Safety and Airspace Regulation Group Date i Date of Original Date of Original   2022-04-0171 1.0 01/04/2022 23/03/2022 Difference:   NAVAID COMMISSIONING CALIBRATION LAKENHEATH TACAN NOS   Subject to NOTAM: No Date of Original 0000   Date(s) of activity/Validity: Times (ALL TIMES UTC) 0000   10 <sup>th</sup> April 2022 08:00 – 17:00 Vertical Limits: Allocated Mode 3A (SSR):   1,000th AGL – FL80 0024 Aircraft Details: Type:   1,000th AGL – FL80 0024 Aircraft Operators in Section 2   Zevent Sponsor(s): Aircraft Operator(s): Federal Aviation Administration   RAPCON Subject to the conditions in Section 2 Event Sponsor(s):   RAPCON Federal Aviation Administration 6500 S. MacAnthur Bivd   Valahoma City Ves – Subject to the conditions in Section 2   Performation Support Squadron RAF   RAF Lakenheath 01638 523760 This aircraft is designated STATE   Vittering 01780 334949 Norwich 01702 538420   Normich 01762 538420 01702 538420 Ves Fareofical Limits:	AIRSPACE CO-ORDINATION NOTICE				
ACN Reference: Version: Date: Date of Original   2022-04-0171 1.0 01/04/2022 23/03/2022   NAVAID COMMISSIONING CALIBRATION LAKENHEATH TACAN   NDS   Subject to NOTAM: No   Date(s) of activity/Validity: Times (ALL TIMES UTC) O   10 <sup>th</sup> April 2022 08:00 - 17:00 Vertical Limits: Allocated Mode 3A (SSR):   1,000th AGL - FL60 0024 Aircraft Details: NDS Approved:   Type: CL600 2024 Store of the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s): Federal Aviation Administration 65:00 S. MacArthur Blvd   Nited Kingdom 01638 523760 Federal Aviation Administration 65:00 S. MacArthur Blvd Oklahoma 73169   11 (405) 954-9780 This aircraft is designated STATE Aircraft Operator(s): This aircraft is designated STATE   Atrist Differences: Geographical Limits: Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760 01702 538420 Stanford O1702 538420   Marham 01700 334949 O1700 01702 538420 Stanford O1234 744658   Mittering <td< th=""><th></th><th colspan="4"></th></td<>					
2022-04-0171 1.0 01/04/2022 23/03/2022 Authority   NAVAID COMMISSIONING CALIBRATION LAKENHEATH TACAN   NDS   Subject to NOTAM: No   Date(s) of activity/Validity: Times (ALL TIMES UTC)   10 <sup>th</sup> April 2022 - 15 <sup>th</sup> April 2022 08:00 - 17:00 Vertical Limits: Allocated Mode 3A (SSR):   1,000t AGL - FL80 0024 Aircraft Details: NDS Approved:   Type: CL600 0024 Aircraft Operator(s):   RAPCON "FlightCheck" Yes - Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s): Federal Aviation Administration   RAPCON Bito Operations Support Squadron RAF Lakenheath 01638 523760   United Kingdom 01638 523760 This aircraft is designated STATE   Ats Operations Geographical Limits: Imits:   Lakenheath 01638 523760 This aircraft is designated STATE   Marham 01780 333449 Norkicherd Station   Norkicherd 01780 343949 Norkicherd Otopa 34494   Norkicherd 01780 347050 Intraft Date 117050 Intraft			Date of Original		
LAKENHEATH TACAN   NDS   Subject to NOTAM: No   Date(s) of activity/Validity:   10 <sup>th</sup> April 2022 – 15 <sup>th</sup> April 2022 08:00 – 17:00   Vertical Limits: Allocated Mode 3A (SSR):   1,000t AGL – FL60 0024   Altraft Details: NDS Approved:   Type: CL600   Callsign: FLC:x   "FlightCheck" Yes – Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron   RAF Lakenheath 01638 523760   United Kingdom 01638 523760   Controlling Agencies: Geographical Limits:   Lakenheath 01633 523760   Marham 01760 334949   Norvich 01603 420641   Southend 01702 538420   Swarwick LTC – SWA 02380 401110   Wittering 01702 538420   Norvich 01702 538420   Swarwick LTC – SWA 02380 401110   Wittering 01724 744658   EG D208 Cardington 01234 744658   EG	2022-04-0171 1.0	01/04/2022	00/00/0000		
LAKENHEATH TACAN   NDS   Subject to NOTAM: No   Date(s) of activity/Validity:   10 <sup>th</sup> April 2022 – 15 <sup>th</sup> April 2022 08:00 – 17:00   Vertical Limits: Allocated Mode 3A (SSR):   1,000t AGL – FL60 0024   Altraft Details: NDS Approved:   Type: CL600   Callsign: FLC:x   "FlightCheck" Yes – Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron   RAF Lakenheath 01638 523760   United Kingdom 01638 523760   Controlling Agencies: Geographical Limits:   Lakenheath 01633 523760   Marham 01760 334949   Norvich 01603 420641   Southend 01702 538420   Swarwick LTC – SWA 02380 401110   Wittering 01702 538420   Norvich 01702 538420   Swarwick LTC – SWA 02380 401110   Wittering 01724 744658   EG D208 Cardington 01234 744658   EG	NAVAI	D COMMISSIC	NING CALIBRATION		
NDDS     Subject to NOTAM: No     Date(s) of activity/Validity:     10" April 2022 - 15" April 2022   08:00 - 17:00     Vertical Limits:   Allocated Mode 3A (SSR):     1,000t AGL - FL60   0024     Aircraft Details:   NDS Approved:     Type:   CL600     Callsign:   FLC.xx "FlightCheck"     Event Sponsor(s):   Aircraft Operator(s):     RAPCON   4kth Operations Support Squadron     RAF Lakenheath   01638 523760     O1638 523760   Federal Aviation Administration     ATS Units/   Geographical Limits:     Lakenheath   01638 523760     Martnam   01702 538420     Narian   01702 538420     Martnam   01702 538420     Narian   01702 538420     Martnam   01702 538420					
Subject to NOTAM: No   Date(s) of activity/Validity:   10th April 2022 - 15th April 2022 08:00 - 17:00   Vertical Limits: Allocated Mode 3A (SSR):   1,000f AGL - FL60 0024   Aircraft Details: NDS Approved:   Type: CL600   Calisign: FLC.xx: "FlightCheck"   Ves - Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron RAF Lakenheath   United Kingdom 01638 523760   O1638 523760 Geographical Limits:   ATS Units/ Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 01702 5384200   Wittering 01702 5384200   Nowich 01603 3420641   Southend 01702 5384200   Info: EG D207 Cambridge, Coningeby, Honington, Watisham,   Airspace Reservations: 01234 744658   EG D208 Cardington 01234 744658					
Date(s) of activity/Validity:   Times (ALL TIMES UTC)     10 <sup>th</sup> April 2022 – 15 <sup>th</sup> April 2022   08:00 – 17:00     Vertical Limits:   Allocated Mode 3A (SSR):     1,000ft AGL – FL60   0024     Aircraft Details:   NDS Approved:     Type:   CL600     Callsign:   FLCxx     FLCxx   "FlightCheck"     Event Sponsor(s):   Aircraft Operator(s):     RAPCON   48th Operations Support Squadron     RAF Lakenheath   01638 523760     United Kingdom   +1 (405) 954-9780     Ol638 523760   This aircraft is designated STATE     ATS Units/   Geographical Limits:     Controlling Agencies:   Geographical Limits:     Lakenheath   01638 523760     Marham   01760 334949     Norwich   01603 420641     Southend   01702 538420     Swanwick LTC – SWA   02380 401110     Infe: EG D207, Cambridge, Coningsby, Hanington, Wattisham,   Vattisham,     Airspace Reservations:   01234 744658     EG D208   Stanford   01234 744658	Subject to NOTAM: No		5		
10th April 2022 – 15th April 2022 08:00 – 17:00   Vertical Limits:   1,000t AGL – FL60 0024   Allocated Mode 3A (SSR):   1,000t AGL – FL60 0024   Aircraft Details:   Type: CL600   Callsign: FLCxx   "FlightCheck" Yes – Subject to the conditions in Section 2   Event Sponsor(s):   RAPCON Aircraft Operator(s):   RAPCON 48th Operations Support Squadron   RAF Lakenheath 01638 523760   United Kingdom 01638 523760   Offs8 523760 This aircraft is designated STATE   ATS Units/ Geographical Limits:   Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Norwich 01638 523760   Marham 01763 334949   Norwich 01638 523760   Marham 01702 538420   Swanwick LTC – SWA 02380 401110   Wittering 01702 538420   Swanwick LTC – SWA 02380 401100   Infe: EG D207, Cambridge, Coningsby, Honington, Watisham,   Airspace Re			Times (ALL TIMES UTC)		
Vertical Limits: Allocated Mode 3A (SSR):   1,000ft AGL – FL60 0024   Aircraft Details: NDS Approved:   Type: CL600   Callsign: FLCxx   'FlightCheck'' Yes – Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON Federal Aviation Administration   48th Operations Support Squadron Federal Aviation Administration   RAF Lakenheath OH638 523760   01638 523760 This aircraft is designated STATE   ATS Units/ Geographical Limits:   Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 017603 43949   Norwich 01638 420641   Swanwick LTC – SWA 02380 401110   Vittering 01702 538420   Info: EG D207, Cambridge, Coningsby, Honington, Wattisham, This startord   Airspace Reservations: 01234 744658   EG D208 Cardington 01234 744658		22			
Aircraft Details: NDS Approved:   Type: CL600   Callsign: FLC.xx   "FlightCheck" Yes – Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron   RAF Lakenheath 6500 S. MacArthur Blvd   United Kingdom Vitaloma City   01638 523760 Federal Aviation Administration   ATS Units/ Geographical Limits:   Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 01780 334949   Norwich 01603 420641   Swanwick LTC – SWA 02380 401110   Wittering 01780 417050   Info: EG D207, Cambridge, Coningsby, Honington, Wattisham, Airspace Reservations:   EG D208 Cardington 01234 744658   EG D208 Cardington 01234 744658					
Type: Callsign: CL600 FLCxx "FlightCheck" Yes – Subject to the conditions in Section 2   Event Sponsor(s): Aircraft Operator(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron RAF Lakenheath United Kingdom 01638 523760 Federal Aviation Administration 6500 S. MacArthur Blvd Oklahoma 73169 +1 (405) 954-9780   01638 523760 This aircraft is designated STATE   ATS Units/ Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 01760 334949 Norwich   Notwich 01603 420641 01702 538420   Southend Southend 01720 334200 10720 2380 401110 01780 417050   Info: EG D207, Cambridge, Coningsby, Honington, Wattisham,   Airspace Reservations:   EG D206 Cardington 01234 744658 01842 855167	1,000ft <mark>AGL</mark> – FL60				
Callsign: FLC.xx "FlightCheck" Yes – Subject to the Conditions in Section 2   Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron   RAF Lakenheath 6500 S. MacArthur Blvd   United Kingdom Visiona City   01638 523760 Federal Aviation Administration   ATS Units/ Geographical Limits:   Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 01760 334949   Norwich 01603 420641   Southend 01702 538420   Swanwick LTC – SWA 02380 401110   Wittering 01780 417050   Info: EG D207. Cambridge. Conlingsby. Honlington, Wattisham, Airspace Reservations:   EG D206 Cardington 01234 744658   EG D208 Stanford 01234 744658   Other State 01842 855167			NDS Approved:		
Event Sponsor(s): Aircraft Operator(s):   RAPCON 48th Operations Support Squadron Federal Aviation Administration   RAF Lakenheath 6500 S. MacArthur Blvd Oklahoma City   United Kingdom Oklahoma City Oklahoma 73169   1638 523760 +1 (405) 954-9780 This aircraft is designated STATE   ATS Units/ Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760 Geographical Limits:   Norwich 01638 523760 Geographical Limits:   Lakenheath 01638 523760 Ol700 334949   Norwich 01702 538420 Swanwick LTC – SWA 02380 401110   Wittering 01780 417050 Infra 417050 Infra 417050   Infra EG D206 Cardington 01234 744658 Ol424 7556		"FlightCheck"	Yes – Subject to the conditions in Section 2		
RAPCON Federal Aviation Administration   48th Operations Support Squadron Federal Aviation Administration   RAF Lakenheath 6500 S. MacArthur Blvd   United Kingdom Vikiahoma 73169   01638 523760 This aircraft is designated STATE   ATS Units/ Controlling Agencies: Geographical Limits:   Lakenheath 01638 523760   Marham 01760 334949   Norwich 01603 420641   Swanwick LTC – SWA 02380 401110   Wittering 01780 417050   Into: EG D207, Cambridge, Coningsby, Honington, Wattisham, Matham,   EG D206 Cardington 01234 744658   EG D208 Stanford 01234 744658		Tightoneck	Aircraft Operator(s):		
Controlling Agencies:Geographical Limits:Lakenheath01638 523760Marham01760 334949Norwich01603 420641Southend01702 538420Swanwick LTC – SWA02380 401110Wittering01780 417050Info: EG D207, Cambridge, Coningsby, Honington, Wattisham,Airspace Reservations:EG D206CardingtonO1234 744658EG D208Stanford01234 74465801842 855167	48th Operations Support Squadron RAF Lakenheath United Kingdom		6500 S. MacArthur Blvd Oklahoma City Oklahoma 73169 +1 (405) 954-9780		
Lakenheath   01638 523760     Marham   01760 334949     Norwich   01603 420641     Southend   01702 538420     Swanwick LTC – SWA   02380 401110     Wittering   01780 417050     Info: EG D207, Cambridge, Coningsby, Honington, Wattisham,     Airspace Reservations:     EG D206   Cardington     01234 744658     EG D208   Stanford			Geographical Limits:		
EG D206   Cardington   01234 744658     EG D208   Stanford   01842 855167	Lakenheath   01638 523760     Marham   01760 334949     Norwich   01603 420641     Southend   01702 538420     Swanwick LTC – SWA   02380 401110     Wittering   01780 417050				
EG D208 Stanford 01842 855167	Airspace Reservations:				
	EG D208 Stanford	01842 855167			
Departure/Destination Aerodrome(s) ACN Issued by:	Departure/Destination Aerodrome(s)		ACN Issued by:		
EGUL AS3	EGUL		AS3		

### 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 <u>http://www.nats-uk.ead-it.com</u>

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: <u>AROps@caa.co.uk</u> Tel: 01293 983880

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

15. This document details the profiled required to conduct the commissioning calibration of the new RAF Lakenheath Tactical Air Navigation (TACAN) system. The calibration is broken into three elements: the orbit, radials and the approach segments.

16. **Dates.** The notified date for this check is Monday 11<sup>th</sup> April 2022 however, to allow for delays, the ACN is valid for the whole week.

17. **Notification.** The sponsor is to notify the agencies listed on page one of this ACN at least 24 hours prior to undertaking the task. In addition, the pilot is to contact the appropriate agencies at least 2 hours prior to departure to confirm final details and availability of an ATS.

18. **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. Whilst no FPL is required to be filed for this activity, ATS units are to be aware that the flight is designated as STATE<sup>1</sup> and would be exempt from any ATC Flow Control Measures.

19. **Air Traffic Service (ATS) Provision – 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.

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

. . . . . . . . .

a.	Marham	124.150 MHz
b.	Norwich	119.355 MHz
c.	Southend	130.780 MHz
d.	Wittering	119.675 MHz

. . .

21. 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.

22. **Coordination with Adjacent Units.** RAPCON are responsible for coordinating with all external agencies. In addition to the major aerodromes, whilst conducting the 40nm orbit, in order to increase situational awareness for all operators, the pilot is strongly encouraged to make 2-way contact with aerodromes that are within 3nm of the track. This includes:

- a. Bedford 119.030 MHz
- b. Old Warden 130.705 MHz

23. **EG R217 (Sizewell).** In accordance with <u>The Air Navigation (Restriction of Flying) (Nuclear Installations) Regulations 2016</u> – Statutory Instrument No.1003/2016, access to the restricted airspace of Sizewell, for civil registered aircraft, is subject to a separate specific approval from the CAA. Military Aircraft and foreign aircraft with STATE status are exempt from this restriction, but are required to inform the installation manager (01728 653720) of the intended flight profile **and shall refrain from flying directly overhead the reactor buildings.** 

24. **Danger Areas (DAs).** Access to any DA is subject to site 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.

<sup>&</sup>lt;sup>1</sup> UK AIP GEN 1.9 (12.5.2)

25. **Serials.** The aircraft is required to conduct the profiles listed below, however further serials may need to be requested ad-hoc, subject to the results. Most activity will take place within 20nm of Lakenheath, however some elements may extend to 40nm.

26. **40nm Orbit.** The aircraft is required to conduct a minimum of one anti-clockwise orbit between 1000ft and 2,000ft **AGL** maintaining 230kts. In order to reduce the impact to Luton and Stansted, the aircraft is requested to start just to the north of Luton, in anticipation of a gap in traffic. The aircraft may be required to hold briefly, under the control of Luton Radar, in order to best fit in into both airfields sequences.

27. Whilst the operator has requested for flight AGL and in reference to the pressure at Lakenheath, whilst inside CAS, the aircraft may be required to operate in reference to an altitude on the appropriate  $QNH - \underline{the pilot is responsible for making the necessary conversion}$  and informing ATC of the requirement.

28. Should any element of the orbit fail, the aircraft will require to break off and conduct a radial from the TACAN out towards 40nm, starting at 1,000ft AMSL, then increasing by 100ft each time until they reach the reading required. Flights within Class A CAS are unlikely to be approved unless traffic permits.

<u>Serial</u>	Hgt/Alt/FL <sup>2, 3</sup>	<u>Range</u>	Profile	<u>Remarks</u>
1	6,000ft	10nm	Anti-clockwise Orbit	TX1 See Charts 2 & 3
2	6,000ft	10nm	Anti-clockwise Orbit	TX2 See Chart 2 & 3
3	1,000ft – 2,000ft AGL	40nm	Anti-clockwise Orbit	<b>See Paras 27 - 29</b> See Charts 4 & 5
4	6,000ft	5nm – 15nm	Alignment Radial – 234°	TX1 See Charts 6 & 7
5	6,000ft	5nm – 15nm	Alignment Radial – 234°	TX2 See Charts 6 & 7

#### **GENERIC**

### TACAN (HI/LO) – RWY24

<u>Serial</u>	Hgt/Alt/FL	<u>Range</u>	Profile	<u>Remarks</u>
6	As Per Procedure	40nm - THLD	HI/LO TACAN RWY24	TX1 See Chart 8
7	As Per Procedure	8nm - 2nm	RWY24 – Centreline	TX1 See Charts 9 & 10
8	As Per Procedure	8nm - 2nm	RWY24 – 5° Left of CL	TX1 See Charts 9 & 10
9	As Per Procedure	8nm - 2nm	RWY24 – 5° Right of CL	TX1 See Charts 9 & 10
10	As Per Procedure	40nm - THLD	HI/LO TACAN RWY24	TX2 See Chart 8
11	As Per Procedure	8nm - 2nm	RWY24 – Centreline	TX2 See Charts 9 & 10
12	As Per Procedure	8nm - 2nm	RWY24 – 5° Left of CL	TX2 See Charts 9 & 10
13	As Per Procedure	8nm - 2nm	RWY24 – 5° Right of CL	TX2 See Charts 9 & 10

# TACAN (HI/LO) – RWY06

<sup>&</sup>lt;sup>2</sup> Altitudes are in reference to the Lakenheath QNH – Elevation 32ft.

<sup>&</sup>lt;sup>3</sup> Transition Altitude is 3,000ft, except within the lateral boundary of the London TMA, where it is 6,000ft.

<u>Serial</u>	Hgt/Alt/FL	<u>Range</u>	Profile	<u>Remarks</u>
14	As Per Procedure	22nm - THLD	HI/LO TACAN RWY06	TX1 See Chart 11
15	As Per Procedure	8.9nm - 2.9nm	RWY06 – Centreline	TX1 See Charts 12 & 13
16	As Per Procedure	8.9nm - 2.9nm	RWY06 – 5° Left of CL	TX1 See Charts 12 & 13
17	As Per Procedure	8.9nm - 2.9nm	RWY06 – 5° Right of CL	TX1 See Charts 12 & 13
18	As Per Procedure	22nm - THLD	HI/LO TACAN RWY06	TX2 See Chart 11
19	As Required	13nm ARC	287º to 238º	TX2 See Charts 14 & 15
20	As Per Procedure	8.9nm - 2.9nm	RWY06 – Centreline	TX2 See Charts 12 & 13
21	As Per Procedure	8.9nm - 2.9nm	RWY06 – 5° Left of CL	TX2 See Charts 12 & 13
22	As Per Procedure	8.9nm - 2.9nm	RWY06 – 5° Right of CL	TX2 See Charts 12 & 13

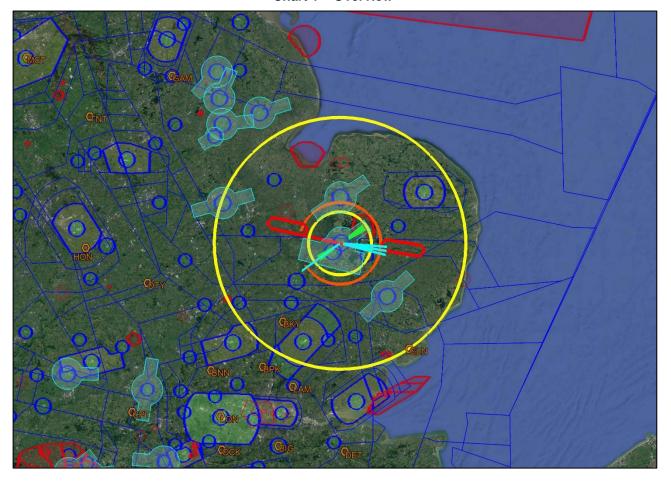
# TACAN A – RWY24

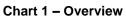
23	As Required	15nm - 1nm	Radial Inbound 099°	TX1 See Charts 16, 17 & 18
24	As Required	15nm - 1nm	Radial Inbound 094°	TX1 See Charts 19 & 20
25	As Required	15nm - 1nm	Radial Inbound 104°	TX1 See Charts 19 & 20
26	As Required	15nm - 1nm	Radial Inbound 099°	TX2 See Charts 16, 17 & 18
27	As Required	15nm - 1nm	Radial Inbound 094°	TX2 See Charts 19 & 20
28	As Required	15nm - 1nm	Radial Inbound 104°	TX2 See Charts 19 & 20
29	2,000ft AGL	15nm - 25nm	Eastern Hold 099º	2 x Turn Ins See Charts 21 & 22
30	3,000ft AGL	13nm - 22nm	Western Hold 282°	2 x Turn Ins See Chart 21 & 22

## **SECTION 3**

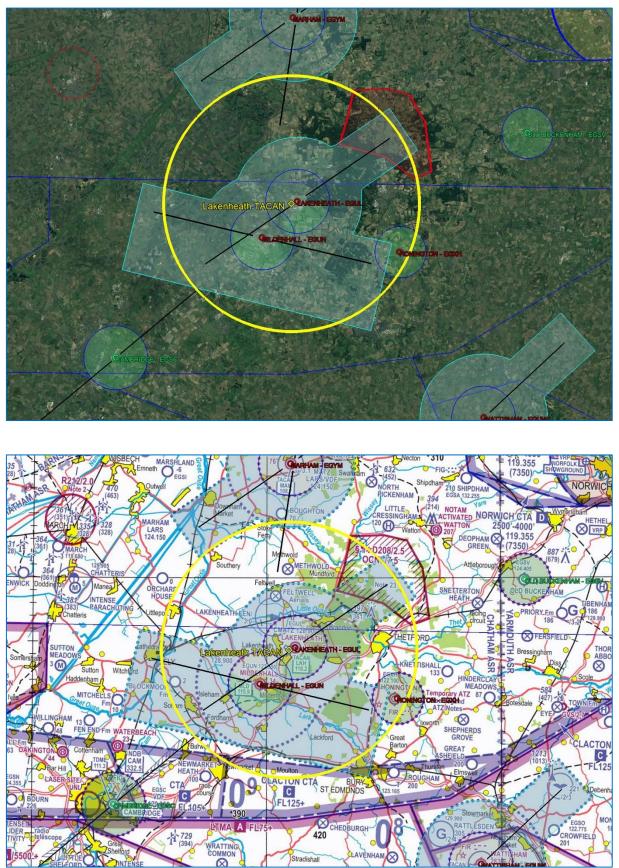
# Area of Operation

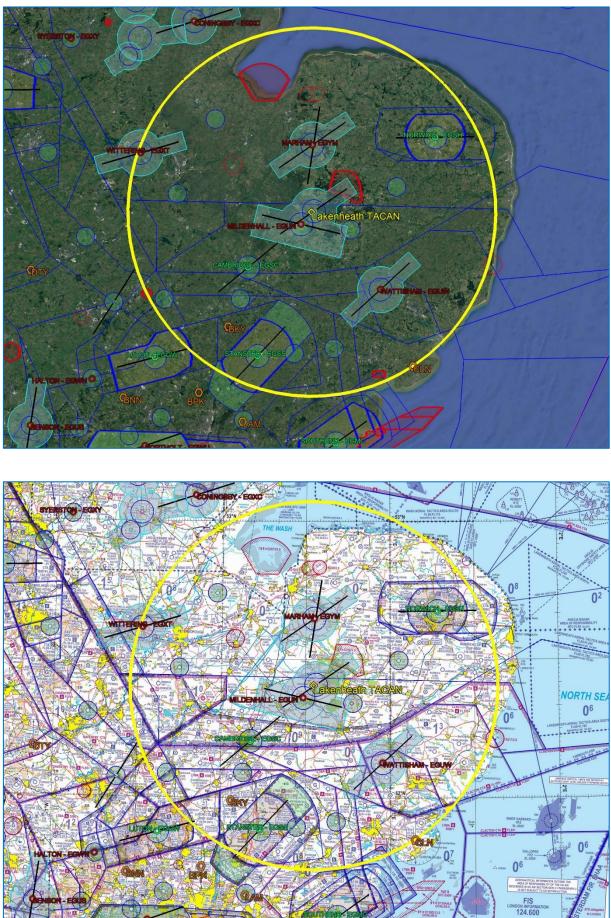
29. Charts highlighting the area of operation are shown below. These are for illustrative purposes only and not for operational planning.





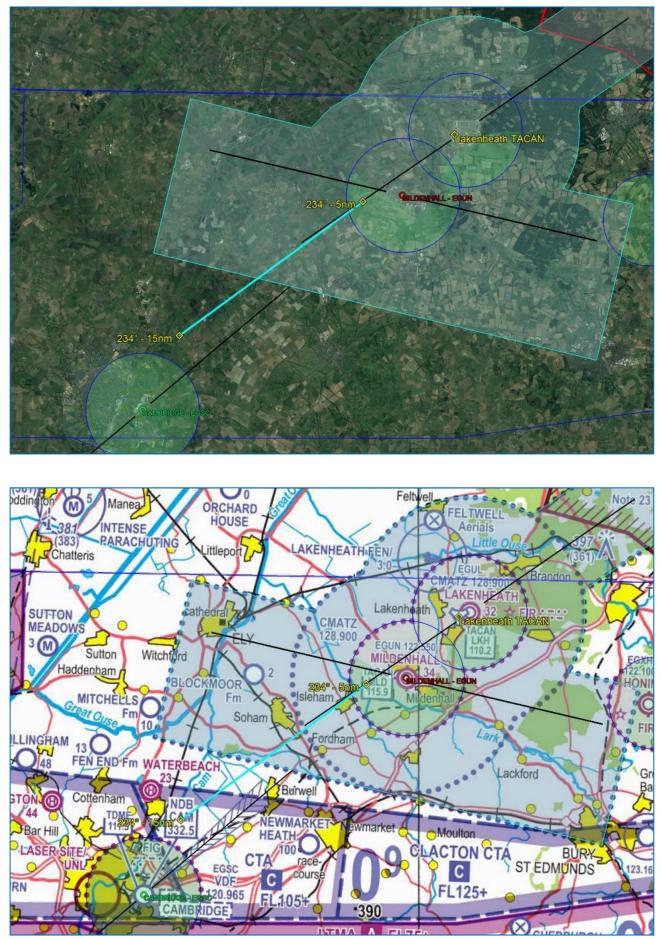
Charts 2 & 3 – Serials 1 & 2 10nm Orbit - 6,000ft

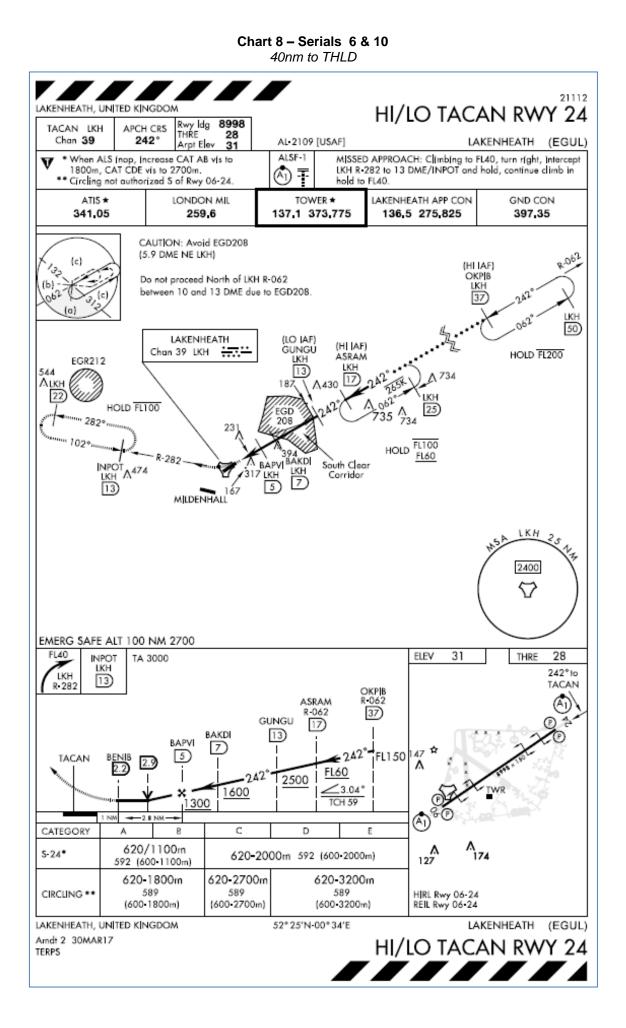




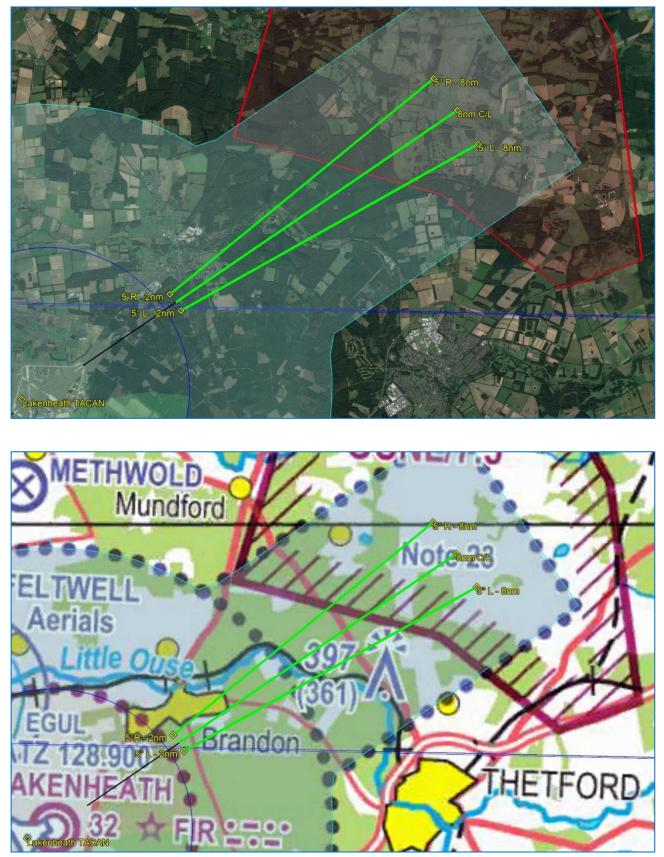
Charts 4 & 5 – Serial 3 40nm Orbit - 1,000ft to 2,000ft AGL (UL QFE or QNH – See Para 28)

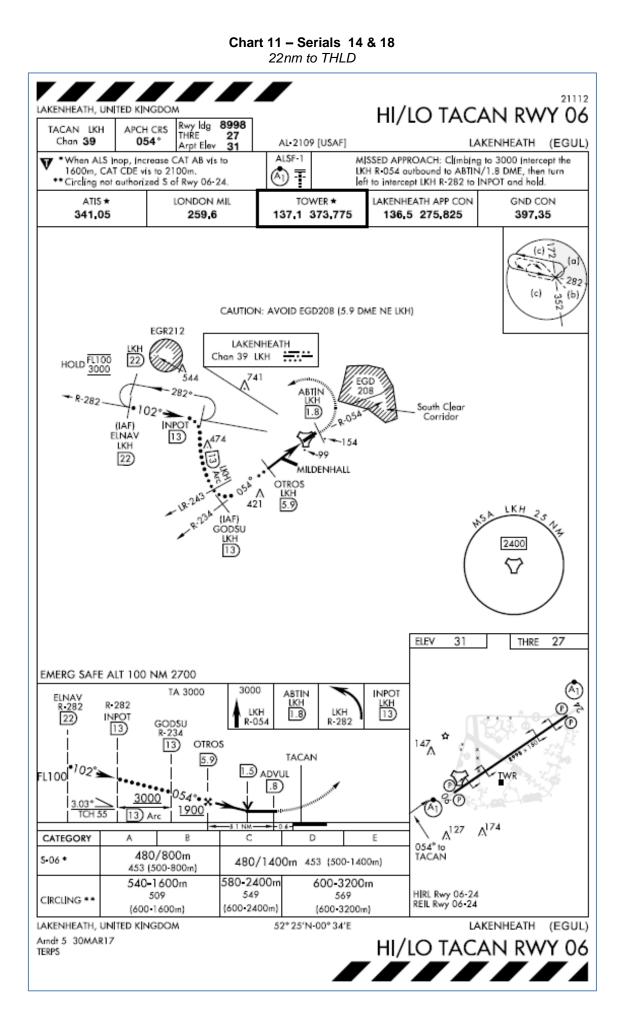
Charts 6 & 7 – Serials 4 & 5 5nm to 15nm Alignment Radial - 6,000ft



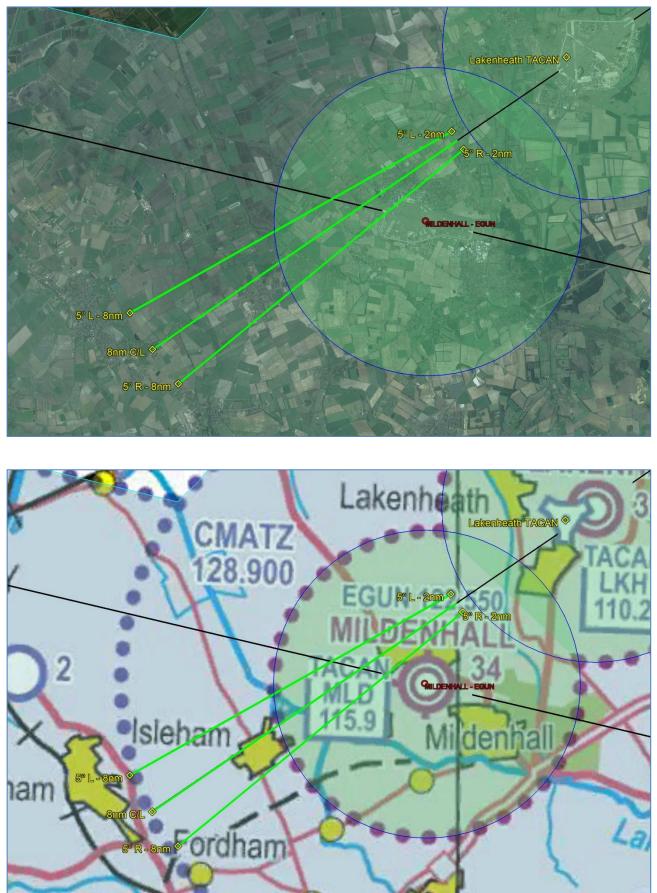


Charts 9 & 10 – Serials 7-9 & 11-13 8nm to 2nm RWY24 Centreline & 5° Either Side of Track

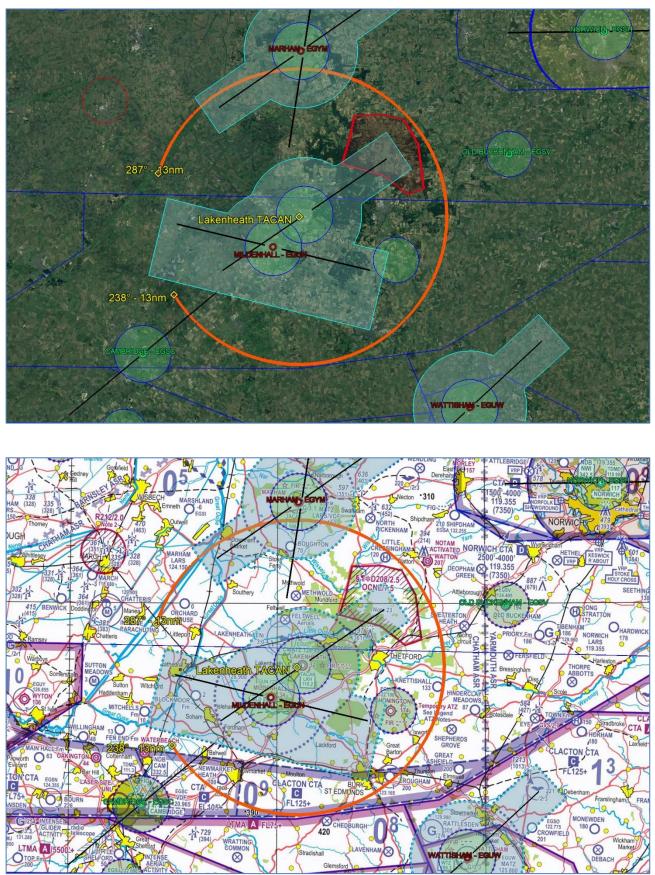


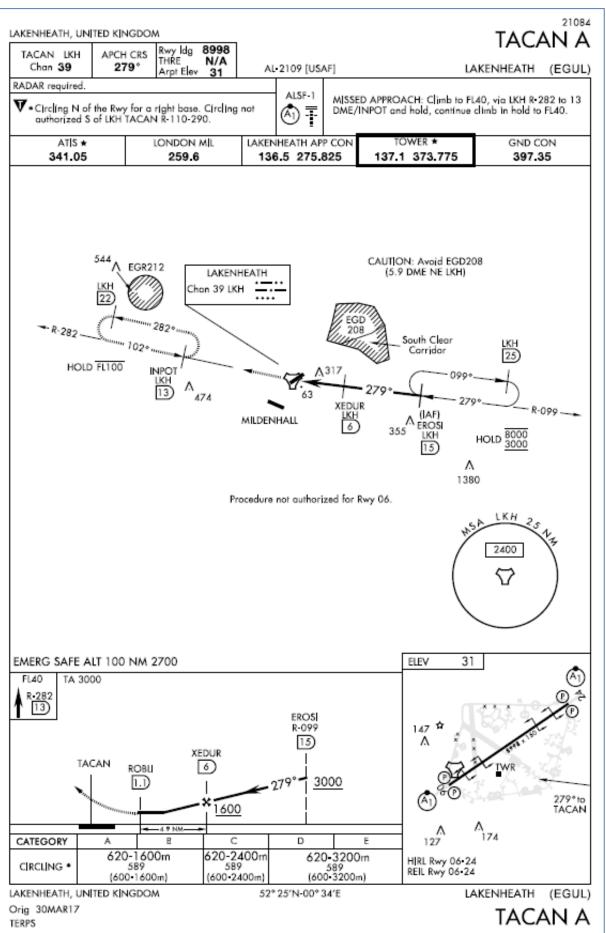


Charts 12 & 13 – Serials 15-17 & 20-23 8.9nm to 2.9nm RWY06 Centreline & 5° Either Side of Track

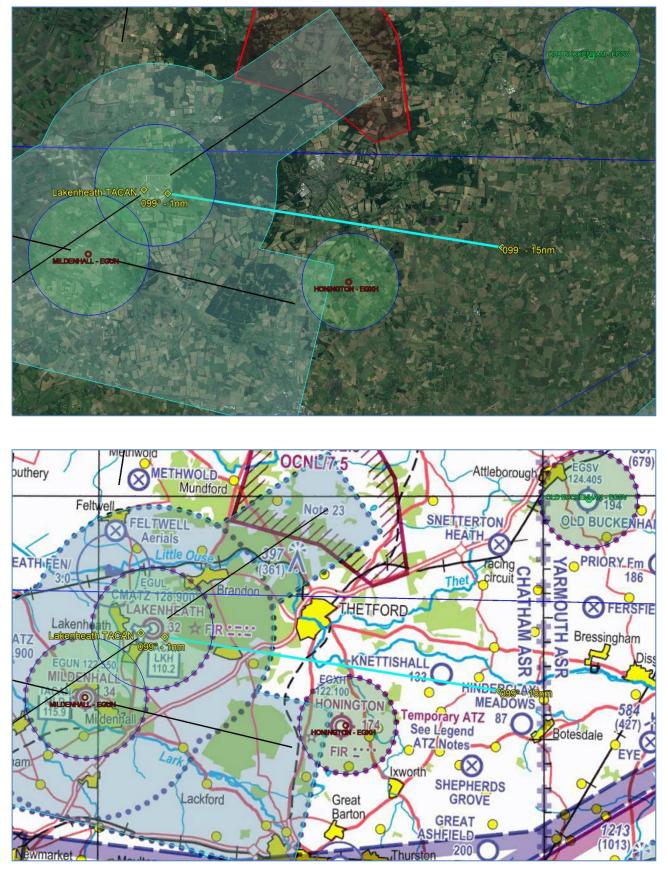


Charts 14 & 15 – Serial 19 13nm Arc – 287° to 238°

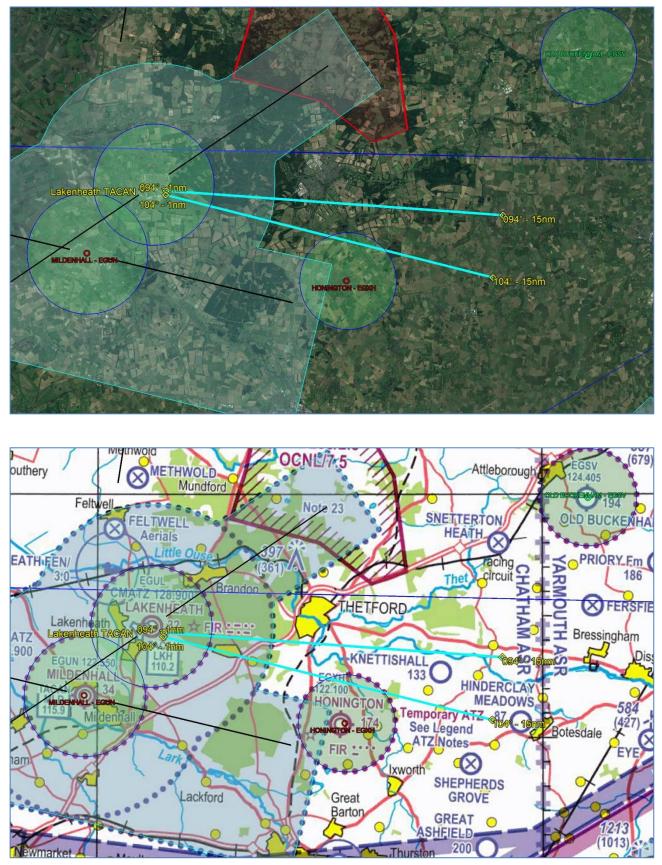




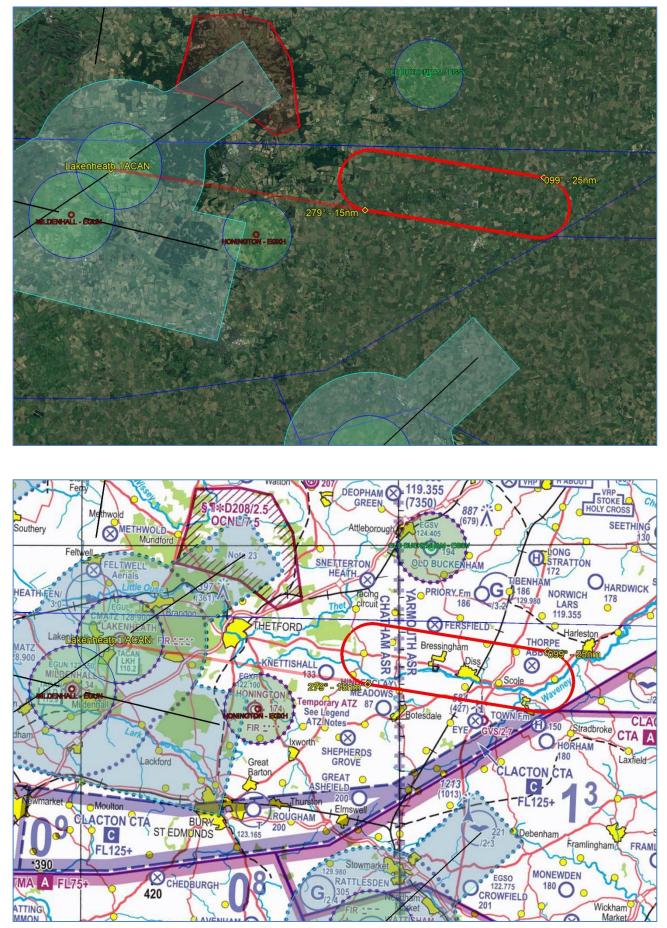
#### Chart 16 – TACAN A



Charts 19 & 20 – Serials 24, 25, 27 & 28 15nm to 1nm – Inbound Radial 5° Either Side of Track



Charts 21 & 22 – Serial 29 15nm to 10nm Hold – Western Side of Lakenheath @ 2,000ft AGL



Charts 23 & 24 – Serial 30 13nm to 22nm Hold – Western Side of Lakenheath @ 3,000ft AGL

