

AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group



ACN Reference:	Version:	Date:	Date of Original
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AR-2024-3816	1.0	18/06/2024	11/06/2024
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Civil Aviation Authority

RADEX Trials South West England QinetiQ**CAT Z****Subject to NOTAM: No****Date(s) of activity/Validity:**

24 Jun 24 – 31 Dec 25

Times - ALL TIMES UTC¹

0800-2000

Vertical Limits:

FL100, FL200, FL290

Allocated Mode 3A (SSR):

Tactically Issued by ATC

Aircraft Details:

Type: Varies according to flight trial
 Callsign: TBC

NDS Approved:

No

Event Sponsor(s):

RADEX
 QinetiQ Boscombe Down
 Salisbury
 Wiltshire
 SP4 0JF

01980 662112 / 663389
ALDYER@qinetiq.com
MCGAY@QINETIQ.com
edunkin@QinetiQ.com

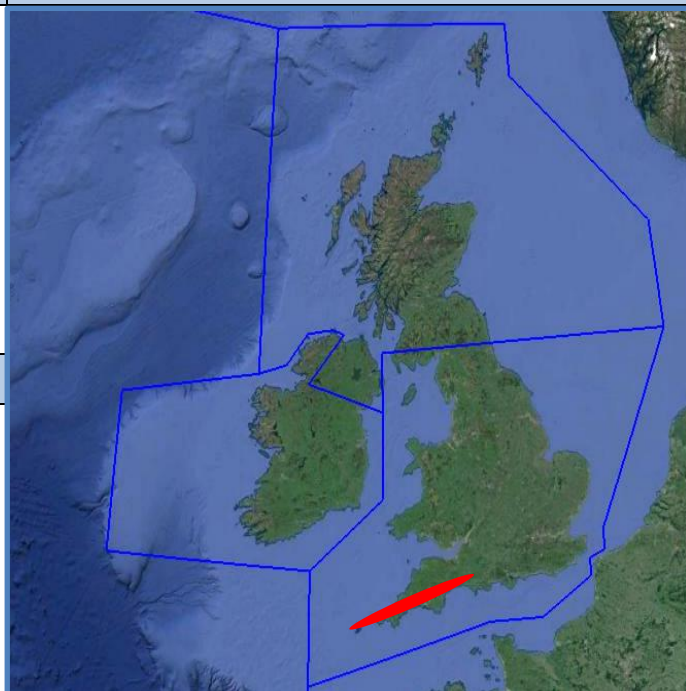
Aircraft Operator(s):

QinetiQ Boscombe Down
 Salisbury
 Wiltshire
 SP4 0JF

01980 662112 / 663389

ATS Units/**Controlling Agencies:**

Swanwick Mil West	01489 612417
Distress and Diversion Cell	01489 612491
Swanwick GS West via Watch Asst	01489 612420
Boscombe Down	01980 663246
Yeovilton	01935 455243

Geographical Limits:**Airspace Reservations:**

Infringes AARA10 – Inform MAMC 01489 612495

Departure/Destination Aerodrome(s)

EGDM

ACN Issued by:

AU3

¹ **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) – AU3
Email: AROps@caa.co.uk
Tel: 01293 983880

SECTION 2: CO-ORDINATION ARRANGEMENTS (SPECIFIC)

15. This ACN details the flight profile required for RADEX Flight Trials from Boscombe Down into Southwest England. Along the 252°T radial from Boscombe Down (510908N 0014450W) to 495000N 0073000W (or maximum range), procedure turn and return to ground station. At specific points on the radial, it will be necessary to carry out a series of orbits, whilst maintaining a constant Flight Level

16. This ACN replaces ACN 2014-00-0073.

17. The sponsor is responsible for obtaining any required permits to fly within UK airspace; this ACN does not constitute approval to fly in UK airspace, but only outlines the coordination process/contacts to facilitate the flight.

18. **Notification.** The sponsor is to notify the agencies listed on page one of this ACN no later than 2 hours prior to undertaking the task. In addition, the pilot is to contact the appropriate agencies at least 1 hour prior to departure to confirm final details and ascertain the availability of an Air Traffic Service (ATS).

19. **Additional Notification to D&D.** The sponsor should note that as the communication proposals may require the use of the International Aeronautical RT Emergency Channel of 243.0 MHz, the use of such frequency should be discussed during the one hour warning period and agreement reached between Swanwick Mil West Supervisor and the Distress & Division Cell.

20. **Priority.** This flight has been categorised as CAT Z, (*CAP 493 – Section 1, Ch4, Para 10c refers*) and attracts no priority. Subject to the prevailing traffic conditions on the day, there may be level restrictions, or the aircraft may be provided vectors / requested to hold to allow most efficient use of airspace.

21. **Operating Information.**

a. Communication facilities with ATC during the trial will depend upon the aircraft type and it may be necessary to use UHF 243.0 MHz. The operator should note the non-standard communications arrangements made by other users of this trial.

b. The aircraft will transit to start point under normal ATC procedures and obtain approval before commencing trials.

c. Once established on the 252°T radial, and when cleared by Swanwick Mil West, the aircraft will change frequency to the Boscombe Down trials frequencies, listening out on UHF Guard (243.0 MHz). A short check call from Swanwick Mil West might be appropriate at this time.

d. Before the aircraft turns outbound or inbound, it will return to the Swanwick Mil West frequency to clear the turn with the controller before returning to the trial frequencies.

e. The aircraft is to obtain clearance from the controller to execute other manoeuvres, such as orbits on the 252°T radial.

f. When necessary, refuelling may take place at a suitable aerodrome in southwest England.

22. **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 survey area is within the coverage of the following units:

- | | |
|----------------------|------------|
| a. Swanwick Mil West | On Request |
| b. Boscombe Down | On Request |

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 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. **Air-to-Air Refuelling Areas (AARAs).** For details of the AARAs see the UK AIP – ENR 5.2. Activation is by NOTAM, and when active, information can be obtained from Swanwick Mil.
29. **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.
30. **Non-SSR Gliding Areas.** The sponsor should exercise caution when operating in these areas, as gliders without transponders may be encountered up to FL195. For info see the UK AIP: *ENR 1.1 (Para 1.12), ENR 5.2 (NSGA) and ENR6-63.*
31. **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

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

Chart 1

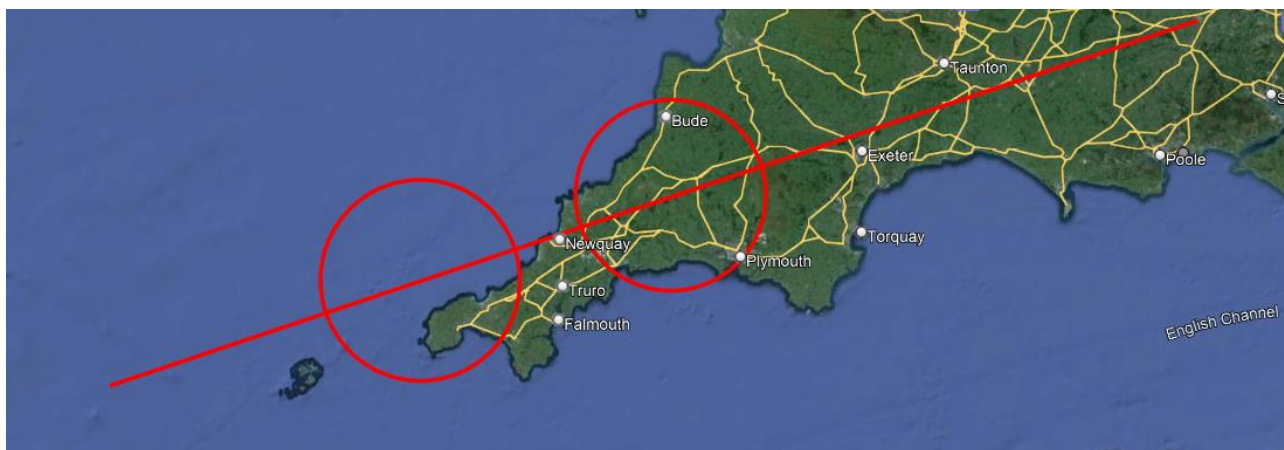


Chart 2

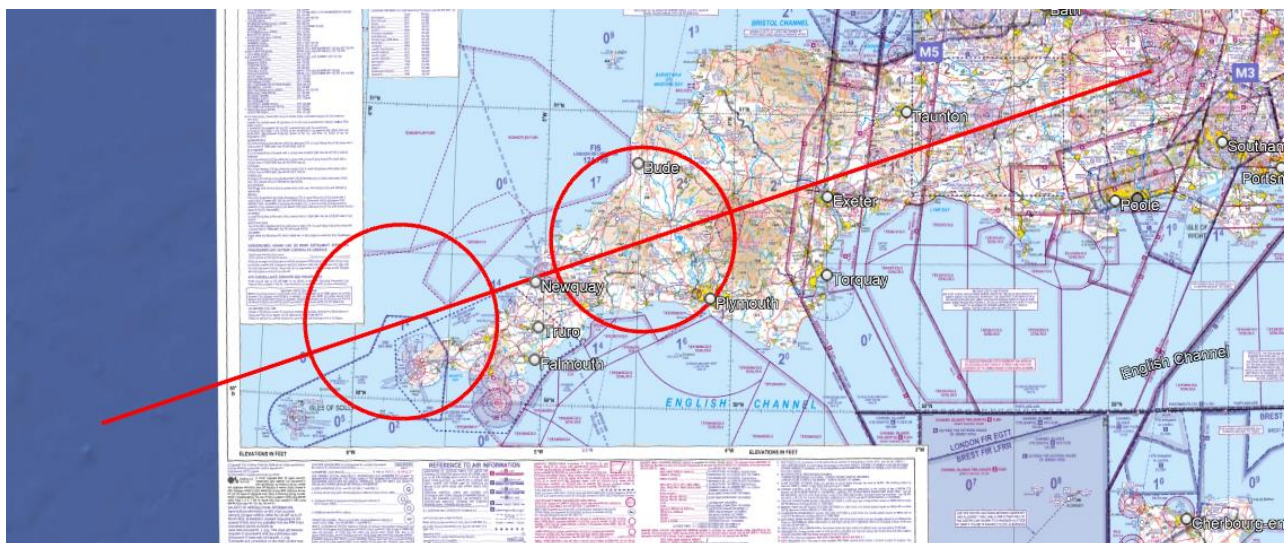


Chart 3

