# AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group

 ACN Reference:
 Version:
 Date:
 Date of Original

 AR-2024-4961
 1.0
 02/08/2024
 25/07/2024



# Aerial Survey Gatwick 2Excel

# **CAT Z**

Subject to NOTAM: No				
Date(s) of activity/Validity:	Times			
2 August 2024 – 31 December 2024	0800 - 1700Z (VMC conditions)			
Vertical Limits:	Allocated Mode 3A (SSR):			
1500ft AMSL – 3800ft AMSL	Tactically Issued by ATC			
Aircraft Details:	NDS Approved:			
Type: DA62 - GZEAA Callsign: BROxxx	Not applicable			
Event Sponsor(s):	Aircraft Operator(s):			
2Excel Aviation	2Excel Aviation			
Hangar 3	Hangar 3			
Doncaster Airport	Doncaster Airport			
DN9 3GE	DN9 3GE			
01302230486	01302230486			
ops@2excel.uk	ops@2excel.uk			

#### ATS Units/ Controlling Agencies:

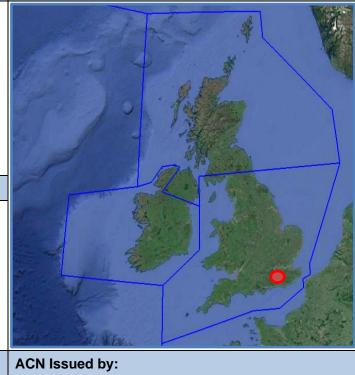
Farnborough 01252 526017 Gatwick 01293 601031 London Control 02380 401110

Biggin Hill \*for info 01959 578525

## Airspace Reservations:

Nil.

## Geographical Limits:



Departure/Destination Aerodrome(s)

EGCN/EGBK/EGKB

ACN Issued by:

#### **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 <a href="http://www.nats-uk.ead-it.com">http://www.nats-uk.ead-it.com</a>
- 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: <u>AROps@caa.co.uk</u> Tel: 01293 983880

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

- 15. This ACN details the flight profiles for an aerial survey in the vicinity of Gatwick. This aerial survey is a GEO survey of the National Rail Network analysing tree health along the tracks.
- 16. **Sortie Profile.** Each leg is flown at 900m AGL, which is between 3000ft 3800ft AMSL. There is also an option to collect at 500m AGL, between 1500 and 2500ft AMSL. 900m is preferred and results in a significant reduction in collection time, allowing the aircraft to be clear of airspace sooner. The collections are conducted at around 110Kts in VMC conditions. After each leg the aircraft is required to reposition (at which point it can hold off) which will take approx. 3 min. If required for separation, the aircrew can abort a leg at any point, but that leg will then need to be flown again from the start. See example flight path at section 3, chart 10.
- 17. **Planned routes:** (read in conjunction with Section 3, chart 1)

Name	Location	900m AGL		5	00m AGL
		No. of legs	Est. Time (mins)	No. of legs	Est. Time (mins)
KCAA	Horsham	9	33	27	98
KCAB	Billingshurst	9	99	29	104
KCBA	Edenbridge	12	44	34	124
KCBB	Groombridge	11	40	38	135
KLCB	Redhill	8	30	23	85
KLCC	Crawley	7	28	21	80
KLCD	Haywards Heath	9	33	25	91

- 18. 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.
- 19. **Notification.** The sponsor is to notify the agencies listed on page one of this ACN at least 4 hours prior to departure to confirm final details and availability of an Air Traffic Service (ATS).
- 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. **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.
- 22. **ATS Provision Outside CAS.** The survey area is within the coverage of the following units:

a. Farnborough East Freq – 123.225
 b. Farnborough West Freq – 125.250

- 23. 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.
- 24. **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.
- 25. **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*.

#### **SECTION 3**

#### **Area of Operation**

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

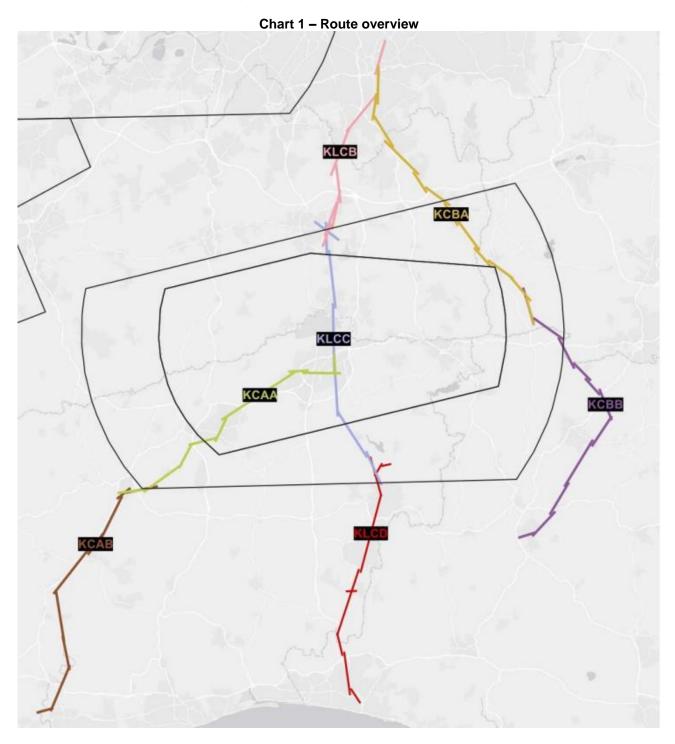
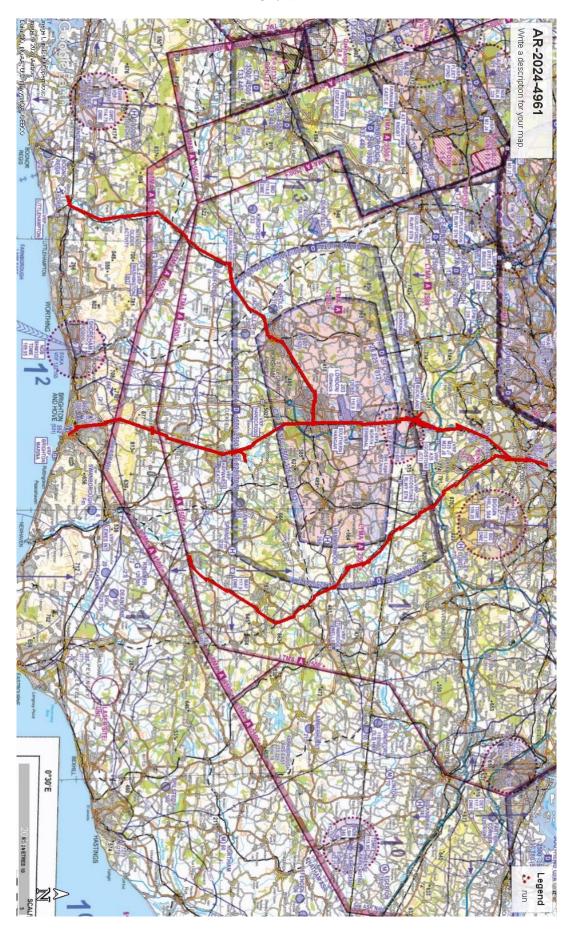


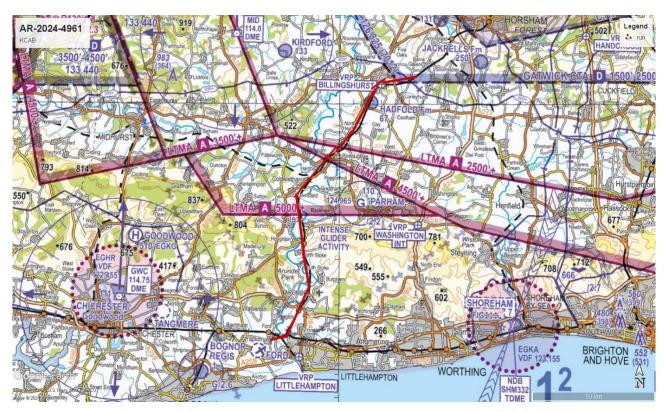
Chart - 2



#### Chart - 3 (KCAA)



#### Chart - 4 (KCAB)



### Chart - 5 (KCBA)

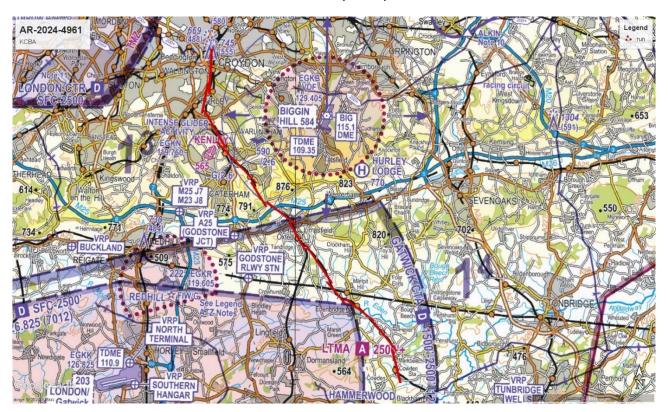


Chart - 6 (KCBB)



#### Chart - 7 (KLCB)



#### Chart - 8 (KLCC)

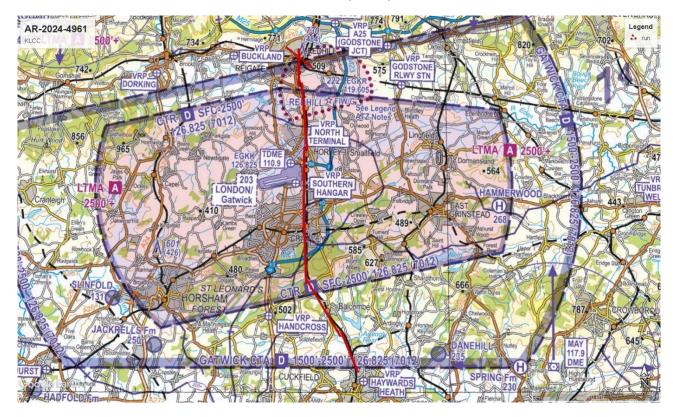


Chart - 9 (KLCD)



Chart - 10 Example flight path

