

iVirtual Royal Air Force



**Letter of Agreement between Vatsim Spain (VATSPA) and virtual Royal Air Force (vRAF) to
establish operating policies and procedures for the Tactical Leadership Programme
Exercise**

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Purpose

This Letter of Agreement between Vatsim Spain (VATSPA) and virtual Royal Air Force (vRAF) to establish operating policies and procedures for the Tactical Leadership Programme Exercise

Establishes

Provision for usage of Albacete Airbase and Special Use Airspace within the Spanish FIR during Tactical Leadership Programme

Introduction

The Tactical Leadership Programme is a NATO run training exercise with the following objectives :

- To improve the tactical leadership skills and flying capability of front line fighter mission commanders.
- To improve the tactical interoperability of NATO Air Forces through exposure to other Air Forces tactics and capabilities.
- To provide a flying laboratory for tactical employment concepts.

This LOA has been developed to establish procedures for these exercises.

Cancellation

This LOA will remain in effect until replaced by a revision that has been mutually agreed upon by both parties, or until it is cancelled by either party, with a minimum of thirty (30) days notice provided.

Distribution

- vRAF Staff
- vRAF Pilots
- VATSPA Staff
- VATSPA Spanish FIR Controllers
- VP VSOA – For Reference

Policies

Neither party can dictate or strike to change either parties policies and guidelines set forth within their charters. Additions, modifications and deletions to this LOA shall be done per mutual agreement by both VATSPA and the vRAF.

Contacts

The primary contacts relating to this LOA are:

- vRAF – Deputy Commander In Chief (Operations) [Operational Contact]– dcinc_ops@vraf.org
- vRAF – Air Officer Commanding [Document Signatory] – aoc@vraf.org
- VATSPA – Spanish FIR Operations Manger [Signatory & Operational Contact] - operaciones@vatspa.net

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Provision for usage of Albacete Airbase and Special Use Airspace within the Spanish FIR

In accordance with applicable VATSIM and VATSIM Special Operations Administration policies, this document establishes procedures for the use of the below listed Aerodromes and annotated Special Use Airspace (SUA) between Spanish vACC, herein "The Controlling Agency", and the virtual Royal Air Force (vRAF), herein "The Using Agency":

- Albacete Air Base (LEAB)
- TERUEL LOW AREA
Lateral limits:
400000N 0012300W;
401900N 0020600W;
402500N 0020000W;
404616N 0004707W;
404621N 0000657W;
401351N 0001952W;
401351N 0005559W;
400006N 0010037W;
400000N 0012300W.
Vertical limits: FL100 / 2000 ft AGL.
- LED 104
Lateral limits: delimited in AIP-ESPAÑA. Vertical limits: delimited in AIP-ESPAÑA.
- ISLAS COLUMBRETES AREA
Lateral limits: delimited in AIP-ESPAÑA for LED 21A.
Vertical limits: FL460 / 2000 ft AGL-AMSL.
- LED 26
Lateral limits: delimited in AIP-ESPAÑA.
Vertical limits: delimited in AIP-ESPAÑA.
- LA MANCHA AREA
Lateral limits: delimited in AIP-ESPAÑA for LED 98. Except LED-35A/B.
Vertical limits: FL460 / 2000 ft AGL.
- ALARCÓN AREA
Lateral limits: delimited in AIP-ESPAÑA for LED 131.
Vertical limits: FL460 / GND.
- LED 131
Lateral limits: delimited in AIP-ESPAÑA.
Vertical limits: delimited in AIP-ESPAÑA.
- LED 132
Lateral limits: delimited in AIP-ESPAÑA.
Vertical limits: delimited in AIP-ESPAÑA.
MURCIA LOW AREA
Lateral limits:
 - a) 385100N 0012100W;
 - b) 380700N 0005200W;
 - c) 373833N 0012123W;
 - d) 371823N 0012208W;

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- e) 371234N 0011156W;
- f) 371941N 0003942W from this point an arc of 28 NM centred on VOR/DME VSJ up to
- g) 372821N 0002332W;
- h) 365100N 0002400W;
- i) 365100N 0015000W;
- j) 370700N 0021000W;
- k) 370700N 023200W;
- l) 372800N 0032100W;
- m) 381800N 0021600W;
- n) 385100N 0012100W.

Vertical limits: FL090 / 2000 ft AGL-AMSL.

- 97A LOW AREA
Lateral limits: delimited in AIP-ESPAÑA for LED 97A.
Vertical limits: FL250 / FL100.

- MURCIA HIGH AREA
Lateral limits:
 - a. 372230N 0030802W;
 - b. 380858N 0020718W;
 - c. 384037N 0011408W;
 - d. 380700N 0005200W;
 - e. 380700N 0002800W;
 - f. 380300N 0002300W;
 - g. 365100N 0002400W;
 - h. 365100N 0015000W;
 - i. 370700N 0021000W;
 - j. 370700N 0023200W;
 - k. 372230N 0030802W.Vertical limits: FL390 / FL260.

- 97A HIGH AREA
Lateral limits: delimited in AIP-ESPAÑA for LED 97A.
Vertical limits: FL460 / FL400.

- BAZA LOW AREA
Lateral limits:
 - a) 385100N 0012100W;
 - b) 384027N 0011417W;
 - c) 370700N 0021830W;
 - d) 370700N 0023200W;
 - e) 372800N 0032100W;
 - f) 381800N 0021600W;
 - g) 385100N 0012100W.Vertical limits: FL250 / 2000 ft AGL.

- BAZA MÉDIUM AREA
Lateral limits:
 - a) 372230N 0030802W;
 - b) 380858N 0020718W;
 - c) 384037N 0011408W;
 - d) 384027N 0011417W;
 - e) 370700N 0021830W;
 - f) 370700N 0023200W;

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- g) 372230N 0030802W.
Vertical limits: FL390 / FL260.

- BAZA HIGH AREA
Lateral limits:
 - a) 385100N 0012100W;
 - b) 384027N 0011417W;
 - c) 370700N 0021830W;
 - d) 370700N 0023200W;
 - e) 372800N 0032100W;
 - f) 381800N 0021600W;
 - g) 385100N 0012100W.Vertical limits: FL460 / FL400.

- MEDITERRÁNEO AREA
Lateral limits:
 - a) 365100N 0002400W;
 - b) 365100N 0015000W;
 - c) 363040N 0015615W;
 - d) 362245N 0011520W;
 - e) 364435N 0002435W;
 - f) 365100N 0002400W.Vertical limits: FL460 / 2000 ft AMSL.

- BAILÉN AREA
Lateral limits:
 - a) 380559N 0032943W;
 - b) 373862N 0032786W;
 - c) 373732N 0035923W;
 - d) 380434N 0040109W;
 - e) 380559N 0032943W.Vertical limits: FL100 / AGL.

- TA-01S LOW
Lateral limits:
 - a) 380002N 0023937W;
 - b) 380742N 0024908W;
 - c) 381816N 0023500W;
 - d) 381039N 0022541W;
 - e) 380002N 0023937W.Vertical limits: FL140 / 2000 ft AGL.

- TA-01C LOW
Lateral limits:
 - a) 383753N 0020510W;
 - b) 382935N 0015650W;
 - c) 381800N 0021600W;
 - d) 381039N 0022541W;
 - e) 381816N 0023500W;
 - f) 382500N 0022600W;
 - g) 383753N 0020510W.Vertical limits: FL140 / 2000 ft AGL.

- TA-01N LOW
Lateral limits:
 - a) 383753N 0020510W;
 - b) 384706N 0015008W;
 - c) 383838N 0014141W;
 - d) 382935N 0015650W;
 - e) 383753N 0020510W.Vertical limits: FL140 / 2000 ft AGL.

- TA-01 MEDIUM
Lateral limits:
 - a) 383753N 0020510W;
 - b) 382935N 0015650W;
 - c) 381800N 0021600W;
 - d) 381039N 0022541W;
 - e) 381816N 0023500W;
 - f) 382500N 0022600W;
 - g) 383753N 0020510W.Vertical limits: FL200 / FL190.

- TA-01S HIGH
Lateral limits:
 - a) 380002N 0023937W;
 - b) 380742N 0024908W;
 - c) 381816N 0023500W;
 - d) 381039N 0022541W;
 - e) 380002N 0023937W.Vertical limits: FL460 / FL410.

- TA-01C HIGH
Lateral limits:
 - a) 383753N 0020510W;
 - b) 382935N 0015650W;
 - c) 381800N 0021600W;
 - d) 381039N 0022541W;
 - e) 381816N 0023500W;
 - f) 382500N 0022600W;
 - g) 383753N 0020510W.Vertical limits: FL460 / FL410.

- TA-01N HIGH
Lateral limits:
 - a) 383753N 0020510W;
 - b) 384706N 0015008W;
 - c) 383838N 0014141W;
 - d) 382935N 0015650W;
 - e) 383753N 0020510W.Vertical limits: FL460 / FL410.

- TA-02S LOW
Lateral limits:
 - a) 372315N 0000622E;
 - b) 372315N 0002428W;

- c) 365100N 0002400W;
- d) 365524N 0000605E;
- e) 372315N 0000622E.

Vertical limits: FL260 / 2000 ft AMSL.

- TA-02N LOW

Lateral limits:

- a) 375215N 0002312W;
- b) 375215N 0000633E;
- c) 372315N 0000622E;
- d) 372315N 0002428W;
- e) 375215N 0002312W.

Vertical limits: FL260 / 2000 ft AMSL.

- TA-02S HIGH

Lateral limits:

- a) 372315N 0000622E;
- b) 372315N 0002428W;
- c) 365100N 0002400W;
- d) 365524N 0000605E;
- e) 372315N 0000622E.

Vertical limits: FL460 / FL430.

- TA-02N HIGH

Lateral limits:

- a. 375215N 0002312W;
- b. 375215N 0000633E;
- c. 372315N 0000622E;
- d. 372315N 0002428W;
- e. 375215N 0002312W.

Vertical limits: FL460 / FL430.

- TA-03A LOW

Lateral limits:

- a) 401448N 0015618W;
- b) 400000N 0012300W;
- c) 395956N 0012207W;
- d) 394849N 0012924W;
- e) 400000N 0015500W;
- f) 400000N 0020726W;
- g) 401448N 0015618W.

Vertical limits: FL120 / 2000 ft AGL.

- TA-03A MEDIUM

Lateral limits:

- a) 401448N 0015618W;
- b) 400000N 0012300W;
- c) 395956N 0012207W;
- d) 394849N 0012924W;
- e) 400000N 0015500W;
- f) 400000N 0020726W;
- g) 401448N 0015618W.

Vertical limits: FL280 / FL270.

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- TA-03A HIGH
Lateral limits:
 - a) 401448N 0015618W;
 - b) 400000N 0012300W;
 - c) 395956N 0012207W;
 - d) 394849N 0012924W;
 - e) 400000N 0015500W;
 - f) 400000N 0020726W;
 - g) 401448N 0015618W.Vertical limits: FL460 / FL410.

- TA-03B LOW
Lateral limits:
 - a) 401448N 0015618W;
 - b) 400000N 0012300W;
 - c) 394350N 0013248W;
 - d) 395324N 0021226W;
 - e) 401448N 0015618W.Vertical limits: FL120 / 2000 ft AGL.

- TA-03B MEDIUM
Lateral limits:
 - a) 401448N 0015618W;
 - b) 400000N 0012300W;
 - c) 394350N 0013248W;
 - d) 395324N 0021226W;
 - e) 401448N 0015618W.Vertical limits: FL280 / FL270.

- TA-03B HIGH
Lateral limits:
 - a) 401448N 0015618W;
 - b) 400000N 0012300W;
 - c) 394350N 0013248W;
 - d) 395324N 0021226W;
 - e) 401448N 0015618W.Vertical limits: FL460 / FL410.

- TC 02
Lateral limits: 02 NM either side of a line joining the following coordinates:
 - a) 402200N 0001700W,
 - b) 400800N 0004000EVertical limits: FL250.

- TC 03
Lateral limits: 02 NM either side of a line joining the following coordinates:
 - a) 382787N 0010551W;
 - b) 375935N 0001042E.Vertical limits: FL260 / FL250

1. The controlling agency is the owner of the referenced SUA and controlling authority for the listed aerodromes
2. The controlling authority shall grant temporary unrestricted use, within standard Network, Regional and Divisional policy, of the referenced SUA to the using agency for the purposes of conducting tactical military flight operations
3. The using agency will reserve use of the SUA by requesting activation of the LOA controlling agency of intended dates and times of usage. This notification will be made to operaciones@vatspa.net a minimum of 7 days before the intended use of the SUA. Reasonable objections from the Agency must be received within 72 hours.
4. During the dates and times when the airspace is in use by the using agency and when military aircraft are present, ATC will issue clearances to divert civilian IFR traffic clear of the active SUA, unless the flight has been co-ordinated with the Controlling AWACs/Exercise Commander, if this is the case the aircraft will be cleared to cross the SUA and restrictions may be placed on any ongoing military activity within the SUA until the crossing traffic is clear.
5. Aircraft operating within the SUA are considered under MARSAs rules at any time within the SUA. ATC will not provide IFR services to military aircraft operating under MARSAs procedures.
6. No Fast Jet aircraft belonging to the using agency will be permitted to enter any Controlled Airspace without prior permission from the controller responsible for that airspace, or, if a controller is not online, prior announcement on UNICOM.
7. Crews conducting flights within the SUA will maintain radio communication with an appropriate controlling agency and/or AWACs. Where possible any AWACs Controller/Exercise Referee will identify themselves to the appropriate controlling agency and act as a point of contact for exercise traffic using the SUA
8. Flight plans of crews participating in the exercise will contain the remark/TLPXXXX-Y (where XXXX is the year and Y is the Evolution number).



London, 25 October 2010
Alec Walker
Air Commanding Officer
Virtual Royal Air Force
aoc@vraf.org

25 October 2010

VATSIM Spain/VATSIM Europe
Contingent signed via Email.
Available on Request

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Appendix 1: Map of Areas

