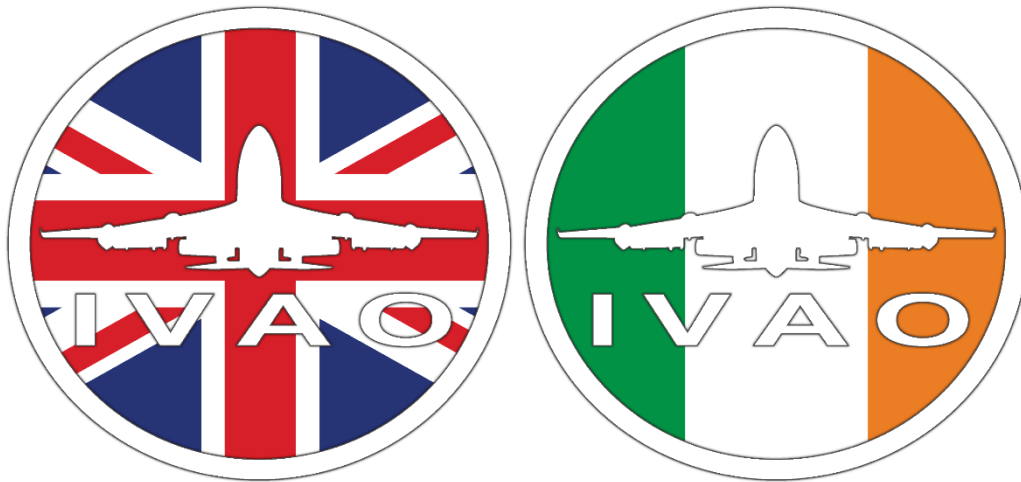


# Tucano Farewell

IVAO XU SPECIAL OPERATIONS DEPARTMENT



## XU SO - Tucano Farewell

November 2nd 15z-18z



# 1 GENERAL

## 1.1 OVERVIEW

1.1.1 This year sees the Royal Air Force retire their Shorts Tucano T1, from service. The shorts Tucano entered service in June 1988 and was used to provide basic fast jet training for Royal Air force and Royal Navy pilots, teaching them the fundamental skills they will require to become fighter pilots. The current home of the Shorts Tucano is North Yorkshire at RAF Linton-on-Ouse with 72 (R) squadron. However, with the introduction of the United Kingdoms, Military Flying Training System, the Tucano T1 will be replaced by the T-6 Texan II, which also sees the training moving to RAF Valley to be alongside the advance fast jet training on the Hawk T2.

Therefore, the United Kingdom and Ireland's Special operations Department would like to invite you to bring you military training aircraft RAF Linton-on-Ouse to say farewell to this beloved aircraft and to display their capabilities in the air.

1.1.2 Under IVAO Special Operations Regulations this is a **Category D** event.

## 1.2 OBJECTIVES

1.2.1 To safely Display aircraft at RAF Linton-on-Ouse.

## 1.3 DATE AND TIME

1.3.1 **Date:** Saturday 2<sup>nd</sup> November 2019

1.3.2 **Time:** 1500z – 1800z

## 1.4 Verbal Briefing

1.4.1 Attendance **IS NOT MANDATORY** at the briefing.

1.4.2 A verbal Briefing will take place at 1500z

Place – IVAO Special Operations Department Discord

Room- so\_event\_1\_voice

## 1.5 DEFINITIONS

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

TERM	EXPLANATION
<b>GAT</b>	General Air Traffic (e.g. Filed IFR or VFR under S, N or G)
<b>OAT</b>	Operational Air Traffic (e.g. Filed IFR or VFR under M)
<b>TACAN</b>	Tactical Air Navigation System
<b>RAF</b>	Royal Air Force
<b>XU</b>	IVA0 United Kingdom and Ireland Division

## 2 PILOTS

### 2.1 GUIDELINES

- 2.1.1 Aircraft that are to be displayed must be or have been used for military pilot training.
- 2.1.2 General aviation will not be allowed to operate at Linton-on-Ouse for the duration of the event.
- 2.1.3 Pilots **MUST** register before the event if they wish to perform an air display.
- 2.1.4 Due to the designation of this event, all aircraft **MUST NOT** carry live weapons.
- 2.1.5 It is recommended that aircraft arriving from another country **should** operate as GAT until reaching UK airspace.
- 2.1.6 Pilots that wish to fly in to watch the display can fly any military aircraft and must be on the ground before 15 minutes of the start of the event.
- 2.1.7 Pilots that do not display will not receive SO points.

## 2.2 ARRIVAL

- 2.2.1 Pilots wanting to fly in for the event must arrive within 15 minutes of the event beginning if they intend to be on the ground.
- 2.2.2 Pilots are reminded that all airspace above FL195 in the United Kingdom is Class C airspace and must obtain clearance before entering this airspace.

## 2.3 DISPLAYING

- 2.3.1 Displays may be solo or formation displays. Formation's wishing to display must register as such.
- 2.3.2 Pilots may start their displays Either from the Runway or Airborne.
- 2.3.3 Pilots that wish to be airborne for the start of their display will be able to take-off between the display's but must be airborne in good time before their display slot.
- 2.3.4 Pilots **MUST** stay within the display box for their full display once entering.
- 2.3.5 Pilots **MUST** report to the controller their display is complete before exiting the display box.
- 2.3.6 Pilots **MUST** only cross the display line when in straight level flight to either start and/or end their display if they wish.
- 2.3.7 Displays **MUST** not last longer than 10 minutes.
- 2.3.8 Pilots will be assigned a display slot, but these may be delayed on the day.

## 3 CONTROLLERS

### 3.1 GUIDELINES

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

### 3.1 POSITIONS

- 3.1.1 The following positions will be available during the event:

POSITION	CALLSIGN	FREQUENCY
EGVV_MIL_CTR	Swanick Military	127.450
EGXU_APP	Linton Approach	118.550
EGXU_TWR	Linton Tower	129.350
EGXU_GND	Linton Ground	122.100

## 4 ASSISTANCE

### 4.1 WIKIPEDIA

- 4.1.1 IVAO United Kingdom and Ireland offer a Wikipedia style information site which can be used for nearly all the information required to fly and control for the event. The following areas are available:
- 4.1.2 **Air Traffic Controller (Generic)** - [http://ivao.co.uk/cms/wiki\\_atc.php](http://ivao.co.uk/cms/wiki_atc.php)
- 4.1.3 **Pilot (Generic)** - [http://ivao.co.uk/cms/wiki\\_pilots.php](http://ivao.co.uk/cms/wiki_pilots.php)
- 4.1.4 **Special Operations Phraseology** - <http://ivao.co.uk/wiki/index.php/Phraseology>

### 4.2 EMAIL/FORUM/DISCORD

- 4.2.1 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	<a href="mailto:xu-soc@ivao.aero">xu-soc@ivao.aero</a>	
Forum	<a href="http://xu.forum.ivao.aero">http://xu.forum.ivao.aero</a>	
Discord	<a href="http://ivao.co.uk/discord">http://ivao.co.uk/discord</a>	IVAO XU Members only.
	<a href="https://discord.gg/WpXaym3">https://discord.gg/WpXaym3</a>	IVAO HQ-SOD Discord, Look for 'XU-SOC'

## 5 Display Information

### 5.1 TEMPORARY RESTRICTED AIRSPACE

#### 5.1.1 NOTAM

TEMPORARY RESTRICTED AREA ESTABLISHED WITHIN AREA BOUNDED BY STRAIGHT LINES JOINING SUCCESSIVELY: 535714N0011802W 540749N0010700W

541157N0011902W 540115N0012930W

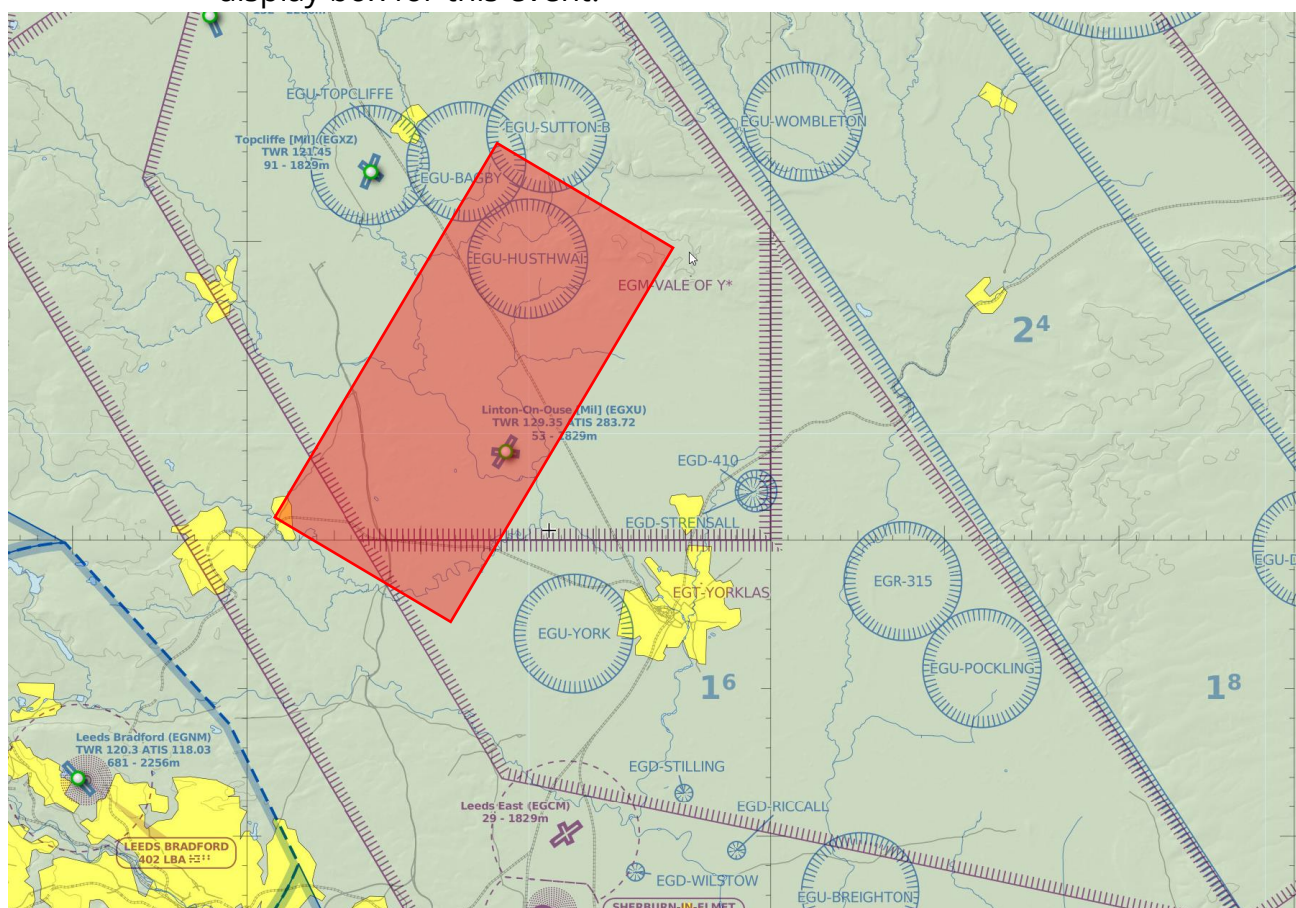
LOWER LIMIT: SFC

UPPER LIMIT: FL085

ACTIVATION: 03NOV19 1400 – 2200

CONDITIONS OF USE: RESERVED AND DESIGNATED FOR EXCLUSIVE USE BY PARTICIPANTS OF “TUCANO FARWELL” SPECIAL OPERATIONS EVENT ONLY, NO OTHER AIR TRAFFIC SHALL ENTER RESTRICTED AREA

5.1.2 Temporary restricted airspace (TRA) will be established for use as the display box for this event.



5.1.3 The TRA is under the authority of Linton Tower controller (or controller responsible for the Tower duties).



## 5.2 Display Line

- 5.2.1 The display line runs parallel to the runway 3 meters from the tarmacs southern edge, running to the airfield boundary.
- 5.2.2 The display line can be crossed only to start and/or finish the display.
- 5.2.3 For this event, the crowd area will be the area south of the display line, bounded by the airfield perimeter.

## 5.3 Display organisation

- 5.3.1 All participants will be given a display slot after their registration.
- 5.3.2 Due to the logistics involved, display slots may be brought forward or delayed with notice.
- 5.3.3 Aircraft will only be able to depart/ arrive after every other display if required.
- 5.3.4 A pause of no more than 10 minutes between displays will be used for aircraft movements.
- 5.3.5 List of participants will be posted and updated on the SOHQ forum.
- 5.3.6 Display aircraft will remain on Tower frequency for their display.

Time Slot	Callsign('s)	VID	Aircraft('s)	Start/End (G/A)
1510z - 1520z				
1520z- 1530z				
Break-in displays				
1540z- 1550z				
1550z- 1600z				



## 5.4 Aircraft Display Minima

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

## 6 AIRFIELD AND CHARTS

### 6.1 CHARTS

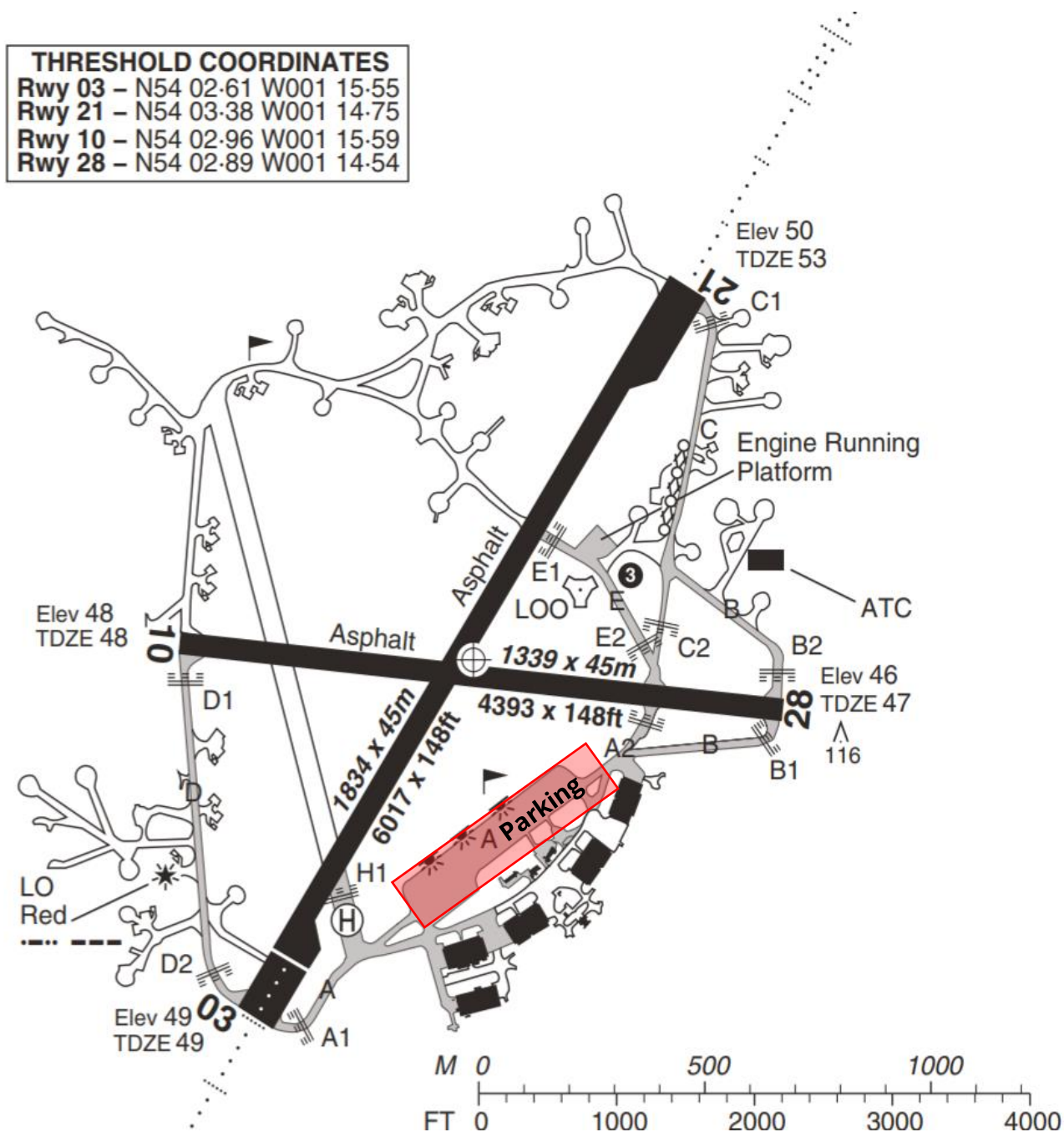
6.1.1 The following resources are available:

RESOURCE	LINK
<b>Military AIP (United Kingdom)</b>	<a href="https://www.aidu.mod.uk/aip/pdf/ad/EGYM-Marham-Combined.pdf">https://www.aidu.mod.uk/aip/pdf/ad/EGYM-Marham-Combined.pdf</a>
<b>Civil AIP (United Kingdom)</b>	<a href="http://www.nats-uk.ead-it.com/public/index.php.html">http://www.nats-uk.ead-it.com/public/index.php.html</a>
<b>Charts for RAF Linton-on-Ouse</b>	<a href="https://www.aidu.mod.uk/aip/pdf/ad/EGXU-Linton-on-ouse-Combined.pdf">https://www.aidu.mod.uk/aip/pdf/ad/EGXU-Linton-on-ouse-Combined.pdf</a>
<b>Letter of Agreement (IVAO XU)</b>	<a href="https://sod.ivaoo.aero/up/loa/afe9327094ba567c3f27b2cd874208a7.PDF">https://sod.ivaoo.aero/up/loa/afe9327094ba567c3f27b2cd874208a7.PDF</a>

6.1.2 **RAF Linton-on-Ouse Ground Layout.** The following resource is a map of the Ground Layout for RAF Linton-on-Ouse:

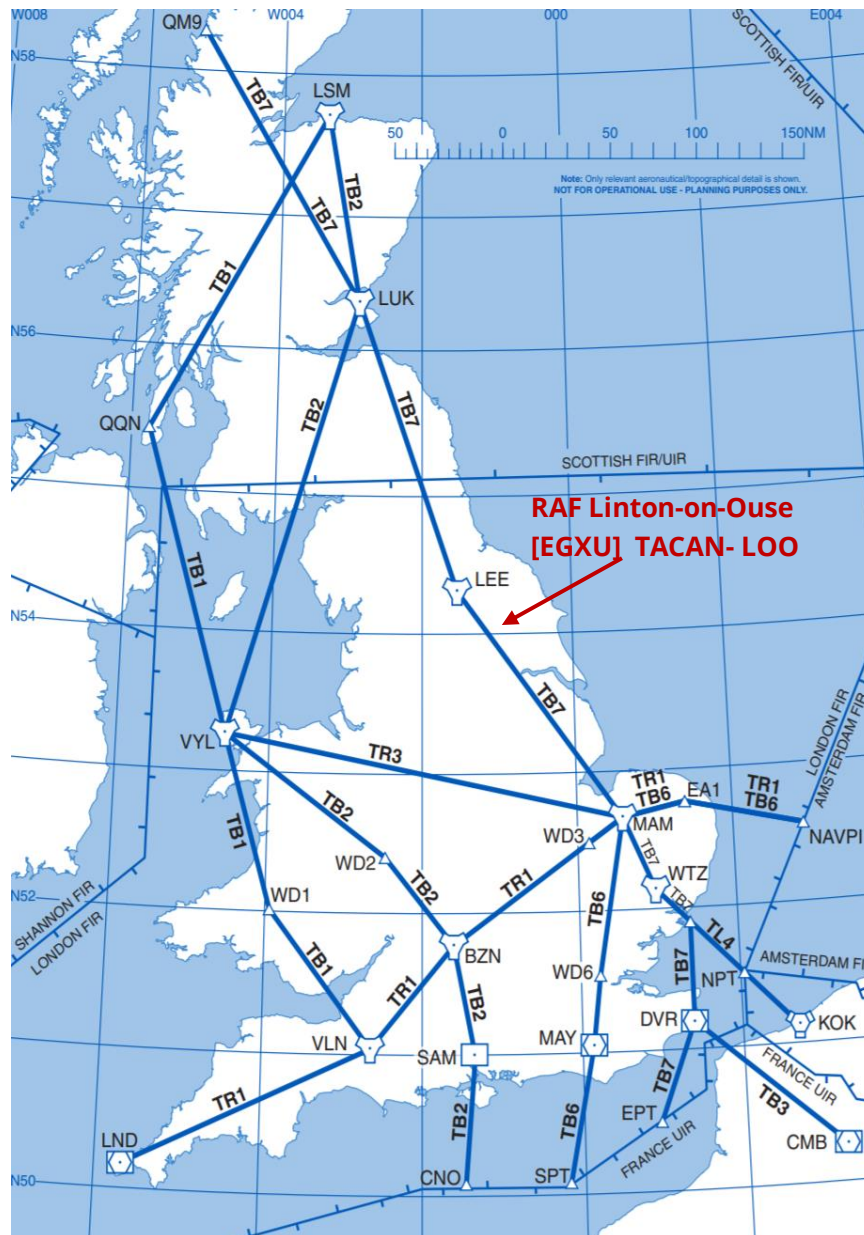


6.1.1 **RAF Linton-on-Ouse Ground Chart.** The following resource is a map of the taxiways for RAF Linton-on-Ouse:





6.1.2 **TACAN Routing.** The following chart shows the routing available from the edge of airspace in the United Kingdom.



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

6.1.3 **Navigational Aids.** The following local navigational aids are available:

NAME	ID	TYPE	FREQ	DISTANCE	BEARING (From EGXU)
LINTON-ON-OUSE	LOO	TACAN	109.000	N/A	N/A
LEEMING	LEE	TACAN	112.6	18NM	327 °
OTTRINGHAM	OTR	VOR/DME	113.900	46NM	118 °
POLEHILL	POL	VOR/DME	112.100	35NM	240 °

## 6.2 Flight Planning.

6.2.1 Pilots operating IFR at high altitude are advised to use the TACAN routing completing their route at the LOO TACAN above at FL050.

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

## 6.3 AIRFIELD INFO

6.3.1 The following runways will be in use:

RUNWAY	LENGTH	ILS	CIRCUIT	HEIGHT
03	1834m	109.000/033 °	Right Hand	<b>1000ft QFE</b> Run-in and Break 1000ft QFE
21	1834m	109.000/033 °	Right Hand	
10	1339m	N/A	Right Hand	
28	1339m	N/A	Right Hand	

## 6.4 FREQUENCY'S

6.4.1 The following frequencies will be in use:

POSITION	CALLSIGN	FREQUENCY
EGVV_MIL_CTR	Swanick Military	127.450
EGXU_APP	Linton Approach	118.550
EGXU_TWR	Linton Tower	129.350
EGXU_GND	Linton Ground	122.100

## 6.5 SCENERY

6.5.1 While scenery will not be enforced for this event, it is significantly advised you use the following scenery to enhance your experience:

PLATFORM	LINK
FS9	<a href="https://militaryaiworks.com/download-hangar/file-library/download/61-united-kingdom/110-royal-air-force-linton-on-ouse">https://militaryaiworks.com/download-hangar/file-library/download/61-united-kingdom/110-royal-air-force-linton-on-ouse</a>
FSX, FSX:SE, P3Dv1-4	<a href="https://flyawaysimulation.com/downloads/files/9225/fsx-raf-linton-on-ouse-scenery/">https://flyawaysimulation.com/downloads/files/9225/fsx-raf-linton-on-ouse-scenery/</a>
X Plane 11	<a href="https://gateway.x-plane.com/scenery/page/EGXU">https://gateway.x-plane.com/scenery/page/EGXU</a> (Default is great quality)