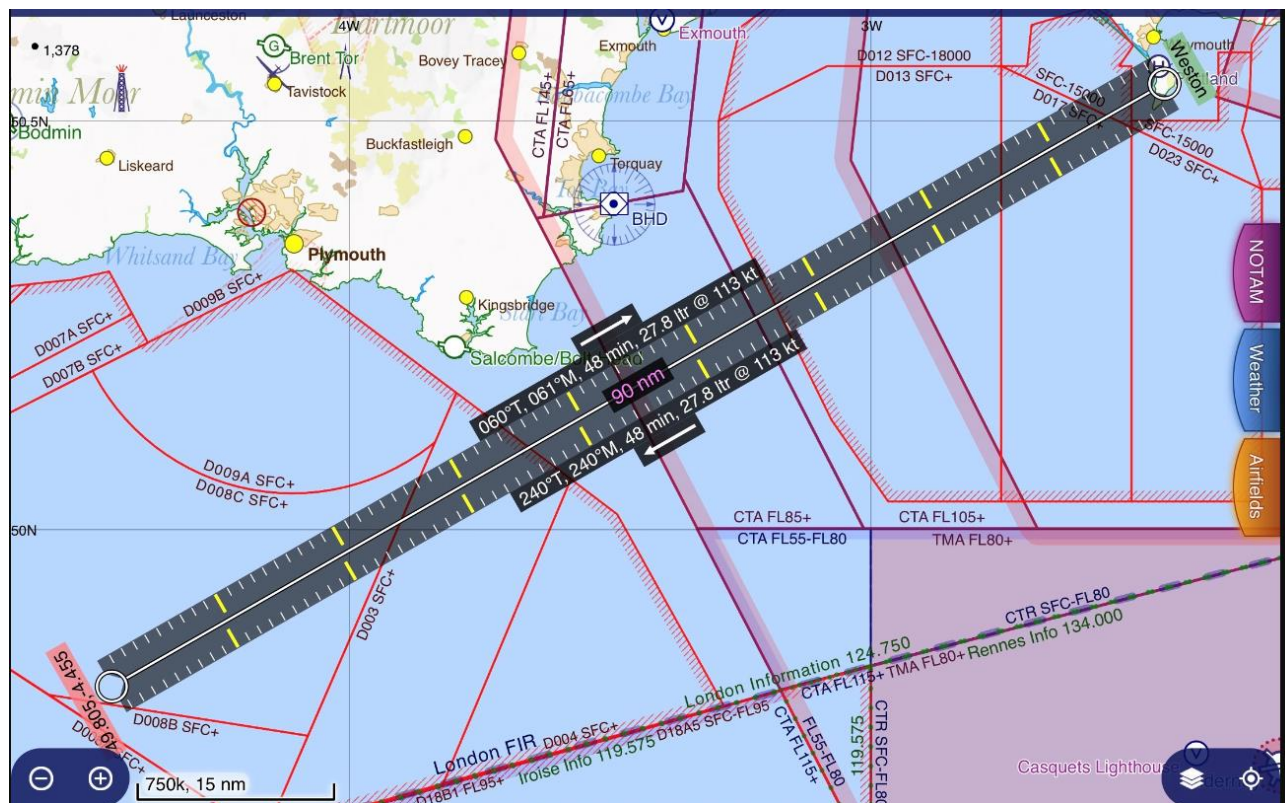
26. Amendments to the published hours of availability, as listed in the UK AIP ENR 1.6 – Para 4.2, shall be notified via NOTAM.

27. 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.

28. **Danger Areas (DAs).** Access to any DA is subject to range requirements and access is not guaranteed. The sponsor is to engage with the DA Authority at the earliest opportunity to coordinate access, noting that access may only be possible outside notified operating hours. For FOST Areas, it is strongly suggested book access via the controlling authority on 01752 557752 before Thursday of the proceeding week. For bookings inside this timeframe, please contact 01752 557550.

## Area of Operation

### Chart 1 – 240 Radial





## Chart 2 – 245 Radial

