

# AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group



| ACN Reference: | Version: | Date:      | Date of Original |
|----------------|----------|------------|------------------|
| 2023-03-0056   | 1.0      | 06/02/2023 | 28/01/2023       |

## RADAR CALIBRATION LINTON-ON-OUSE SSR

### NDS

**Subject to NOTAM: No**

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

08th February 2023 – 30<sup>th</sup> September 2024 08:00 – 18:00 (07:00 – 17:00)

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

4,000ft – 20,000ft **AGL** 0024

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

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

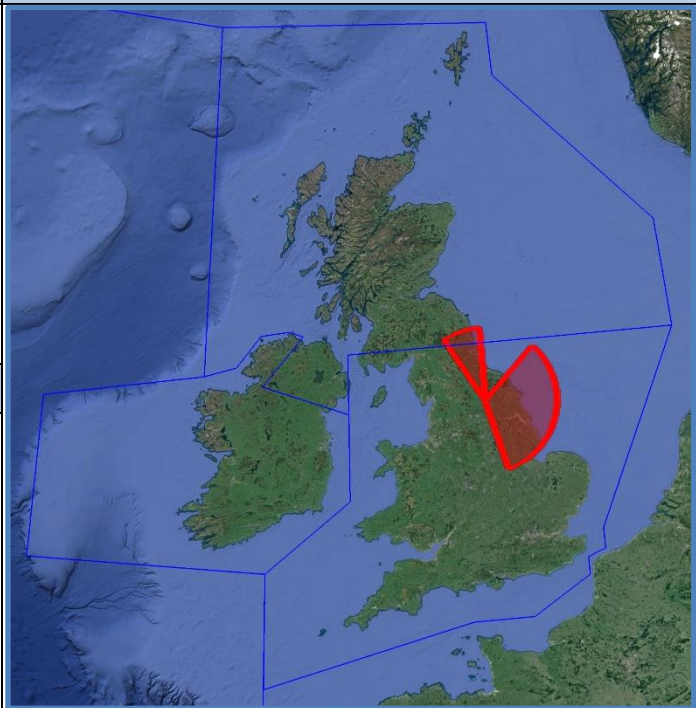
**Event Sponsor(s):** **Aircraft Operator(s):**

|   |   |
|---|---|
| Thales Flight Inspection Service<br>Hangar 3<br>Teesside International Airport<br>Darlington<br>DL2 1NL<br>01325 335346 | The Operations Officer<br>Thales Flight Inspection Service<br>Hangar 3<br>Teesside International Airport<br>Darlington<br>DL2 1NL<br>01325 335346 |
|---|---|

**ATS Units/ Controlling Agencies:** **Geographical Limits:**

|                               |               |
|-------------------------------|---------------|
| Anglia Radar <sup>2</sup>     | 01224 727160  |
| Coningsby                     | 01526 347443  |
| Humberside                    | 01652 682022  |
| Leeming                       | 01677 457210  |
| Newcastle                     | 0191 214 8130 |
| Prestwick ACC                 | 01294 655300  |
| Swanwick Mil (78 Sqn) – East  | 01489 612408  |
| Swanwick Mil (78 Sqn) – North | 01489 612943  |
| Teesside                      | 01325 331020  |
| Waddington Radar <sup>3</sup> | 01526 347443  |

*Info: Leeds/Bradford, Swanwick ACC*



**Airspace Reservations:**

|             |                     |              |
|-------------|---------------------|--------------|
| AARA 06     | North Sea           | 01489 612495 |
| AARA 08     | The Wash            | 01489 612495 |
| EG D307     | Donna Nook          | 01507 359126 |
| EG D323     | Southern MDA        | 01489 612495 |
| EG D510B    | Spadeadam           | 01697 749486 |
| EG D512 A/B | Otterburn           | 01912 394261 |
| EG R313     | Scampton            | See Para 32  |
| NSGA 2      | Greater Yorkshire   | See Para 33  |
| TRA         | 003, 006, 007A, 009 | See Para 34  |

**Departure/Destination Aerodrome(s)** **ACN Issued by:**

EGNV 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> Anglia Radar provided from Aberdeen ATC.

<sup>3</sup> Waddington Radar, situated within the Lincolnshire Terminal Air Traffic Control Centre located at RAF Coningsby. When calling, ask to be connected to Waddington Radar.

## **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 required to conduct a calibration of the Monopulse Secondary Surveillance Radar (SSR) at Linton-on-Ouse.

16. **This ACN is the third iteration and replaces ACN 2020-00-0146.**

17. **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.

18. The controlling authority is responsible for informing adjacent ATS providers of the details of the flight check, subject to the radial to be flown:

- a. Below FL100                      Leeming ATC
- b. Above FL100                      Swanwick Mil – East

19. **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.

20. **Levels.** The aircraft will be required to operate at the heights listed below. The D Value<sup>4</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. 5,065ft **AGL**<sup>5</sup>
  - i. 40nm to 80nm
  - ii. 80nm to 40nm
- b. 20,065ft **AGL**
  - i. Overhead to 80nm
  - ii. 80nm to Overhead

21. **Radials.** The radials required by the aircraft are subject to wind speed and direction and may vary. A single radial is expected be chosen between the options below<sup>6</sup>, however any radial may be requested:

- a. 045°T to 165°T
- b. 330°T to 360°T

22. The number of runs is subject to engineering requirements and should be notified to ATC during the prenote.

23. **Orbits.** No orbits will be flown as part of this calibration.

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<sup>4</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

<sup>5</sup> AGL in this instance relates to the height above the radar antenna – Antenna elevation *estimated* at 65ft.

<sup>6</sup> This ACN is assessed against the stated radials only.

24. **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.

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

|                              |                          |
|------------------------------|--------------------------|
| a. Anglia Radar <sup>7</sup> | 125.275 MHz <sup>8</sup> |
| b. Coningsby                 | 119.200MHz               |
| c. Humberside                | 119.130 MHz              |
| d. Leeming                   | 133.375 MHz              |
| e. Newcastle                 | 124.380 MHz              |
| f. Spadeadam                 | 128.725 MHz              |
| g. Swanwick Mil – East       | 135.075 MHz              |
| h. Swanwick Mil – North      | 136.375 MHz              |
| i. Teesside                  | 118.855 MHz              |
| j. Waddington                | 119.500 MHz              |

26. 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.

27. **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)

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

29. 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.

30. **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.

31. **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.

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<sup>7</sup> Anglia Radar provided from Aberdeen ATC.

<sup>8</sup> Backup frequency 128.925 MHz.



32. **EG R313 (Scampton).** Access to the airspace of EG R313 is subject to the requirements laid down in Statutory Instrument (SI) [1221/2022: The Air Navigation \(Restriction of Flying\) \(Scampton\) \(Restricted Zone EG R313\) Regulations 2022](#), and amended by SI [1320/2022: The Air Navigation \(Restriction of Flying\) \(Scampton\) \(Restricted Zone EG R313\) \(Amendment\) Regulations 2022](#).

33. **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.

34. **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).

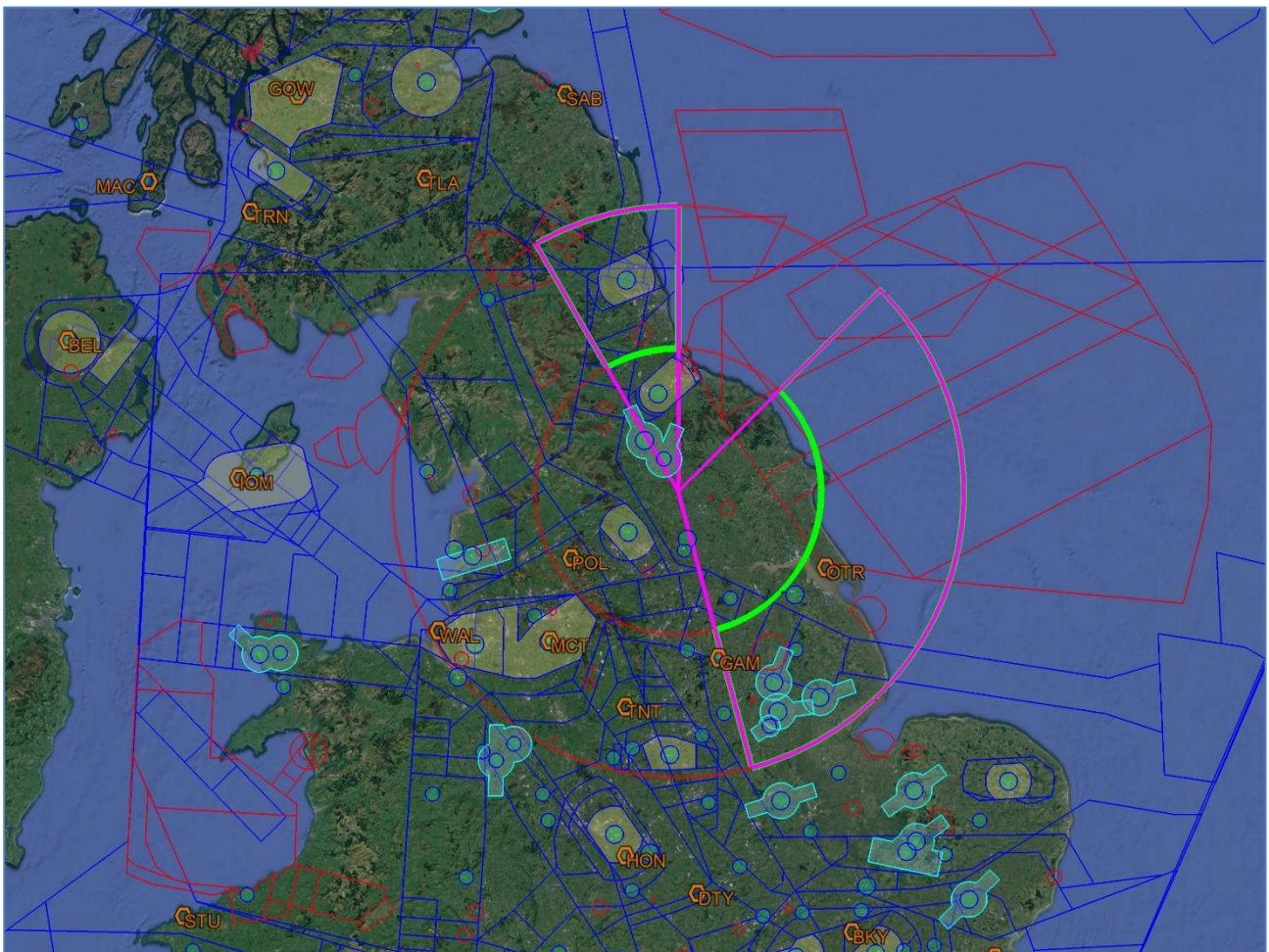
### SECTION 3

#### Area of Operation

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

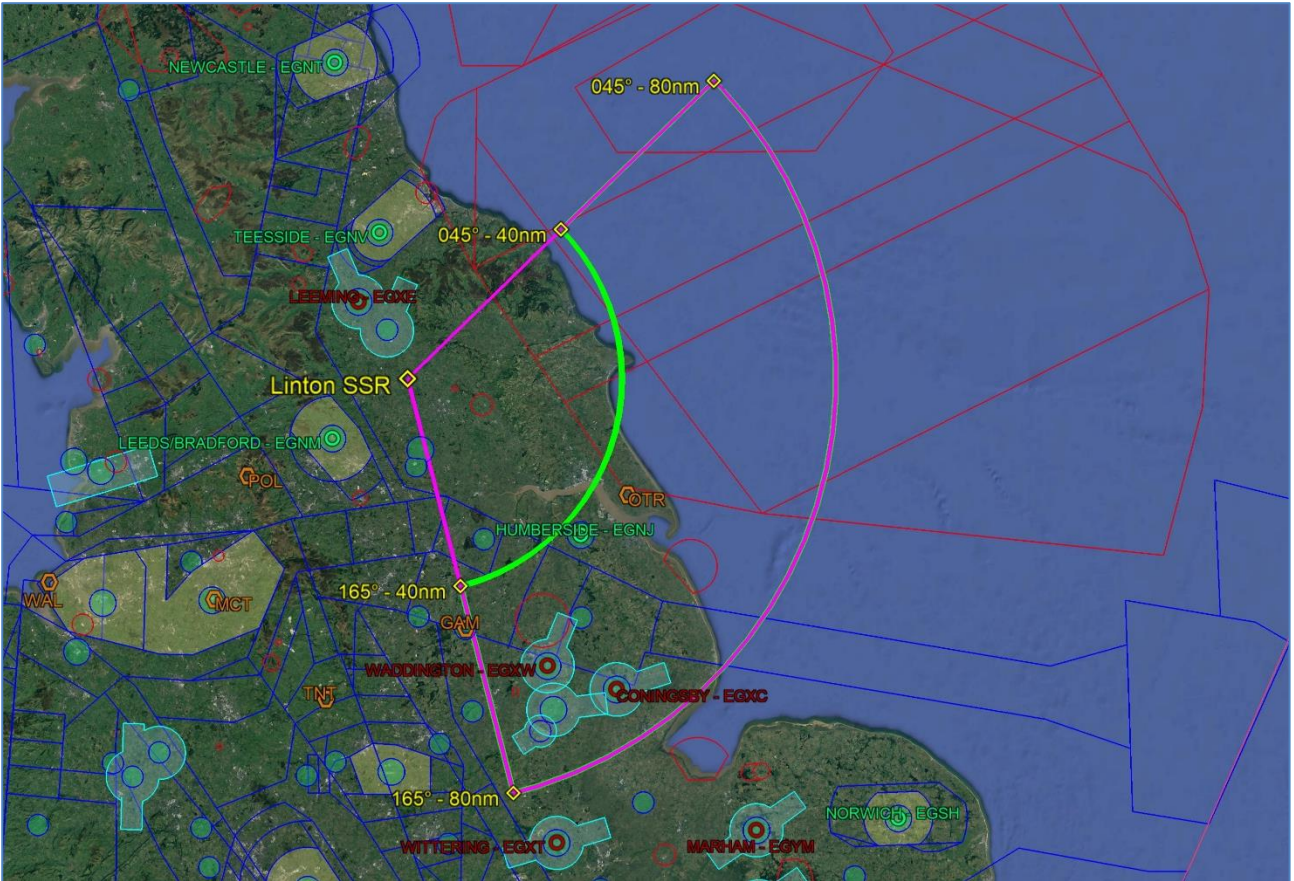
**Chart 1 – Overview**

**Please note that some charts do not show the airspace allocated to Doncaster (ATZ/CTR/CTA), which at time of publication was deactivated. The Sponsor should consult the AIS website (AIP/NOTAMs) prior to conducting flight ivo Doncaster to confirm its status.**





Charts 2 & 3 – 045° – 165°





Charts 4 & 5 – 330° – 360°

