

Directorate of Airspace Policy

Airspace Utilisation Section

ACTIVITY NO 2009-11-0027

Date 19 October 2009

See Distribution

AIRSPACE CO-ORDINATION NOTICE

LORD MAYOR'S SHOW – MANSION HOUSE

14 NOVEMBER 2009

ALL TIMES UTC

Reference:

A. HQ AIR Operation Order No 55/09

INTRODUCTION

1. Further to Reference A, the following measures have been agreed by AUS with the organiser and airspace controlling authorities to accommodate the subject Unusual Aerial Activity.

ACTIVITY

2. A formation flypast of Mansion House by a formation of 3 RAF Tornado aircraft. An RAF Northolt A109 helicopter will provide a weather check prior to the flypast and may then act as a photo-ship.

ROUTES AND TIMINGS

- | | | | |
|----|----|-------------------------------------|-------------|
| 3. | a. | Southwold Hold IP (5219N 00141E) | A/R |
| | b. | TRIPO (5142N 00105E) | A/R |
| | c. | ABM Fairlop (5136N 00006E) | 1102 hrs |
| | d. | Mansion House (5131N 00005W) | 1104:30 hrs |
| | e. | Brookmans Park (BPK) (5145N 00006W) | 1108 hrs |
| | f. | Barkway (BKY) (5159N 00004E) | 1111 hrs |
| | g. | RAF Brize Marham | A/R |

Note: The above timings are approximate, except for that at Mansion House, which is a 'hard' time.

Civil Aviation Authority

CAA House K702 45-59 Kingsway London WC2B 6TE www.caa.co.uk
Telephone 020 7453 6581 DFTS (9) 6453 ext 6581 or 6599 Fax 020 7453 6583
e-mail gavin.turnbull@caa.co.uk



FS 36365



INVESTOR IN PEOPLE

VERTICAL LIMITS

4. a. Top Level 3,000ft amsl
- b. Datum Alt 1,500ft amsl
- c. Base Level 1,000ft agl

OPERATING AUTHORITY

5. a. HQ AIR, High Wycombe.
- b. POC: HQ 1 Gp, SO2 A5, Sqn Ldr Mark Discombe, HQ 1 Gp, High Wycombe, Bucks, HP14 4UE.
- c. Telephone: 01494 496927 or DFTS (9) 5221 6927.

CONTROLLING AGENCIES

6. a. LATCC(Mil) East
- b. Tel POCs: Supervisor 01489 612408 or DFTS (9) 5586 2408.
- c. ATC Southend.
- d. Tel POC: 01702 608120.
- e. LTC (Swanwick) (TC Thames) Thames/City Radar.
- f. Tel POC: LTC (Swanwick) Group Supervisor Airports 02380 401106
- g. LTC (Swanwick) (TC Luton) Luton Radar
- h. Tel POC: LTC (Swanwick) Group Supervisor Airports 02380 401106

AIRSPACE RESERVATIONS

7. Nil.

RADAR SERVICES

8. Outside Controlled Airspace the radar service throughout the flypast route will wherever possible be a Traffic Service, although due to limitations of equipment etc a service cannot be guaranteed. Radar Control will be applied inside the London and London City Control Zones. Crews should be aware that due to their range, and low altitude, en route any service may be limited. Aircraft must be responsible for their own navigation and some ATS units may not be able to offer any radar vectoring or separation services.

CALLSIGNS

9. a. The Tornado formation will adopt the callsign BATMAN FORMATION, with individual aircraft using the callsigns BATMAN 1 to BATMAN 3.

- b. The weather check helicopter will have the callsign MANSION WEATHER CHECK.

FORMATION FLYPAST ROUTE

10. a. On departure from RAF Marham the formation will route to the initial hold at Southwold under standard ATC procedures. The hold will be flown right hand VMC at an altitude determined by the formation leader, but not above FL070.
- b. The formation will then route: SOUTHWOLD HOLD IP position (5219N 00141E) – TRIPO (5143N 00105E) - ABM FAIRLOP STN (5136N 00006E) – MANSION HOUSE (5131N 00005W). The leg from SOUTHWOLD to TRIPO will be flown over the sea, remaining clear of controlled airspace. In event that the weather over the sea is unsuitable, the formation has clearance to operate in the Low Flying System to facilitate a low level transit via IPSWICH, COLCHESTER, CHELMSFORD and FAIRLOP.
- c. After passing the Mansion House the formation will extend for approximately 15 seconds and then turn right to route to BROOKMANS PARK (BPK) (5145N 00007W) and BARKWAY (BKY) (5159N 00004E). From here the formation will return to RAF Marham under standard ATC procedures.
- d. The route transit altitudes will be between 1,500ft to 3,000ft amsl, with the formation departing the Southwold Hold at 3,000ft amsl (Yarmouth QNH). A descent to 1,500ft amsl (London QNH) for the flypast of the Mansion House will be ordered by the Formation Leader. Any changes in altitude must be approved by the appropriate ATC Unit before being actioned.
- e. The formation is to maintain 1,500ft amsl until advised by Thames/City Radar that they are clear of the London Control Zone, at which point the formation may climb, if required by the formation leader, remaining clear of controlled airspace, unless cleared to enter by the appropriate ATC agency. Thames/City Radar will handover control of the formation to TC Luton (Luton Radar) as the formation leaves the London Control Zone.
- f. Crews must not change altitude or track within the London Control Zones on both the inbound and outbound routes without the prior approval of Thames/City Radar. Additionally, aircraft must not climb above the Control Zone or penetrate the London TMA without prior clearance unless an aircraft emergency leaves the crew with no other option.
- g. In the event that the formation will fly through, or adjacent to, an ATZ the airfield should be contacted on the appropriate frequency.
- h. The planned ground speed for the flypast route will be 300 kts.

CO-ORDINATION ARRANGEMENTS

11. **Operating Authority.**
- a. Low Flying authorisation and TVAA clearances will be arranged between the Operating Authority, MODUKAIR DAS 1e and DAS 4b (Sec).

- b. The Operating Authority accepts responsibility for the separation of aircraft within the formation (MARSAs).
- c. The Operating Authority accepts responsibility for the separation of the formation and the weather check helicopter (MARSAs).

12. **ATC Authorities.**

Prior to departure the formation leader is to contact the LTC (Swanwick) Group Supervisor Airports on 02380401106 to discuss requirements and to be allocated both frequencies and SSR codes. The formations will transit the route using normal ATC services as required. The formation leader is requested to contact the appropriate control agencies as follows:

- a. Southend Airport will provide an ATC service to the formation for the initial part of the inbound route and will then effect a handover/co-ordinated free-call to Thames/City Radar on frequency as the formation approaches Brentwood. Because of the range and height from both LATCC (Mil) East, Southend and Thames Radars, any en route service provided will wherever possible be a Traffic Service. Crews are advised that the service could be limited and may not be guaranteed.
- b. The formation will descend to 1,500ft amsl on the LONDON QNH with Thames/City Radar, where appropriate, to be level before they enter the Zone. Thames/City Radar will retain control of the formation throughout the flypast. Once the formation is passed the Mansion House, Thames/City Radar will handover the control Luton Radar for the egress beneath the London TMA until handed over to London(Mil) (East)/Lakenheath as appropriate, when clear of Controlled Airspace, for the return to their base under standard ATC procedures. Thames/City Radar will co-ordinate with TC Heathrow, Heathrow SVFR, London City Airport, Battersea Heliport and RAF Northolt as necessary.
- c. Whilst within Controlled Airspace the formation will be afforded Category E priority in order to achieve the above Mansion House datum time and this time only. In the event that an attempt is made to delay the flypast on the day, the formation will not be afforded Category E for the amended times.

13. **Adjacent Airspace Users**

- a. Airfields, gliding sites and microlight sites adjacent to the flypast route have been advised of the formation flypast by means of this ACN and NOTAM action. All such organisations are requested to brief their airfield operators and club members on this activity and to suggest that the formation route is safely avoided by at least 3 nm either side of track.
- b. The CFI of the Essex & Suffolk Gliding Club at Wormingford Airfield; the CFI of the Stapleford Flight Centre at Stapleford Aerodrome; and Bulldog Aviation at Earls Colne Airfield have all been advised of the route and timings of the formation passing adjacent to their airfields by means of this ACN. All

are requested that they brief their club members and publicise the event with all airfield operators in order that this activity can be safely avoided.

RESTRICTIONS

14. Two way contact must be established with Thames Radar prior to any penetration of the London (City) Control Zone. Also, the aircraft must not penetrate the London TMA above 2,400ft amsl without obtaining a prior clearance from the appropriate ATC agency.

WEATHER CHECKING AND LIMITATIONS

15. a. A 'Weather Check' will be flown by a No 32 (The Royal) Sqn helicopter under standard procedures. If the helicopter is not acting as a photo-ship, as per sub para (b) below, it is to clear of the flypast route by 1050 hrs.

b. The helicopter may elect to remain in the vicinity of the Mansion House to act as a photo –ship in accordance with para 7 of Annex C to Ref A.

Airborne Spares and Unserviceable Aircraft

16. a. There are no planned airborne spare aircraft for this flypast.

b. If an ac suffers an unserviceability or emergency that necessitates leaving the formation, it is to clear IAW with the formation leaders' abort plan, return to base, or divert as required. Once the formation has left the SOUTHWOLD hold, any ac departing from the formation is to clear the formation and reverse the route if possible.

Cancellation Procedures

17. a. Full details of the cancellation procedures are contained within Annex B to Ref A.

b. The Air/Ground Liaison Officer (AGLO) at the Mansion House will be Flt Lt Greg Sumner, (07789 776119)

c. If the flypast is cancelled before the aircraft is airborne the formation leader will inform the LATCC (Mil) East Supervisor (01489 612408 or DFTS (9) 5234 2408) and the AGLO. The Supervisor is to advise the LTC (Swanwick) Group Supervisor Airports and the other relevant ATC agencies actioned by this ACN as per the instructions in Annex B to Ref A.

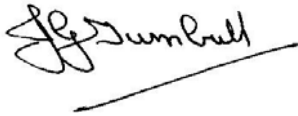
d. If the flypast is cancelled after the aircraft is airborne, LATCC (Mil) East Supervisor will be requested to advise Thames Radar or the controlling agency to transmit a pre-briefed abort codeword. If the formation leader cancels the flypast for any reason, the formation leader is to request his controlling agency to advise the LATCC (Mil) East Supervisor (01489 612408 or DFTS (9) 5234 2408). LATCC (Mil) East Supervisor is requested to relay this message as per the instructions in Annex B to Ref A.

AERONAUTICAL PUBLICATIONS

18. a. AUS will arrange for the issue of a NOTAM to cover this event.
- b. The Project Officer is requested to promulgate this ACN to all military participants, other than those on this distribution list, as necessary.

AMENDMENT ACTION

19. Proposed changes to this ACN should be sent by the quickest means to AUS for the attention of AS1 (020 7453 6581) quoting the Activity Number at the top of page 1.



J Gavin Turnbull
Sqn Ldr
for Head of AUS

Annexes:

- A. Map of Flypast Route.

Distribution: (* by e-mail)

Action:

HQ 1 GP	* Project Officer
MOD	*DAS (LA) Ops & Pol 2,
LATCC (Mil) East	*UOpsO
LTC (Swanwick)	*TC Procedures
RAF Marham	*Project Officer (via HQ 1 Gp Project office)
RAF Northolt	*No 32 Sqn, *SATCO
Southend Airport	*SATCO

Information:

RAF Henlow	*DFCIT
NATS AIS	*MAISO
RAF Wittering	*LF Ops Sqn
RAF Lakenheath	*48 OSS/OSA [for SATCO]
RAF Syerston	*ATC FSO
LATCC (Mil) LJAO	*MABCC
Farnborough ATC	*LARS
Andrewsfield Flying Club	*CFI
Aberdeen Airport	*Anglia Radar
BGA	Mr C Withall
Beccles Airfield	*BIH Chf Pilot, Rainair (Beccles) Ltd Chf Pilot
Biggin Hill Airport	*SATCO
North Denes	*Chief Pilot
Boughton (North) Airstrip	Mr P Coulton

Boughton (South) Airstrip	Mr R Warner
Clacton Airfield	*SATCO
Crowfield Airfield	ATC Manager
Earls Colne Airfield	*Bulldog Aviation Ltd
East Herts Flying Club	Panshanger Airfield
Elmsett Airfield	*Poplar Aviation Ltd
Elstree Airfield	Operator
Essex GC	CFI
Essex Police ASU	*Boreham Airfield
Fowlmere Airfield	Modern Air Ltd
HEMS	Chief Pilot
High Easter Airfield	Operator
Lippits Hill	*Police Air Support Unit
Little Gransden Airfield	*Skyline School of Flying
London Westland Heliport	*Westland Aviation
London Heathrow	*ATC Ops
London City	*ATC Ops
London Stansted	*ATC Ops
London Luton	*ATC Ops
North Weald Airfield	ATC Manager
Old Warden Airfield	*Operator
Panshanger Airfield	Professional Flt Management Ltd
RAF Halton	*Airfield Manager
RAF Mildenhall	*100 OSS/OSA
Rayne Airfield	Operator
Rochester Airport	ATC Ops
Shipdam Airfield	Operator
Stapleford Airfield	Flight Centre ATC
Stowe Maries	GC CFI
Wattisham Airfield	*SATCO
Weathersfield	*614 VGS
Willingale Airstrip	Operator
Wormingford Airfield	*CFI Essex & Suffolk Gliding Club
Wycombe Air Park	*ATS Manager