



FAIRFORD AIRSHOW

27th July 2024

12-16z



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Overview

Every year, the largest military Airshow in the world is held at RAF Fairford in the United Kingdom. Both civil and military aircraft show their prowess in the skies above Gloucestershire.

Therefore, the United Kingdom and Ireland's Special Operations Department would like to invite you to the "Fairford Airshow". Come and display solo, in a formation or even park your aircraft on static display and enjoy the shows throughout the day. All aircraft are welcome, so come and show us what makes your aircraft unique.

Date and Time

Date: Saturday 27th July 2024

Time: 1200z – 1600z

Definitions

The following are definitions of some acronyms used throughout this document:

TERM	EXPLANATION
GAT	General Air Traffic (e.g. Filed IFR or VFR under S, N or G)
OAT	Operational Air Traffic (e.g. Filed IFR or VFR under M)
TACAN	Tactical Air Navigation System
RAF	Royal Air Force
XU	IVAO United Kingdom and Ireland Division



Guidelines

- Pilots **MUST** register before the Event if they wish to perform an air display or be parked on static display.
- Pilots that wish to fly in to watch the displays can fly any aircraft and will be parked on mass at parking area "BLACK".
- Pilots not performing an aerial display **WILL NOT** receive SO points.
- All inbound and outbound movements WILL STOP 30 minutes before the first display, and any aircraft trying to arrive or depart after this time can be turned away at the discretion of the controllers.
- Temporary restricted airspace will be established for this event and will be used as the display box.

Arrival/Departures

RAF Fairford will be staffed the Friday before (26th July 2024) between 1800z and 2100z for aircraft to position to the airfield ready for the air show. It will also be staffed on Sunday (28th July 2024) for departures.

Points to note:

- This is not an official part of the Event but is provided to improve the experience.
- It is recommended that aircraft arriving from another country **SHOULD** operate as GAT until reaching UK airspace.
- Pilots are reminded that all Airspace above FL195 in the United Kingdom is Class C and must obtain clearance before entering this airspace if a controller is online.

Parking

Once an aircraft has registered for the Event, whether for static or aerial display, it will be assigned a parking spot in one of the coloured parking areas. This will be displayed on a map that will be available [HERE](#).



Displaying

- Displays may be solo or as a formation. Formations wishing to display must register as such.
- All displaying aircraft **WILL** start from Fairford; the start of your display time is your take-off time.
- All displaying aircraft must land before the end of their display slot, if this is not done pilots may be asked to divert to RAF Brize Norton (EGVN).
- Pilots **MUST** stay within the display box for their entire display once entering.
- Pilots **MUST** report to the controller their display is complete to receive their landing clearance.
- Pilots **MUST** only cross the display line when in straight level flight no lower than 200ft at the start or end of their display if they wish.
- Displays **MUST NOT** exceed the 10-minute display slot. Depending on the number of pilots joining the airshow, 20-minute displays for multiple aircraft may be available. Please get in touch with the XU SO via email at xu-specialops@ivao.aero.
- Pilots **MUST** always keep above the display minima.
- Pilots will be assigned a display slot, which may be delayed on the day on the day.
- A list of participants' display slots will be posted and updated on the [SO-HQ forum](#).
- Display aircraft will remain on Tower frequency for their display.

Display Line

The display line runs parallel to the runway 3 meters from the tarmac's southern edge to the airfield boundary and can be crossed only to start and/or finish the display. For this Event, the crowd area will be the area south of the display line, bounded by the airfield perimeter.



Aircraft Display Minima

	MINIMUM SAFE HEIGHT FEET (ft)			
	Fixed Wing	Rotary Wing	Fixed Wing Formation	Rotary Wing Formation
Level Flight $\leq 89^\circ$ Angle of Bank (AOB)	100	100	300	100
Aerobatic Manoeuvres, Inverted Flight and Link Manoeuvres	300	300	300	300
Any other Manoeuvres	300	100	300	100
Crowd Area Overflight	200			

Controllers

- Controllers must have an in-depth understanding of the operations and phraseology of Special Operations in the United Kingdom and Ireland Division.
- Controllers should be understanding and accommodating of pilots who are unfamiliar with Special Operations phraseology and procedures and should assist where possible.
- Controllers must use clear English when there is an apparent misunderstanding in instructions.



Temporary Restricted Airspace

Temporary restricted Airspace (TRA) will be established for use as the display box for this Event. It is under the authority of the Fairford Tower controller (or controller responsible for the Tower duties).

NOTAM:

TEMPORARY RESTRICTED AREA ESTABLISHED WITHIN AREA BOUNDED BY STRAIGHT LINES JOINING SUCCESSIVELY: 514433N0020502W -514733N0014405W-515006N0012925W -515006N0012925W-514737N0012537W-514834N0011958W-514445N0011816W -5136N00128W-5135N00146W-513530N0020341W
LOWER LIMIT: SFC
UPPER LIMIT: FL085
ACTIVATION: 12AUG23 1200 – 1600
CONDITIONS OF USE: RESERVED AND DESIGNATED FOR EXCLUSIVE USE BY PARTICIPANTS OF “FAIRFORD AIRSHOW” SPECIAL OPERATIONS EVENT ONLY, NO OTHER AIR TRAFFIC SHALL ENTER RESTRICTED AREA

Temporary Reserved airspace:





Charts

The following resources are available:

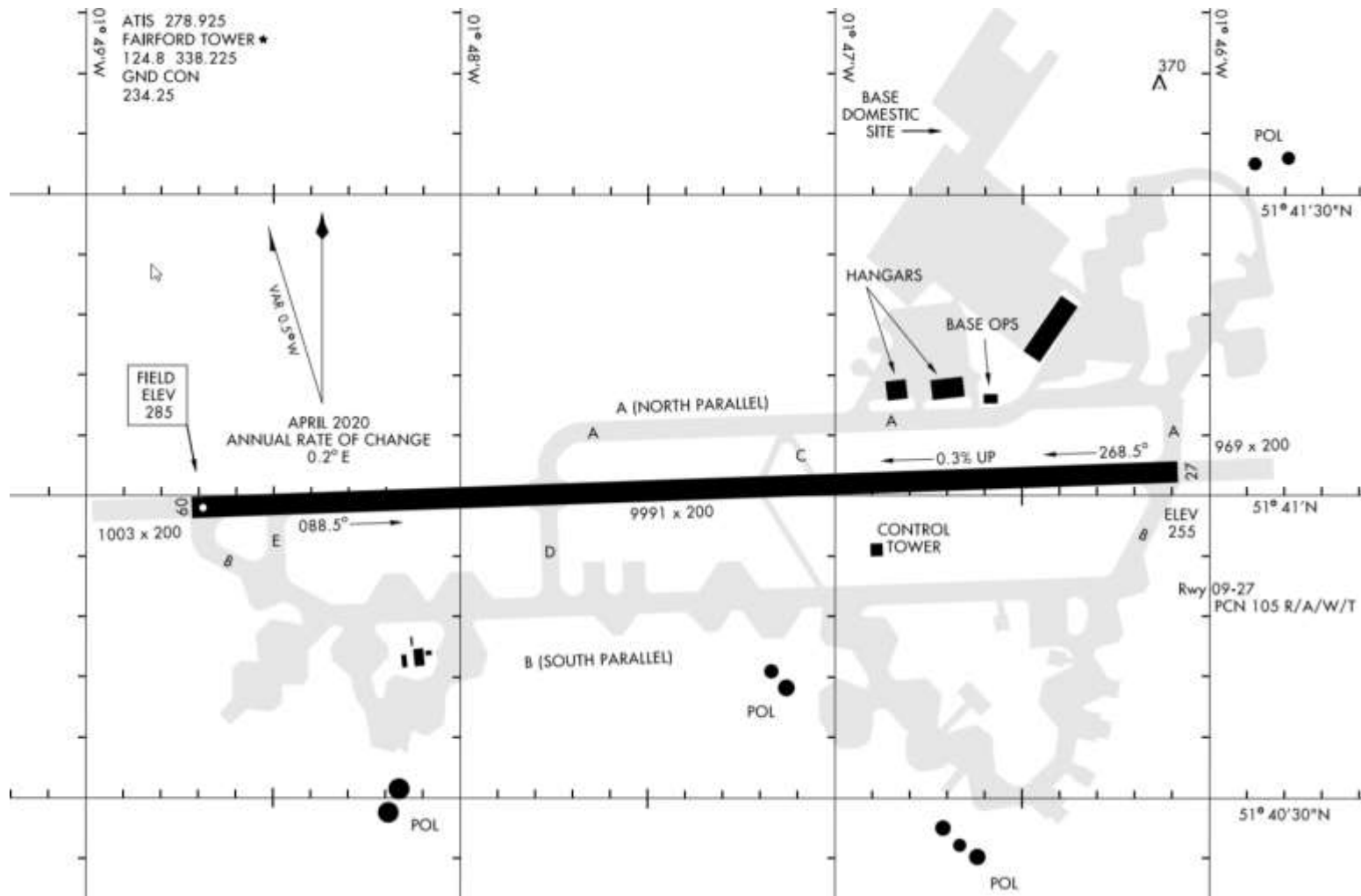
RESOURCE	LINK
Military AIP (United Kingdom)	https://www.aidu.mod.uk/aip/
Civil AIP (United Kingdom)	https://nats-uk.ead-it.com/cms-nats/opencms/en/Publications/AIP/
Charts for RAF Fairford	https://www.airfieldresearchgroup.org.uk/community/116562=10778-20030612%20Fairford.pdf
Letter of Agreement (IVAO XU)	https://sod.ivao.aero/up/order/b1e0633bc4145febc89844619e9d15b8.PDF

RAF Fairford Display Line and Coloured Parking Zones:





RAF Fairford Ground Chart:





TACAN Routing:

The following chart shows the routing available from the edge of Airspace in the United Kingdom.



TACAN Documentation - <https://www.aidu.mod.uk/aip/pdf/enr/ENR-4-1.pdf>



Navigational Aids

The following local navigational aids are available:

NAME	ID	TYPE	FREQ	DISTANCE	BEARING (From EGVA)
FAIRFORD	FFA	TACAN	112.6	N/A	N/A
BRIZE NORTON	BZN	TACAN	111.9	8NM	065 °
COMPTON	CPT	VOR/DME	114.35	24NM	121 °

Flight Planning

Pilots operating IFR at high altitudes are advised to use the TACAN routing, completing their route at the BZN (Brize Norton) TACAN above FL050.

Pilots operating VFR are to use FFA TACAN as their last waypoint for navigation.

Airfield Info

The following runways will be in use:

RUNWAY	LENGTH	ILS	CIRCUIT	HEIGHT
09	3045m	111.100/091°	LEFT Hand	1000ft QFE
27	3045M	109.000/271°	Right Hand	

Positions/Frequency's

The following frequencies will be in use:

POSITION	CALLSIGN	FREQUENCY
EGVV_CTR	Swanwick Military (South)	127.450
EGVN_APP	Brize Approach	127.250
EGVA_TWR	Fairford Tower	124.800



Scenery

While scenery will not be enforced for this Event, the available scenery is outdated but still usable:

PLATFORM	LINK
FSX, FSX:SE, P3Dv1-5	https://flyawaysimulation.com/downloads/files/7800/fsx-raf-fairford-2009-scenery/
X Plane 11	https://forums.x-plane.org/index.php?/files/file/17049-raf-fairford-dkm/ (Library issue present but no issue noticed and static aircraft can be removed)
MSFS 2020	https://flightsim.to/file/706/egva-raf-fairford-uk

Email/Forum/Discord

Leading up to this Event, you can contact the Special Operations Department of IVAO United Kingdom and Ireland using the following means:

PURPOSE	MEANS	NOTES
Email	xu-specialops@ivao.aero	
Forum	http://xu.forum.ivao.aero	
Discord	https://xu.ivao.aero/discord	IVAO XU Members only.
	https://sod.ivao.aero/discord	IVAO HQ-SOD Discord, Look for 'XU-SOC or XU-SOAC'